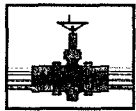


AP - 54

ANNUAL MONITORING REPORT

YEAR(S):

2005



PLAINS
ALL AMERICAN

March 20, 2006

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

Re: Plains All American – Annual Monitoring Report
One Site in Lea County, New Mexico

Dear Mr. Martin:

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

Hobbs Junction Mainline Section 26, Township 18 South, Range 37 East, Lea County

EPI prepared this document and has vouched for the accuracy and completeness. On behalf of Plains All American, I have personally reviewed the document and interviewed EPI in order to verify the accuracy and completeness of the document. It is based upon this inquiry and review that Plains All American submits the enclosed Annual Monitoring Report for the above-referenced facility.

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

Sincerely,

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosure

2006 MAR 27 PM 2:21



*Entire Report
is on the
L-Drive*

2005 ANNUAL MONITORING REPORT

Hobbs Junction Mainline
Ref. # 2003-00017
(Company #231735)

UL-M of Section 26, R37E, T18S
Latitude 32°42'40.85"N and Longitude 103°13'42.01"W
Elevation ~3,372'amsl

3 miles west of Hobbs, Lea County, New Mexico

February 2006

Prepared by

Environmental Plus, Inc.
2100 West Avenue O
P.O. Box 1558
Eunice, New Mexico 88231
Tele 505•394•3481 FAX 505•394•2601
(pmccasland@envplus.net)



Distribution List

2005 Annual Monitoring Report Hobbs Junction Mainline (ref. # 2003-00017)

Name	Title	Company or Agency	Mailing Address	e-mail
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Camille Reynolds	Remediation Coordinator	Plains Pipeline L.P.	P.O. Box 3119 Midland, TX 79702	cireynolds@paalp.com
Jeff Dann	Senior Environmental Specialist	Plains Pipeline L.P.	333 Clay Street Suite #1600 Houston, TX 77002	jpdann@paalp.com
Thaddeus Kostrubala	Environmental Engineer	New Mexico State Land Office	P.O. Box 1148, Santa Fe New Mexico 87504-1148	tkostrubala@slo.state.nm.us
file		Environmental Plus, Inc.	P.O. Box 1558 Eunice, NM 88231	pmccasland@envplus.net

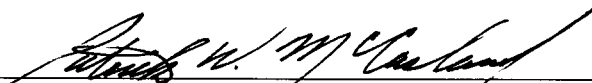
STANDARD OF CARE

2005 ANNUAL MONITORING REPORT

Hobbs Junction Mainline
Ref. # 2003-00017
(Company #231735)

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:


Patrick W. McCasland
Senior Environmental Consultant

20 March 2006
Date

This report was reviewed by:


Iain A. Olness, P.G.
Hydrogeologist

20 March 2006
Date

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1.0 BACKGROUND

This release originated in UL-M (SW¼ of the SW¼) of Section 26 at a latitude of 32°42'40.85"N and a longitude of 103°13'42.01"W, approximately 3 miles west of Hobbs, Lea County, New Mexico on land owned by the State of New Mexico and spread south into UL-D (NW¼ of the NW¼) of Section 35 in Range 37 East, Township 18 South, property owned by Faye Klein (reference *Figure 1*, *Figure 2* and *Figure 3*). The estimated 50 barrel crude oil leak, affecting approximately 12,500 square feet (ft²) (50' x 470') of surface area and attributed to internal corrosion, occurred on January 23, 2003 in the 10" steel pipeline with 24 barrels of crude oil recovered and reintroduced to the system. A limited amount of impacted soil in the area of the leak origin was excavated and stockpiled on a plastic barrier on site during pipe repair. During excavation activities it was also observed that a historical spill or spills had occurred at the site. During site delineation activities in February 2003, crude oil was found to have impacted groundwater situated approximately 40-feet below ground surface (bgs). In June 2003, with approval from the New Mexico Oil Conservation Division (NMOCD) and the landowners, monitoring wells MW-1 through MW-6 were installed and found to be impacted with phase separated hydrocarbons (PSH). Weekly product recovery and site surveillance began in June 2003. In August 2003, a remote gasoline powered product recovery system was deployed and in October 2003, electrical power was installed at the site and a skid mounted recovery system deployed. To bound the areal extents of PSH and dissolved phase hydrocarbon impacts, monitor wells MW-7 through MW-13 were installed in January 2004. MW-12, south of the leak origin was impacted with PSH. Monitoring wells MW-7 through MW-11 and MW-13 were not impacted by PSH or dissolved phase hydrocarbons. MW-13 is installed between the leak origin and the private irrigation well located approximately 620' west of the leak origin. In May 2004, with approval from the NMOCD and the landowners, monitoring wells MW-14 and MW-17 were installed as interior recovery wells and monitoring wells MW-15 and MW-16 installed to delineate the southern extents of the dissolved phase plume. Routine monitoring activities include; documenting changes in water and PSH levels, quarterly sampling of the groundwater monitoring wells not impacted with PSH and the Klein irrigation well, routine site reconnaissance, maintenance of the continuous product recovery system and management of produced fluids.

2.0 FIELD ACTIVITIES

Site visits occurred at least three times per week to inspect and maintain the PSH recovery system and manage produced fluids. The monitoring wells not impacted with PSH were sampled on March 31, May 23, August 17, and November 14, 2005. Prior to collecting the laboratory sample, depth to groundwater and PSH were measured. To allow the groundwater and PSH levels to stabilize and ensure representative and comparable measurements, the PSH recovery system was shutdown at least 48-hours prior to collecting water level information.

3.0 GROUNDWATER GRADIENT AND PSH THICKNESS

The area groundwater gradient is generally to the southeast and was interpolated from area water well information from the New Mexico Office of the State

Engineer. The site gradient remains consistent with the area groundwater gradient (reference *Figure 27, Figure 29, Figure 31 and Figure 33*). Stabilized PSH thicknesses in the impacted wells declined during 2005, ranging up to 2.14-foot decline in monitoring well MW-3. Cumulative PSH thickness declines, (i.e., declines recorded since inception of the PSH recovery program in 2003) range from 4.95-foot declines in monitoring well MW-3 to 0.04-foot decline in monitoring well MW-14. (reference *Table 2, Figures 23 through 26 and Figure 28, Figure 30, Figure 32 and Figure 34*).

4.0 PSH RECOVERY

In 2005, approximately 13,566 gallons of crude oil were recovered and reintroduced into the Plains Pipeline, L.P. pipeline system. The total recovery volume as of December 31, 2005, including 25,010 gallons recovered in 2003 and 2004, is 38,576 gallons (918.5 bbls). Approximately 24,696 gallons of groundwater accumulated during well development, purging activities prior to quarterly monitoring well sampling and incidental production during crude oil recovery activities have been disposed of off-site in NMOC permitted disposal facilities.

5.0 GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

PSH impacted monitoring wells (i.e., MW-1 through MW-6, MW-12, MW-14, and MW-17) were not sampled in 2005. Sampling events occurred on March 31, May 23, August 17, and November 14, 2005. Each well sampled was purged a minimum of 3 well volumes or dry prior to collecting the laboratory samples. The monitoring well samples were submitted to an independent laboratory during each sampling event for quantification of benzene, toluene, ethylbenzene, and total xylenes (BTEX) with polynuclear aromatic hydrocarbons (PAHs) analyses included in the May 23, 2005 sampling event. In addition to routine sampling of the site monitoring wells, the Klein irrigation well, located approximately 620-feet west of the leak origin, was sampled during the March 31, 2005 sampling event (reference *Figures 5 through 21, Table 3, Table 4 and Appendix I*).

5.1 GROUNDWATER MONITORING WELLS MW-1 THROUGH MW-6, MW-12, MW-14, AND MW-17

Groundwater monitoring wells MW-1 through MW-6, MW-12, MW-14 and MW-17 were not sampled in 2005 due to the presence of PSH.

5.2 GROUNDWATER MONITORING WELL MW-7

The BTEX and PAH compounds were not detected at or above the respective method detection limits (MDLs) during 2005.

5.3 GROUNDWATER MONITORING WELL MW-8

The BTEX and PAH compounds were not detected at or above the respective MDLs during 2005.

5.4 GROUNDWATER MONITORING WELL MW-9

The BTEX and PAH compounds were not detected at or above the respective MDLs during 2005.

5.5 GROUNDWATER MONITORING WELL MW-10

Benzene concentrations ranged from non-detectable at or above the 0.05 µg/L MDL to 11.9 µg/L, in excess of the WQCC groundwater standard of 10.0 µg/L. Toluene, ethylbenzene and total xylenes and the PAH compounds were not detected at or above the respective MDLs.

5.6 GROUNDWATER MONITORING WELL MW-11

Benzene concentrations ranged from 1,010 µg/L to 24,000 µg/L and were in excess of the WQCC groundwater standard of 10.0 µg/L. Toluene concentrations ranged from 831 µg/L to 7,450 µg/L and were in excess of the WQCC groundwater standard of 750 µg/L. Ethylbenzene concentrations ranged from 1,400 µg/L to 2,240 µg/L and were in excess of the 750 µg/L WQCC groundwater standard. Total xylenes concentrations ranged from 1,197 µg/L to 1,945 µg/L and were in excess of the 620 µg/L WQCC groundwater standard. Of the semi-volatile organic PAH compounds, only fluorene was detected above the 0.05 µg/L MDL, (i.e., 0.056 µg/L) and was less than the 30.0 µg/L WQCC groundwater standard.

5.7 GROUNDWATER MONITORING WELL MW-13

Benzene concentrations ranged from 1.04 µg/L to 1.50 µg/L and were not in excess of the WQCC groundwater standard of 10.0 µg/L. Toluene, ethylbenzene and total xylenes were not detected at or above the respective MDLs. The semi-volatile organic, PAH compounds, were detected above the laboratory MDL of 0.050 µg/L but were less than the 30.0 µg/L WQCC groundwater standard.

5.8 GROUNDWATER MONITORING WELL MW-15

Benzene concentrations ranged from 1.04 µg/L to 8,860 µg/L and were in excess of the WQCC groundwater standard of 10.0 µg/L. Toluene concentrations ranged from 10.4 µg/L to 14.9 µg/L and were not in excess of the WQCC groundwater standard of 750 µg/L. Ethylbenzene concentrations ranged from not detected at or above the MDL to 34.1 µg/L and were not in excess of the 750 µg/L WQCC groundwater standard. The total xylene concentrations ranged from 23.9 µg/L to 265 µg/L and were not in excess of the 620.0 µg/L WQCC groundwater standard. The PAH compounds were not detected at or above the 0.050 µg/L MDL.

5.9 GROUNDWATER MONITORING WELL MW-16

Benzene concentrations ranged from 2.42 µg/L to 7.12 µg/L, but were below the WQCC groundwater standard of 10.0 µg/L. Toluene, ethylbenzene and total xylenes were not detected above the respective MDLs. The PAH compounds were not detected at or above the 0.050 µg/L MDL.

5.10 KLEIN IRRIGATION WELL

The BTEX compounds were not detected at or above the MDLs in this irrigation well during 2005.

6.0 STATUS AND RECOMMENDATIONS

Based on field monitoring and analytical results collected during the past year, the following recommendations are being made (reference *Table 5*):

- 1) Continue to monitor the system on a semi-weekly basis to record water and PSH levels, maintain the PSH recovery system, and inspect the site.
- 2) Install additional groundwater monitoring wells, as approved by the NMOCD in 2005, to further delineate the lateral extent of the dissolved phase groundwater impacts. The proposed location of monitoring well MW18 is approximately 75-feet south of monitoring well MW-16 and proposed monitoring well MW-19 is approximately 75-feet south of monitoring well MW-15 (reference *Figure 34*).
- 3) Install one additional groundwater monitoring well to further delineate the lateral extent of the dissolved phase groundwater impacts. The proposed location of monitoring well MW-20 is approximately 75-feet southeast (down-gradient) of monitoring well MW-11 (reference *Figure 34*).
- 4) Continue to sample the groundwater monitoring wells that do not have eight consecutive quarters of results below the WQCC groundwater standards and not impacted with PSH on a quarterly basis. The samples shall be submitted for quantification of BTEX for each sampling event and PAH during the initial sampling event of 2006.
- 5) Reduce sampling frequency from quarterly to annually for groundwater monitoring wells with eight consecutive quarters of results below the WQCC groundwater standards, (i.e., groundwater monitoring wells MW-7, MW-8, MW-9 and MW-13), analyzing for BTEX and the PAH parameters.
- 6) Sample the up-gradient Klein irrigation well annually. If impact is detected during quarterly monitoring of perimeter monitoring well MW-13, located between the leak origin and the Klein irrigation well, the Klein irrigation well will be sampled and analyzed for BTEX and PAH immediately, quarterly for BTEX and annually for PAH thereafter.
- 7) Develop an interim soil remediation plan and submit it to the NMOCD prior to the end of the second quarter of 2006.

FIGURES

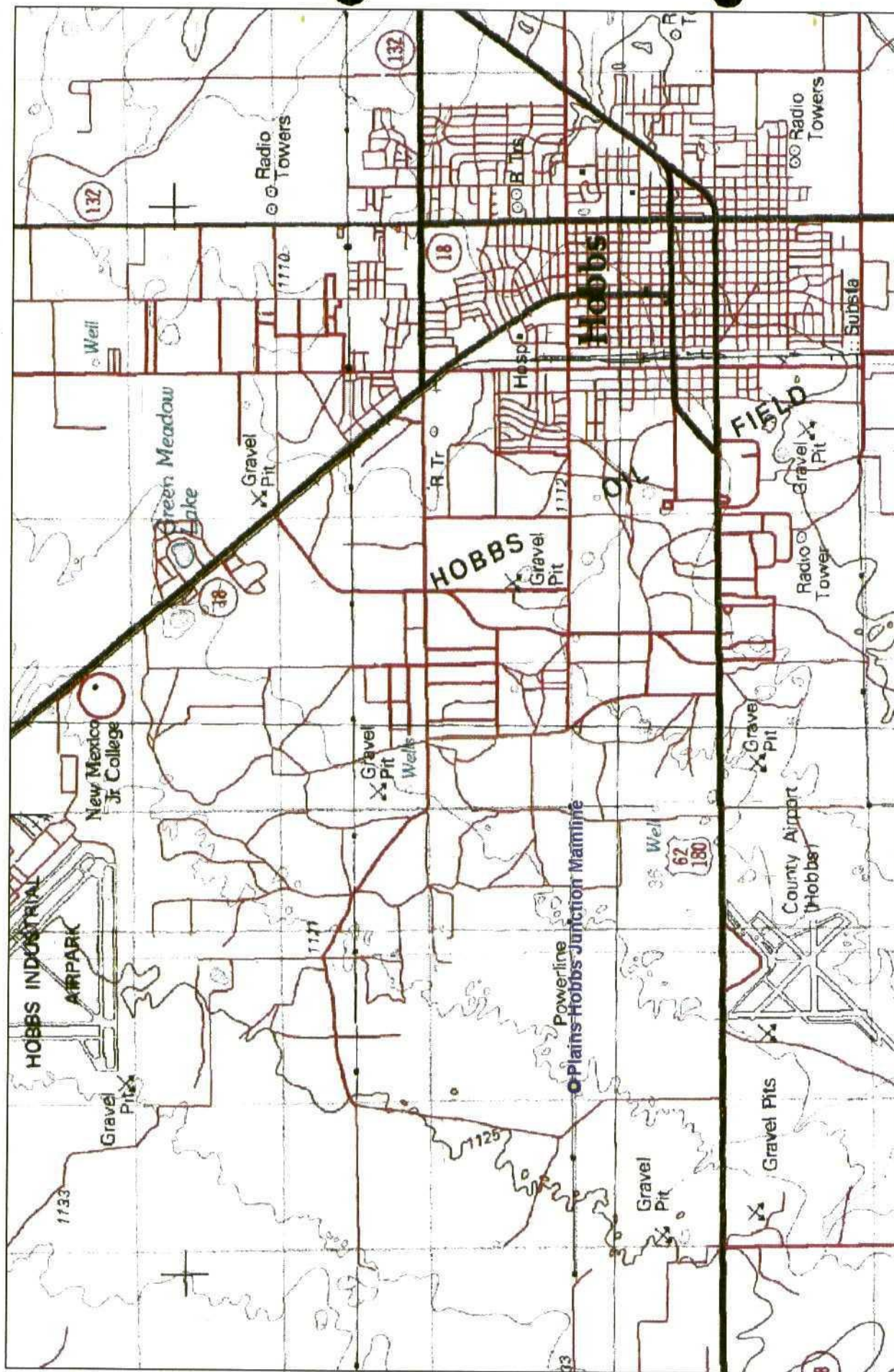


Figure 1
Site Map

Plains Pipeline, L.P.

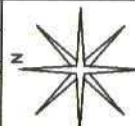
Hobbs Junction Mainline #2003-00017

Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 3, T26S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl

DWG By: PW McCasland
January 2004

REVISÉ:
January 2006

SHEET
1 of 1



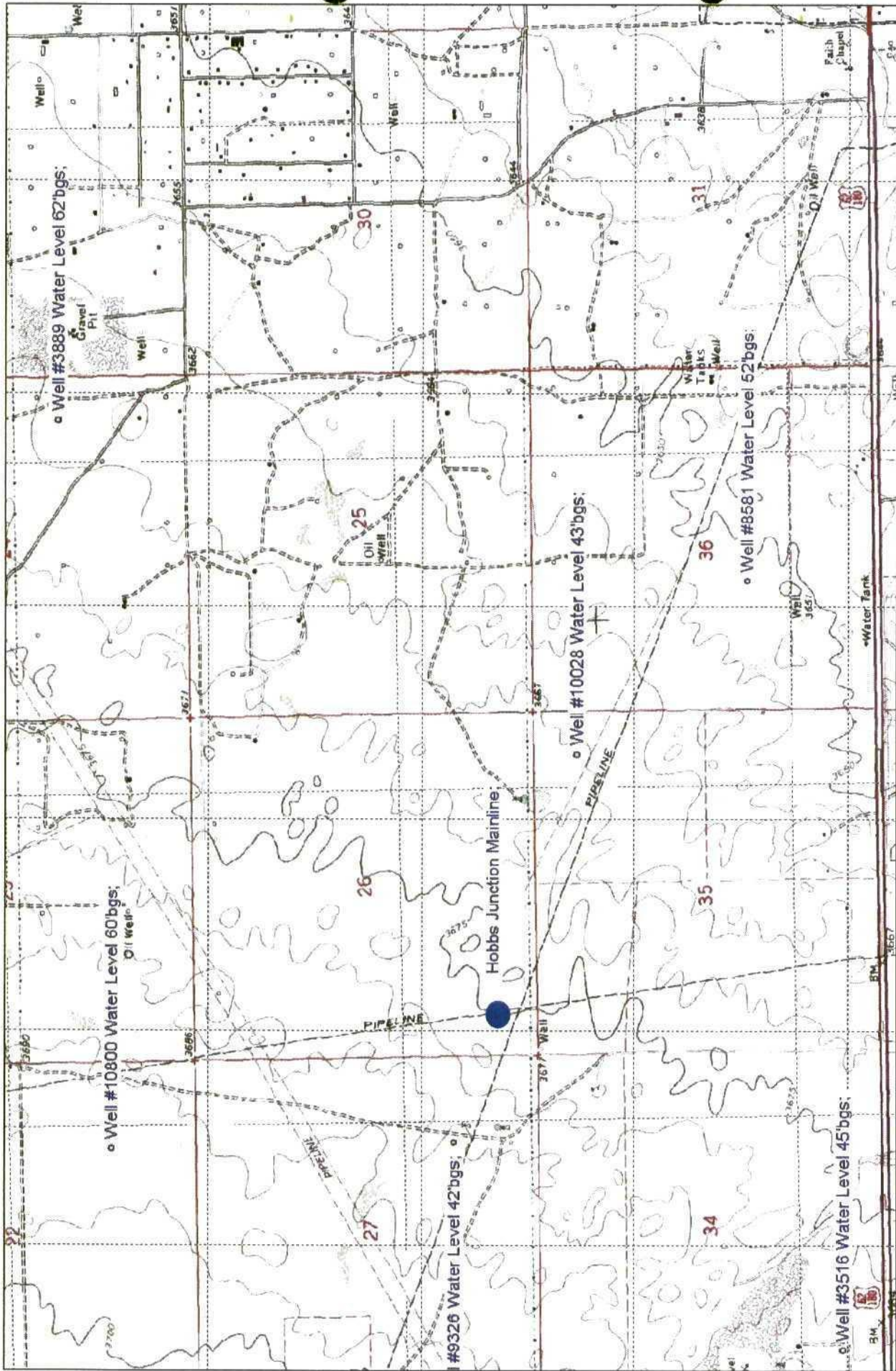


Figure 2 Site Map Plains Pipeline, L.P. Hobbs Junction Mainline #2003-00017	Lea County, New Mexico SW 1/4 of the SW 1/4, Sec. 3, T26S, R37E N 32° 42' 40.85" W 103° 13' 42.01" Elevation: 3,675 feet amsl		DWG By: PW McCasland January 2004	REVISED: January 2006	SHEET 1 of 1
	Scale: 0 to 2 miles		North Arrow		

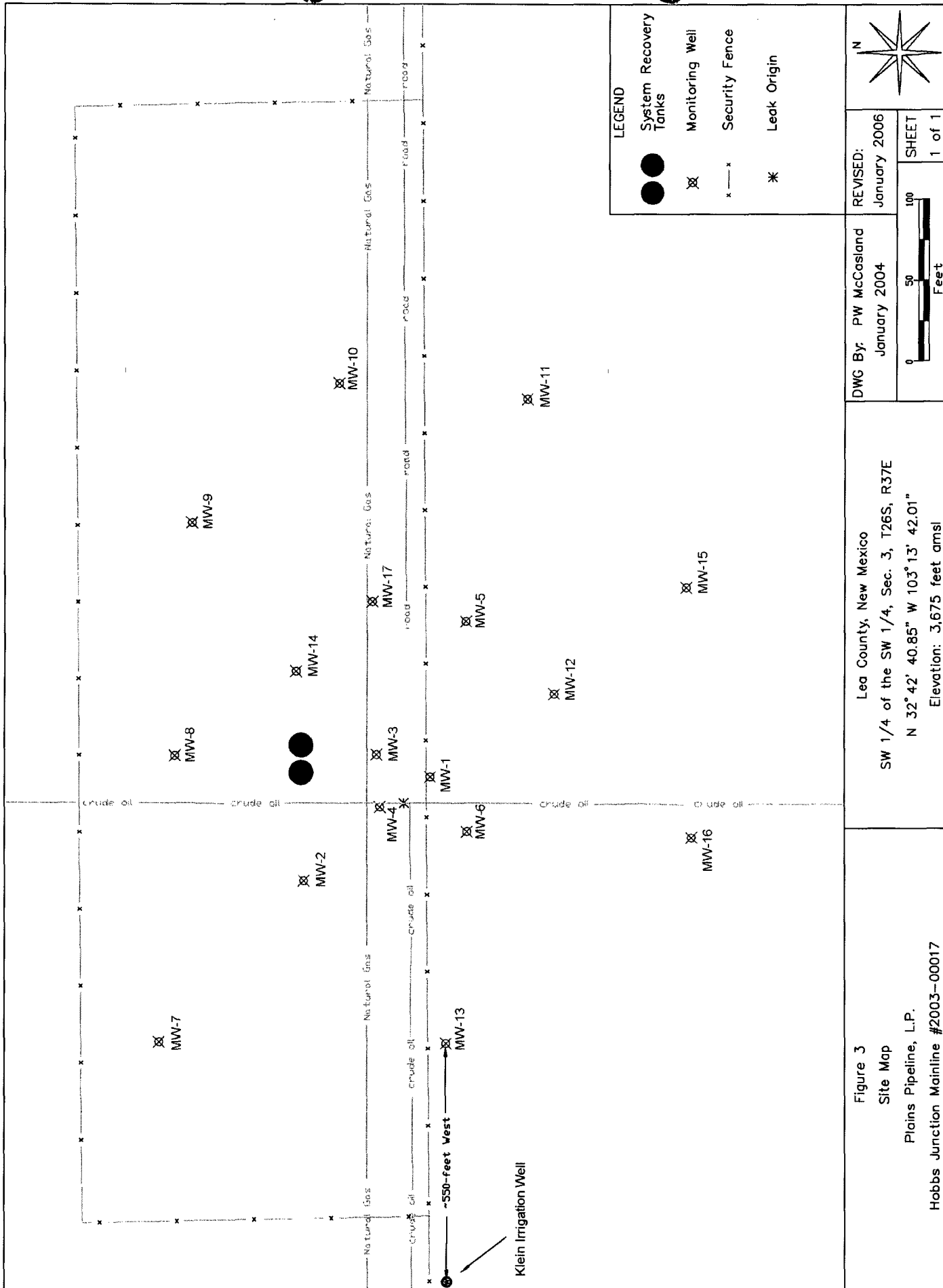
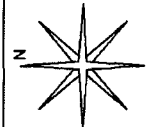


Figure 3
 Site Map
 Plains Pipeline, L.P.
 Hobbs Junction Mainline #2003-00017

Lea County, New Mexico
 SW 1/4 of the SW 1/4, Sec. 3, T26S, R37E
 N 32° 42' 40.85" W 103° 13' 42.01"
 Elevation: 3,675 feet amsl

DWG By: PW McCasland
 January 2004

REVISED:
 January 2006



SHEET
 1 of 1

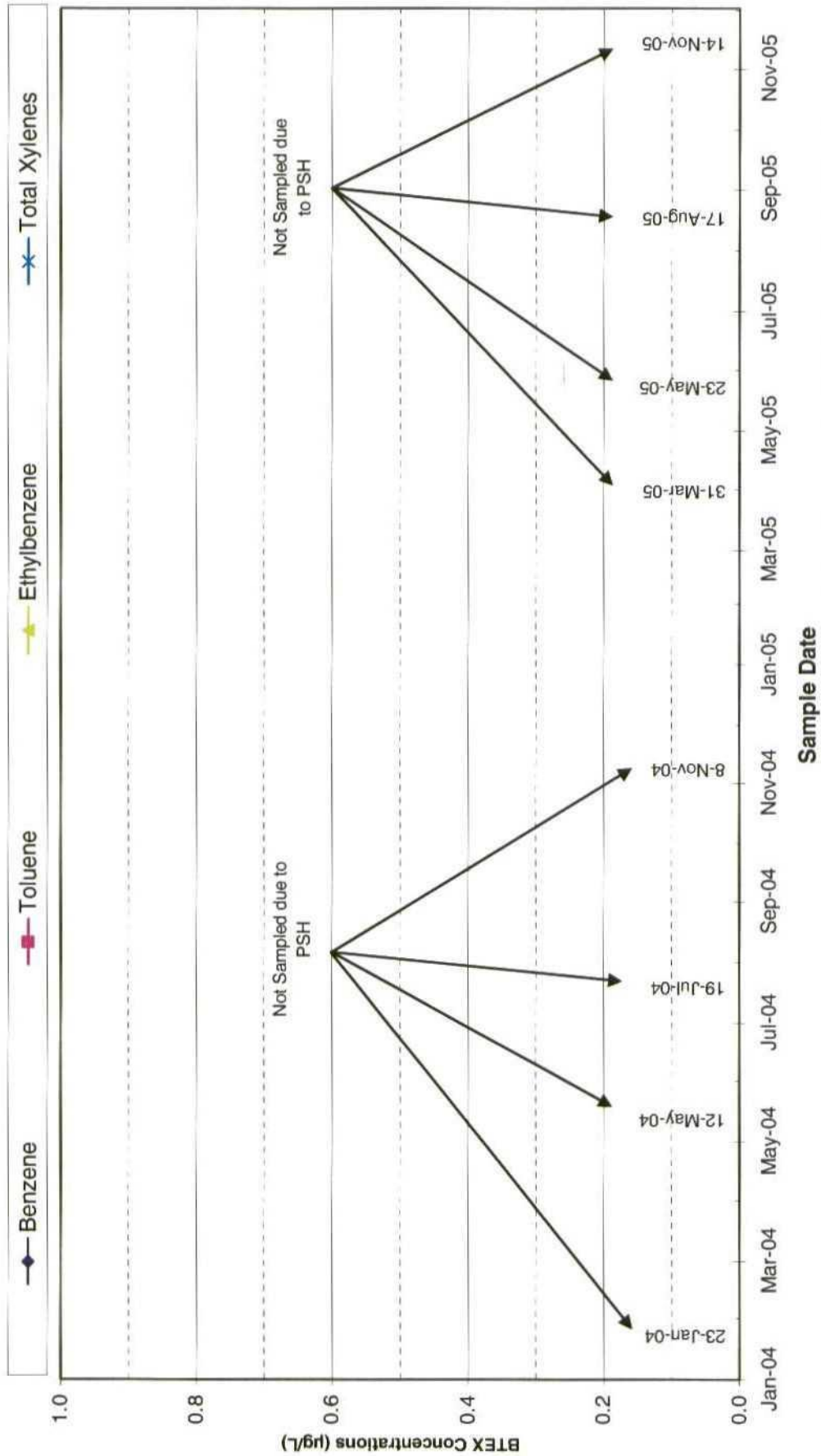


Figure 4: BTEX Concentrations in Groundwater Monitoring Well MW-1, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

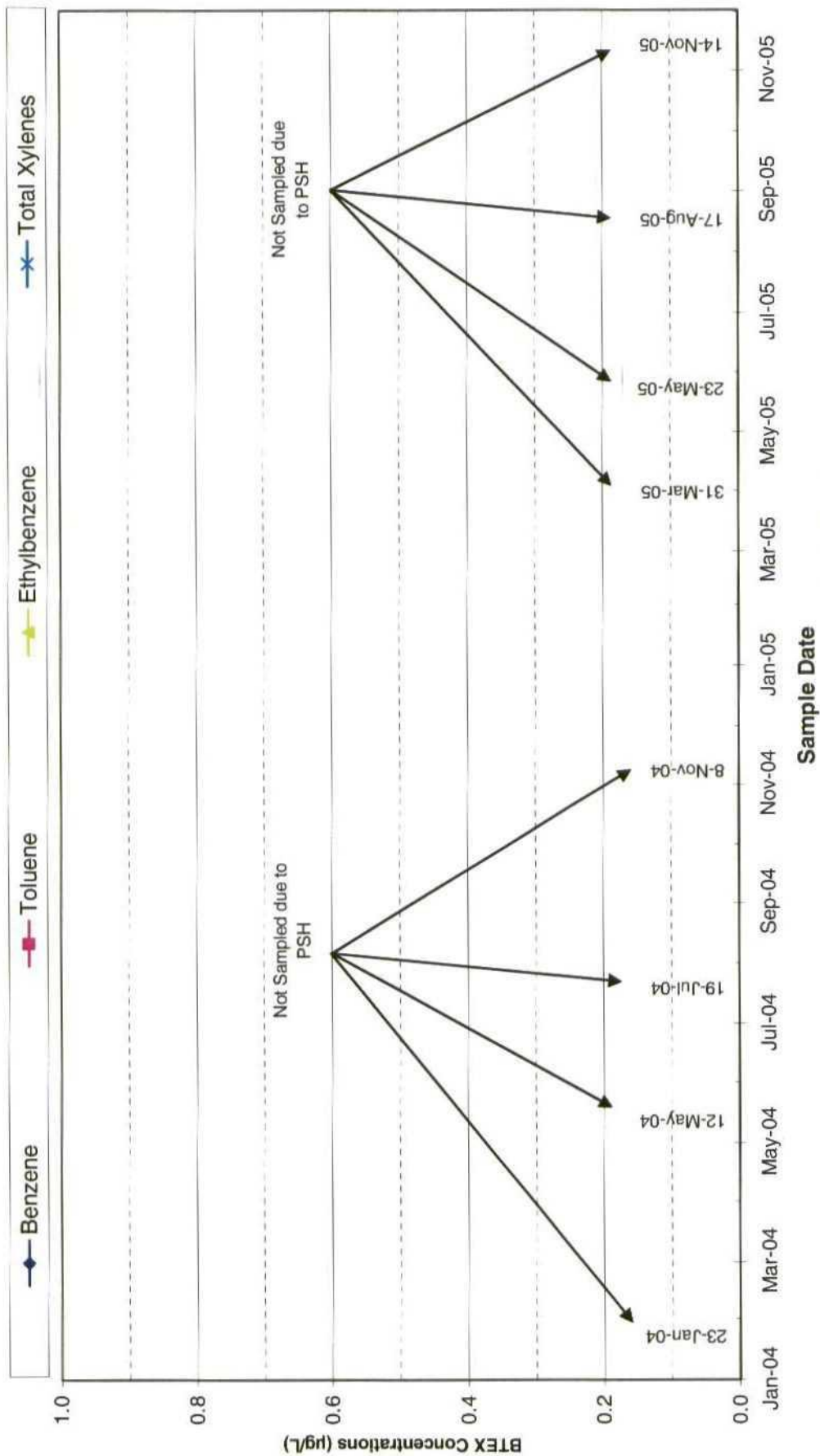


Figure 5: BTEX Concentrations in Groundwater Monitoring Well MW-2, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

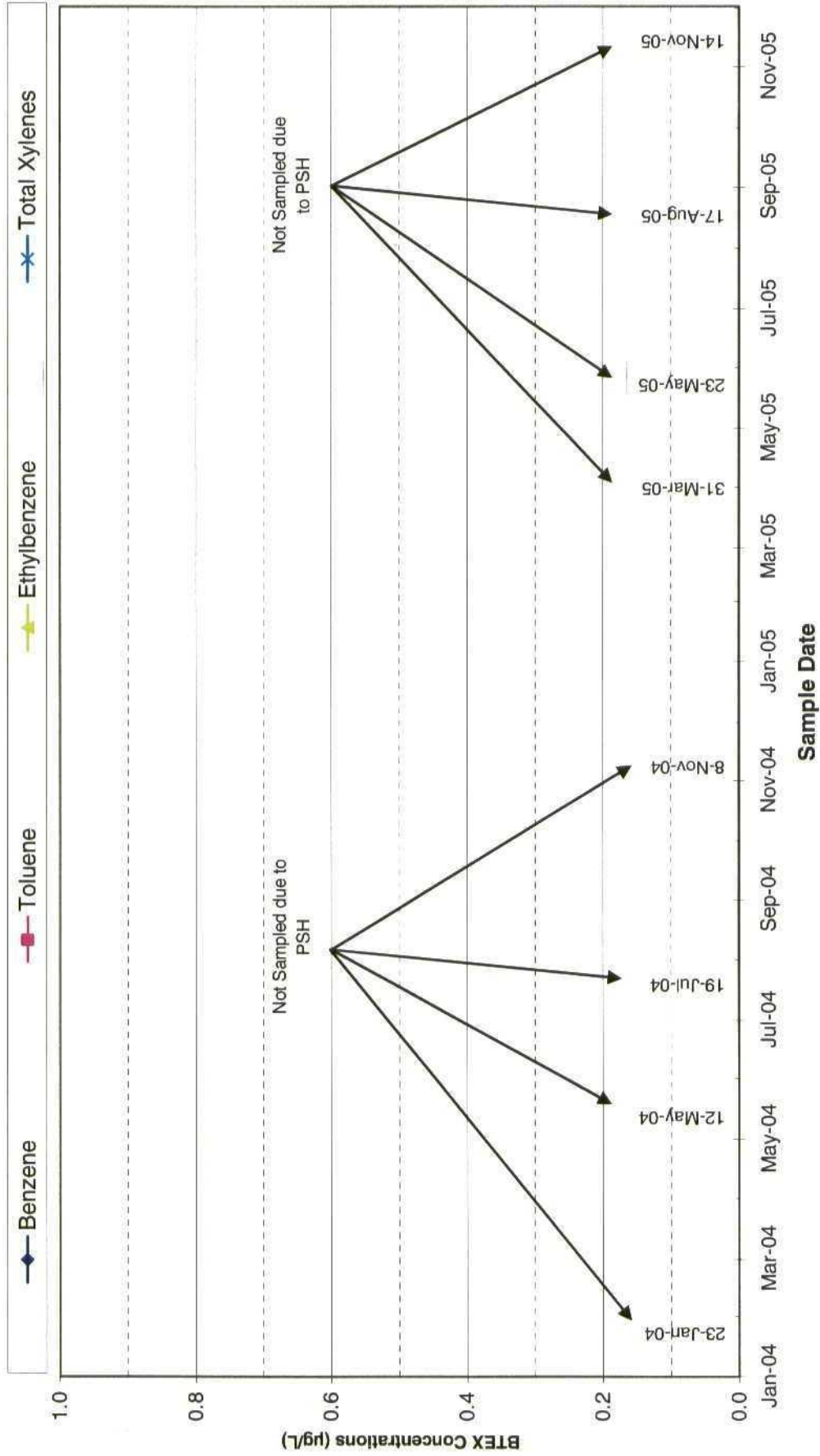


Figure 6: BTEX Concentrations in Groundwater Monitoring Well MW-3, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

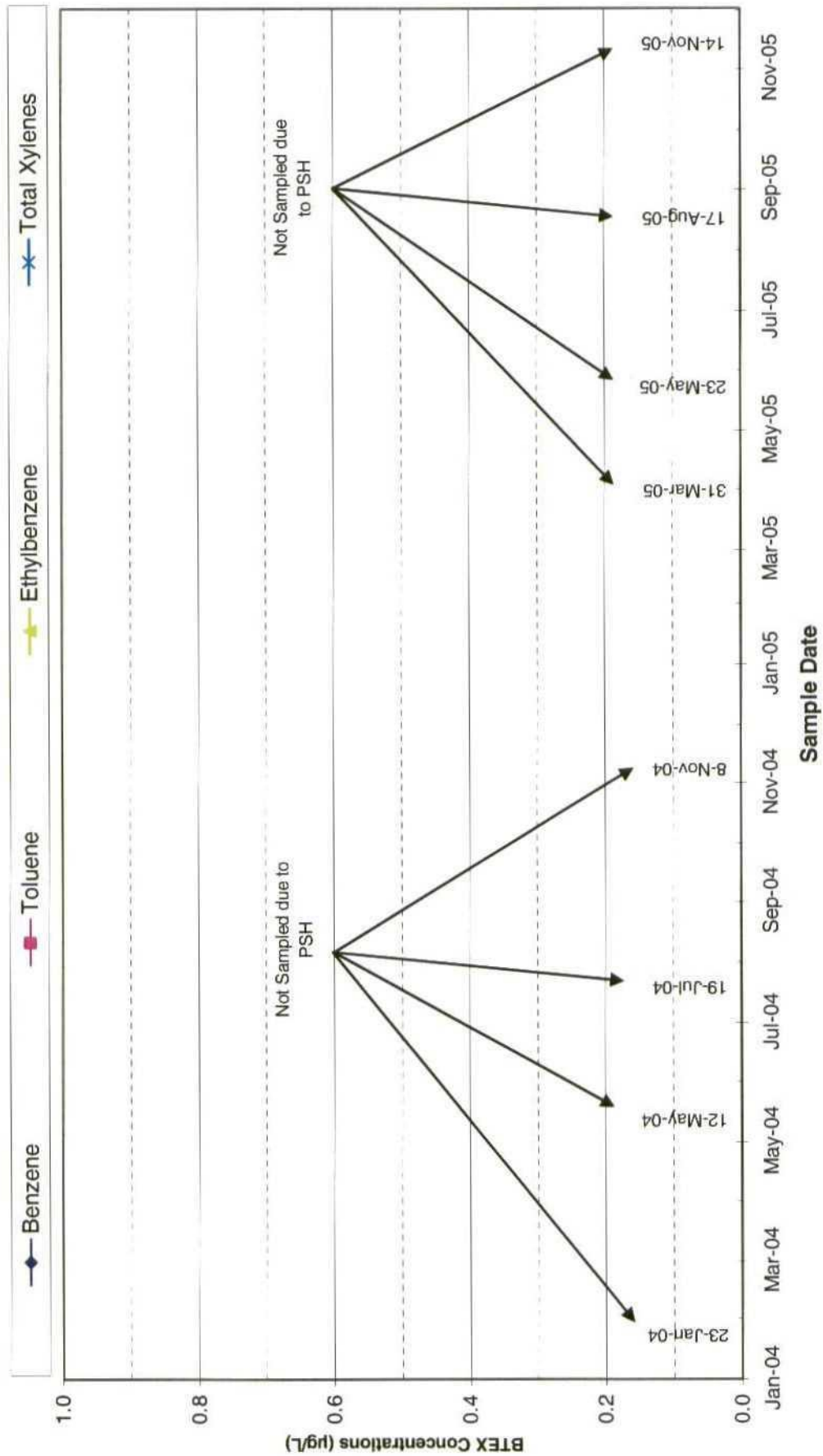


Figure 7: BTEX Concentrations in Groundwater Monitoring Well MW-4, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

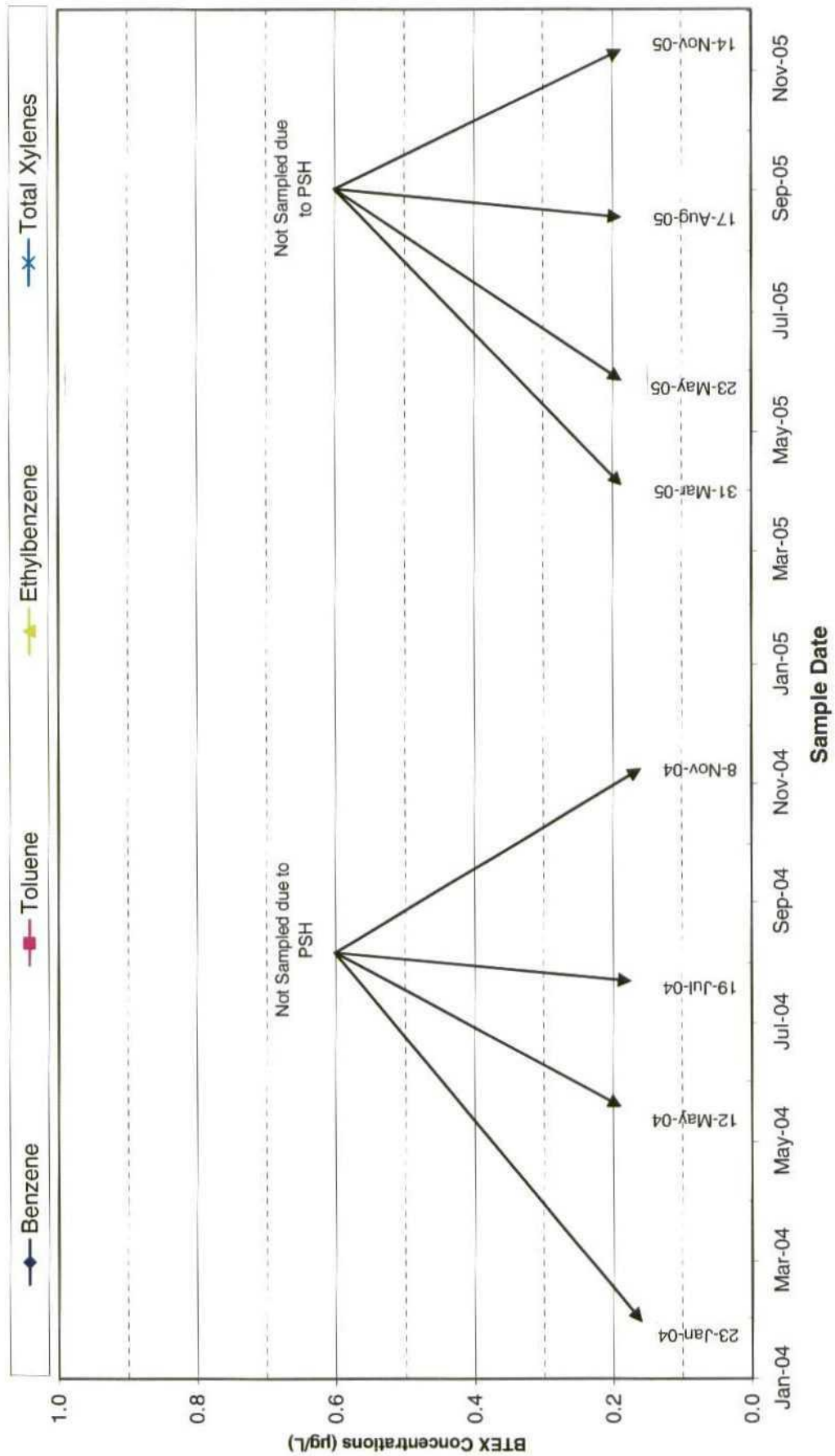


Figure 8: BTEX Concentrations in Groundwater Monitoring Well MW-5, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

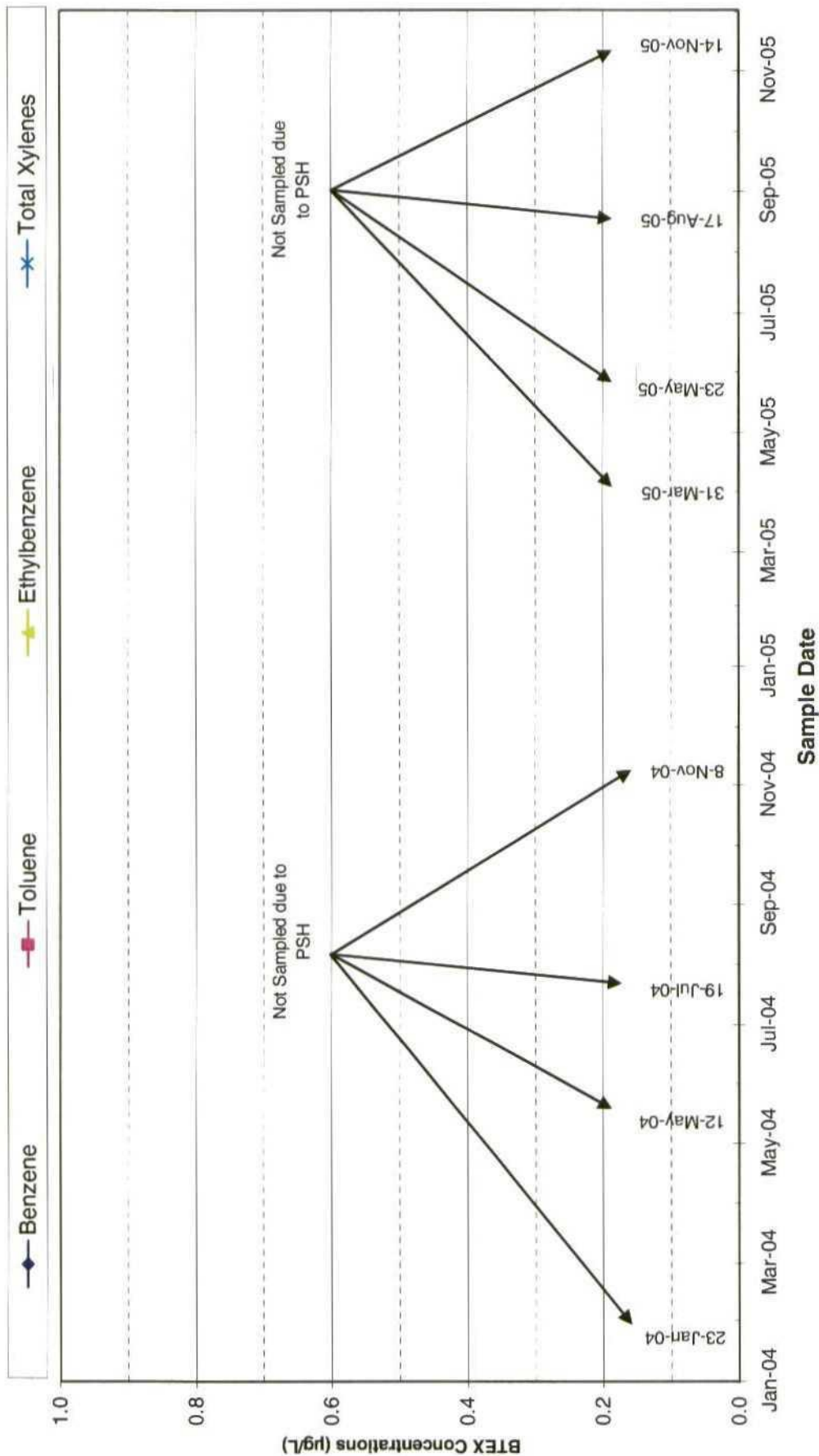


Figure 9: BTEX Concentrations in Groundwater Monitoring Well MW-6, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

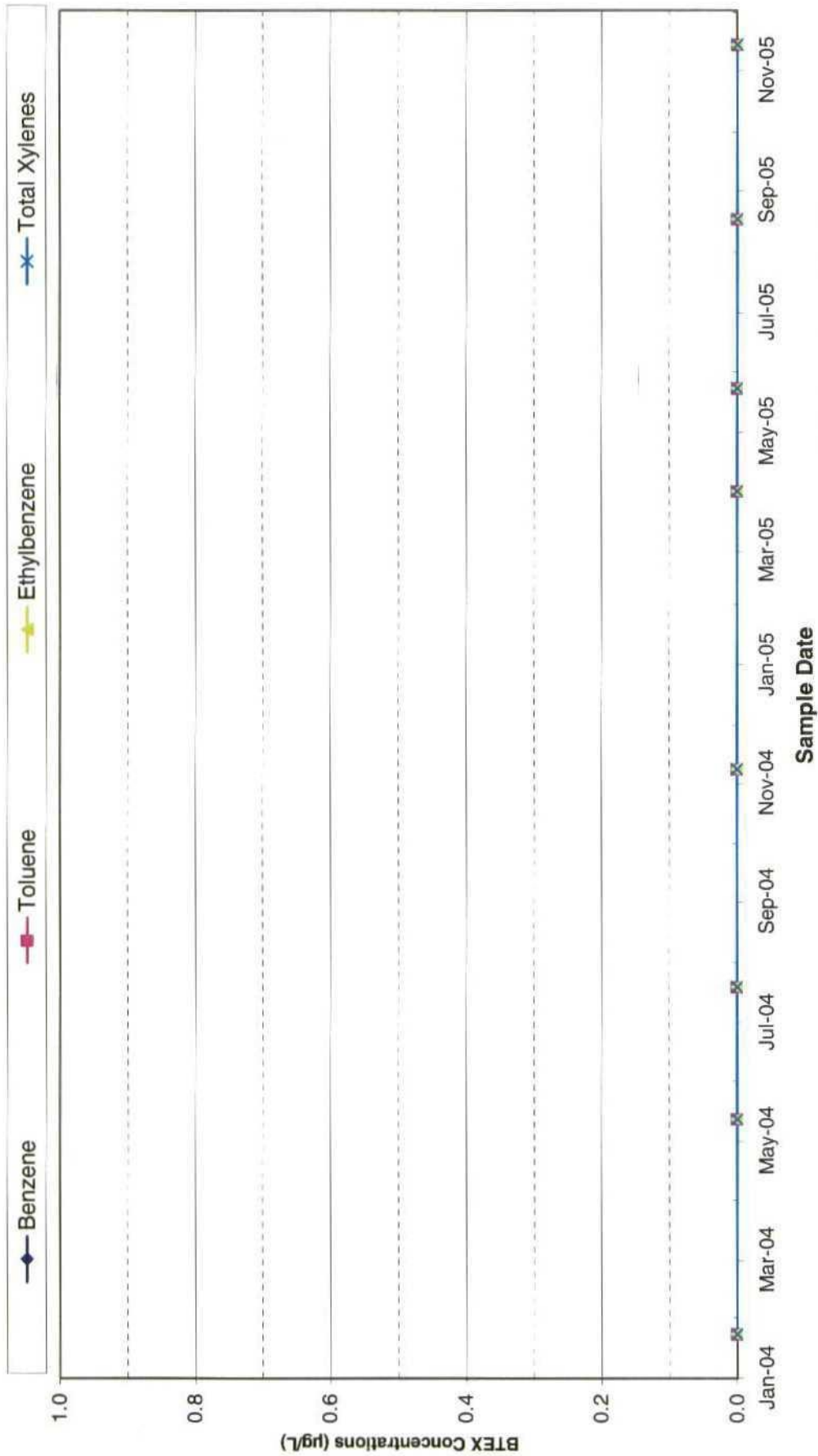


Figure 10: BTEX Concentrations in Groundwater Monitoring Well MW-7, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

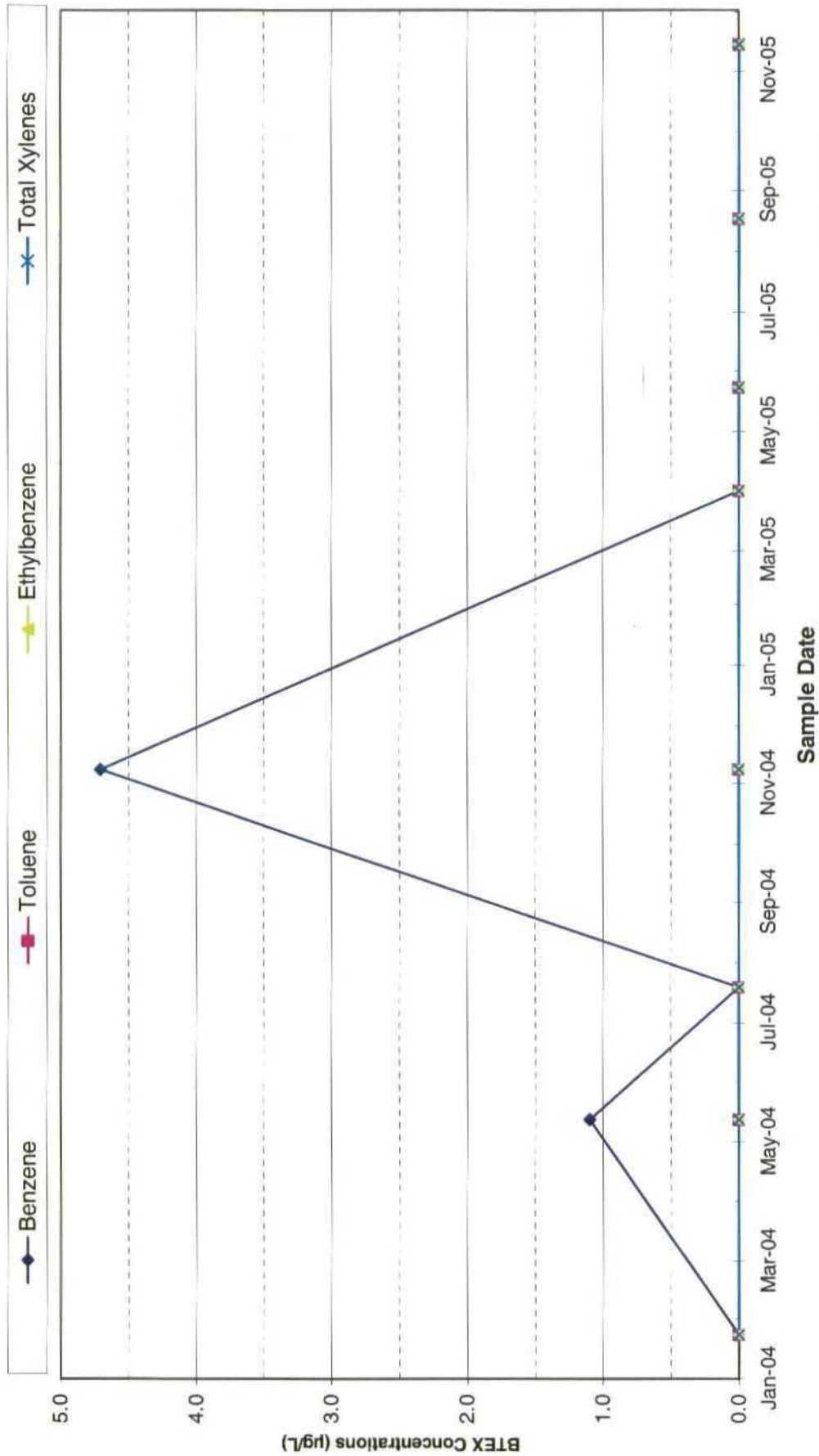


Figure 11: BTEX Concentrations in Groundwater Monitoring Well MW-8, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

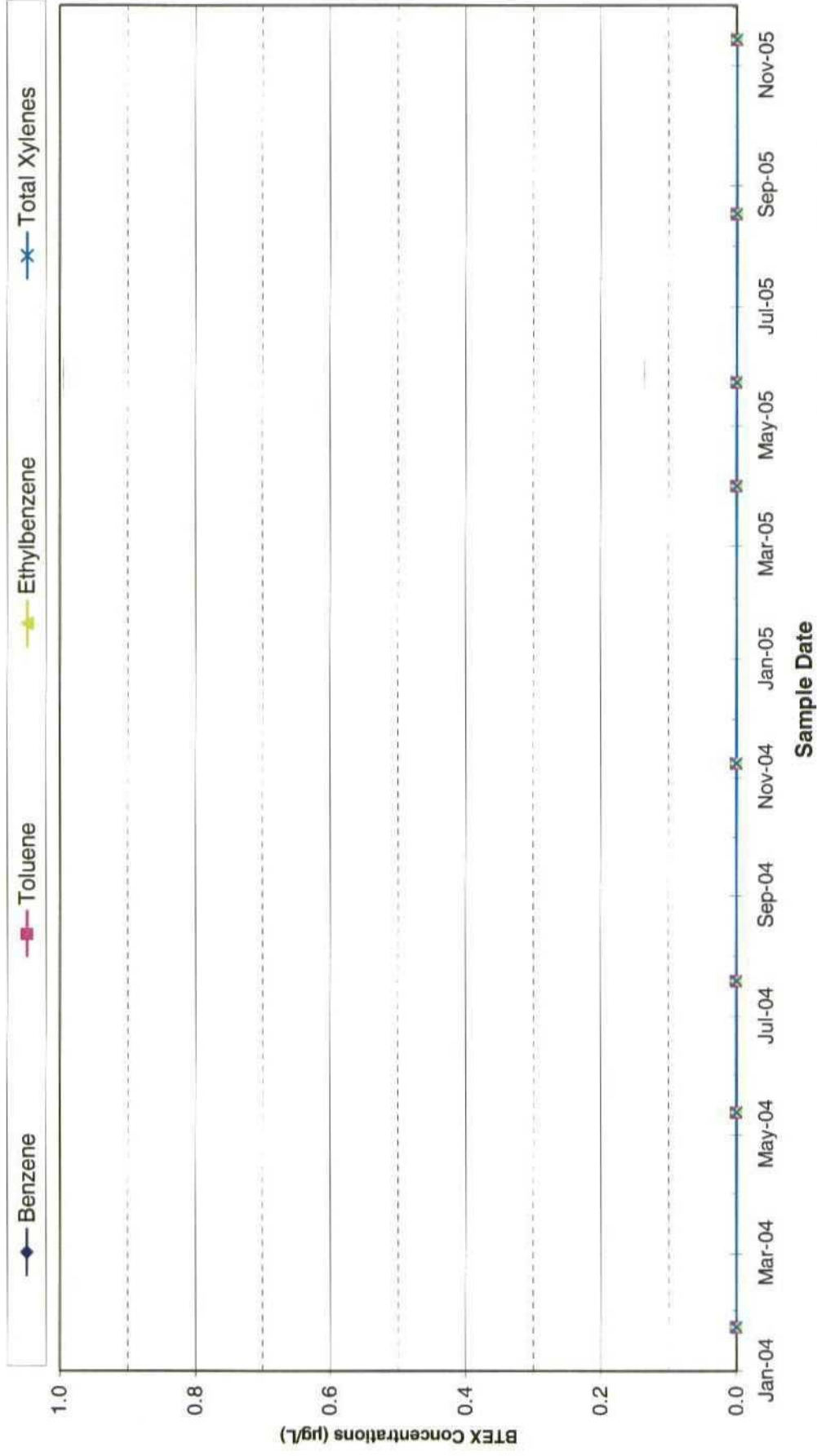


Figure 12: BTEX Concentrations in Groundwater Monitoring Well MW-9, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

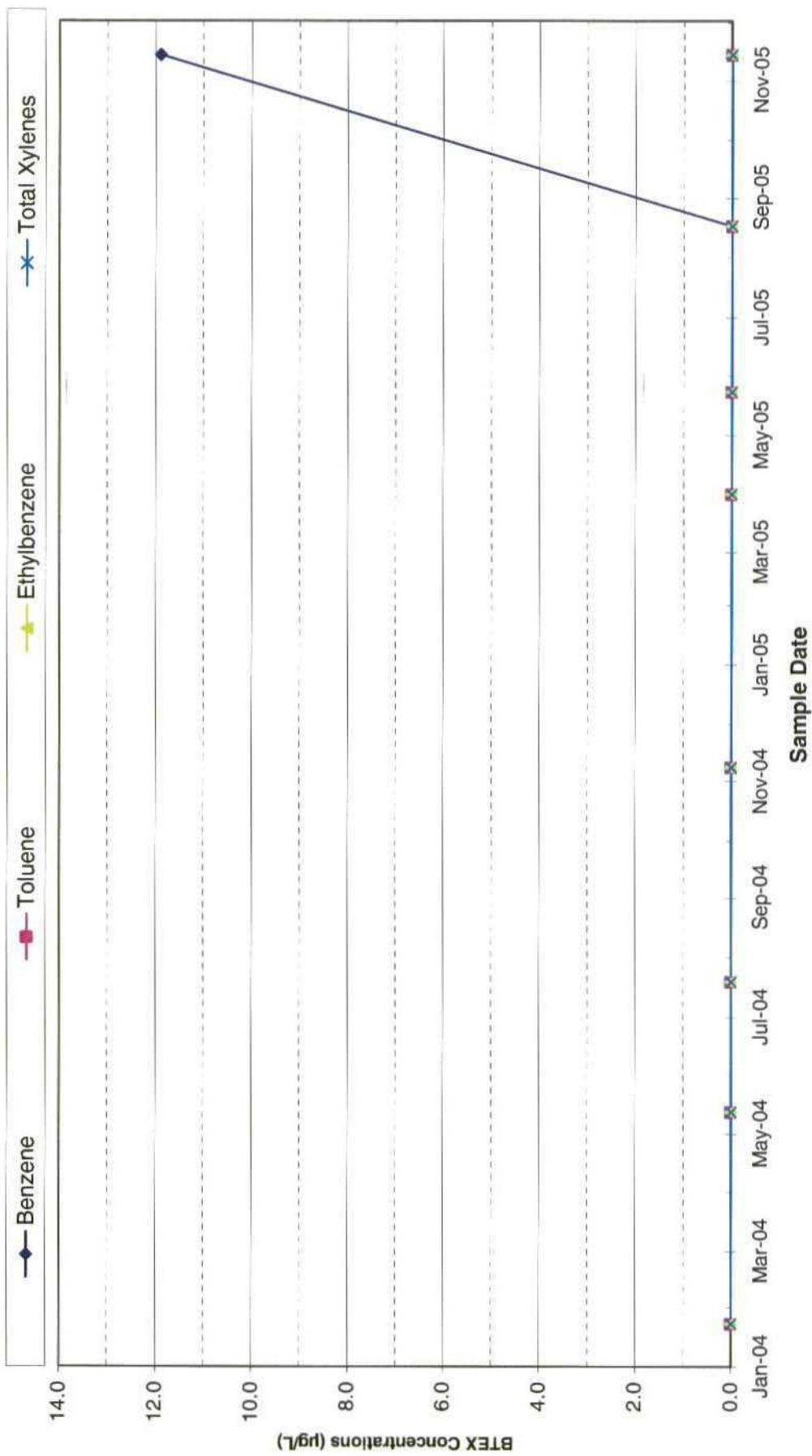


Figure 13: BTEX Concentrations in Groundwater Monitoring Well MW-10, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

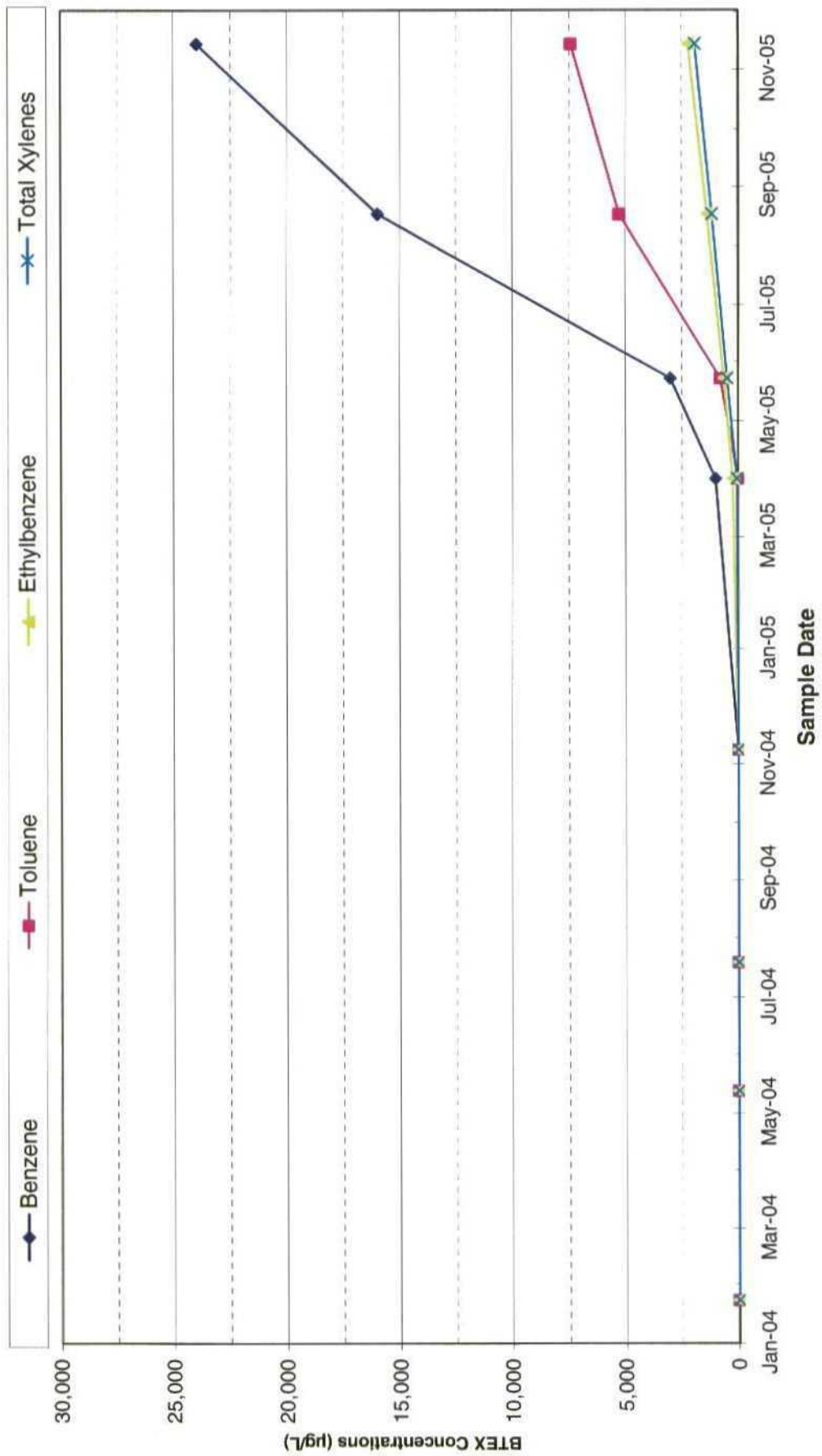


Figure 14: BTEX Concentrations in Groundwater Monitoring Well MW-11, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

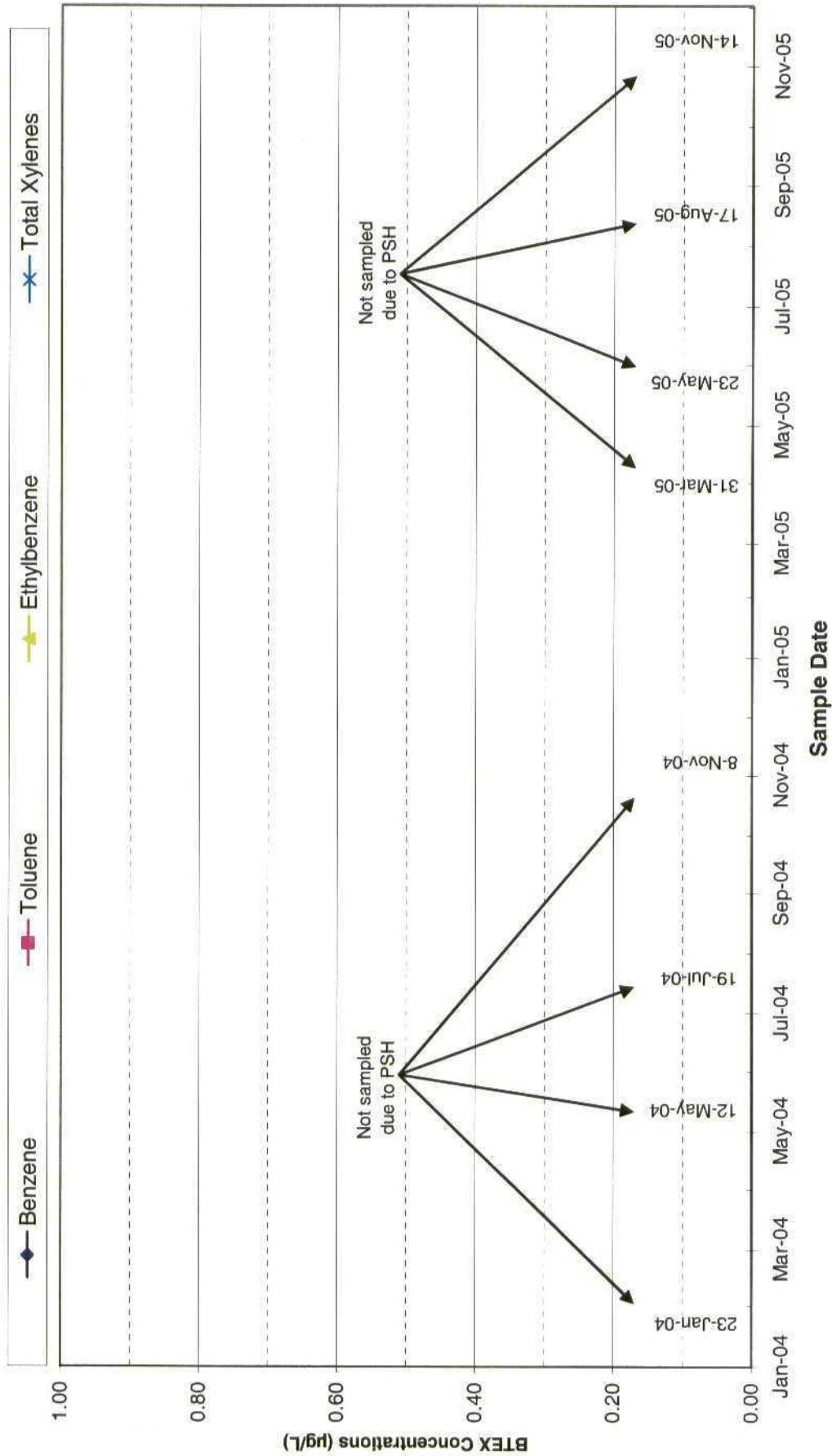


Figure 15: BTEX Concentrations in Groundwater Monitoring Well MW-12, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

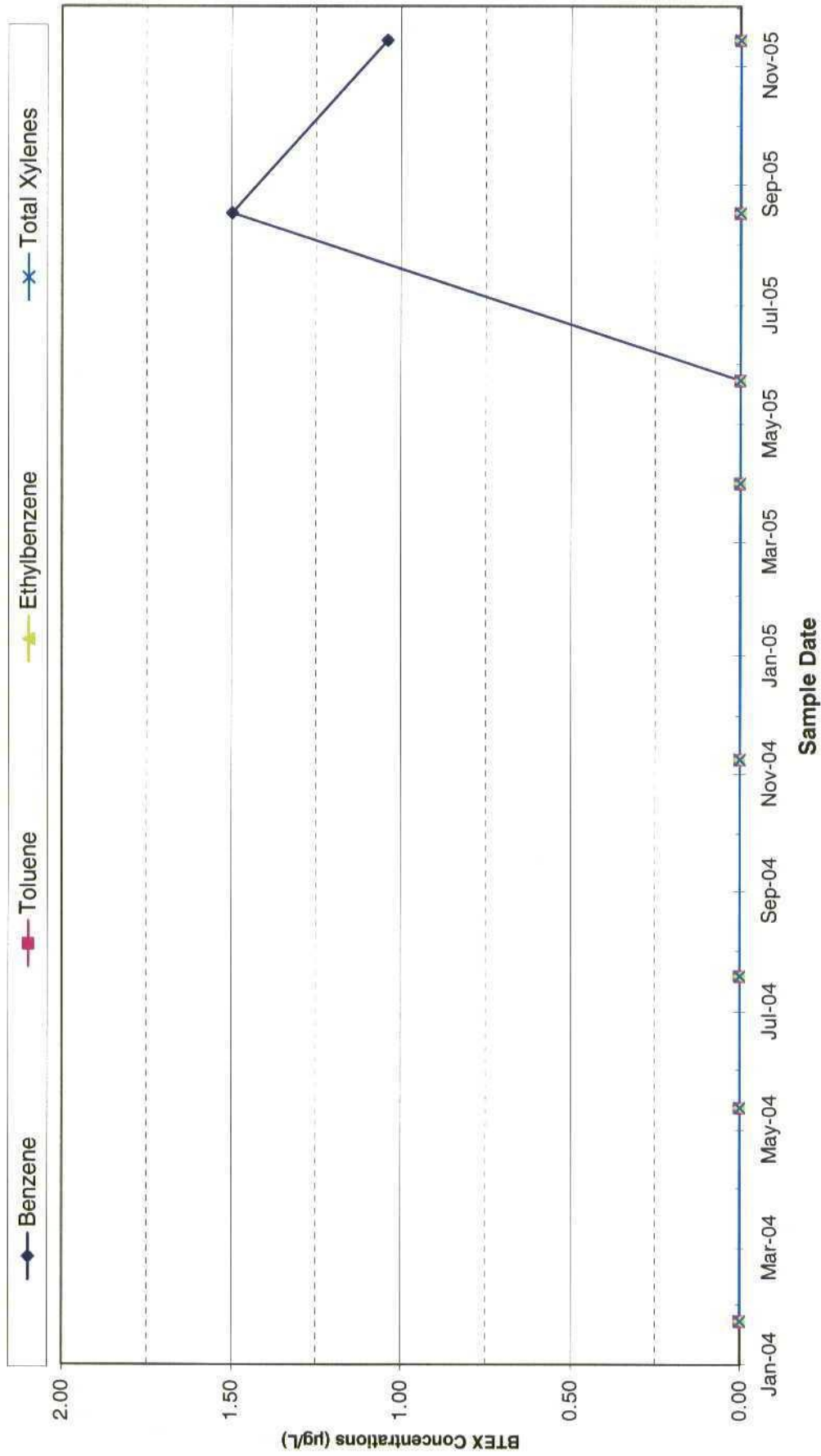


Figure 16: BTEX Concentrations in Groundwater Monitoring Well MW-13, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

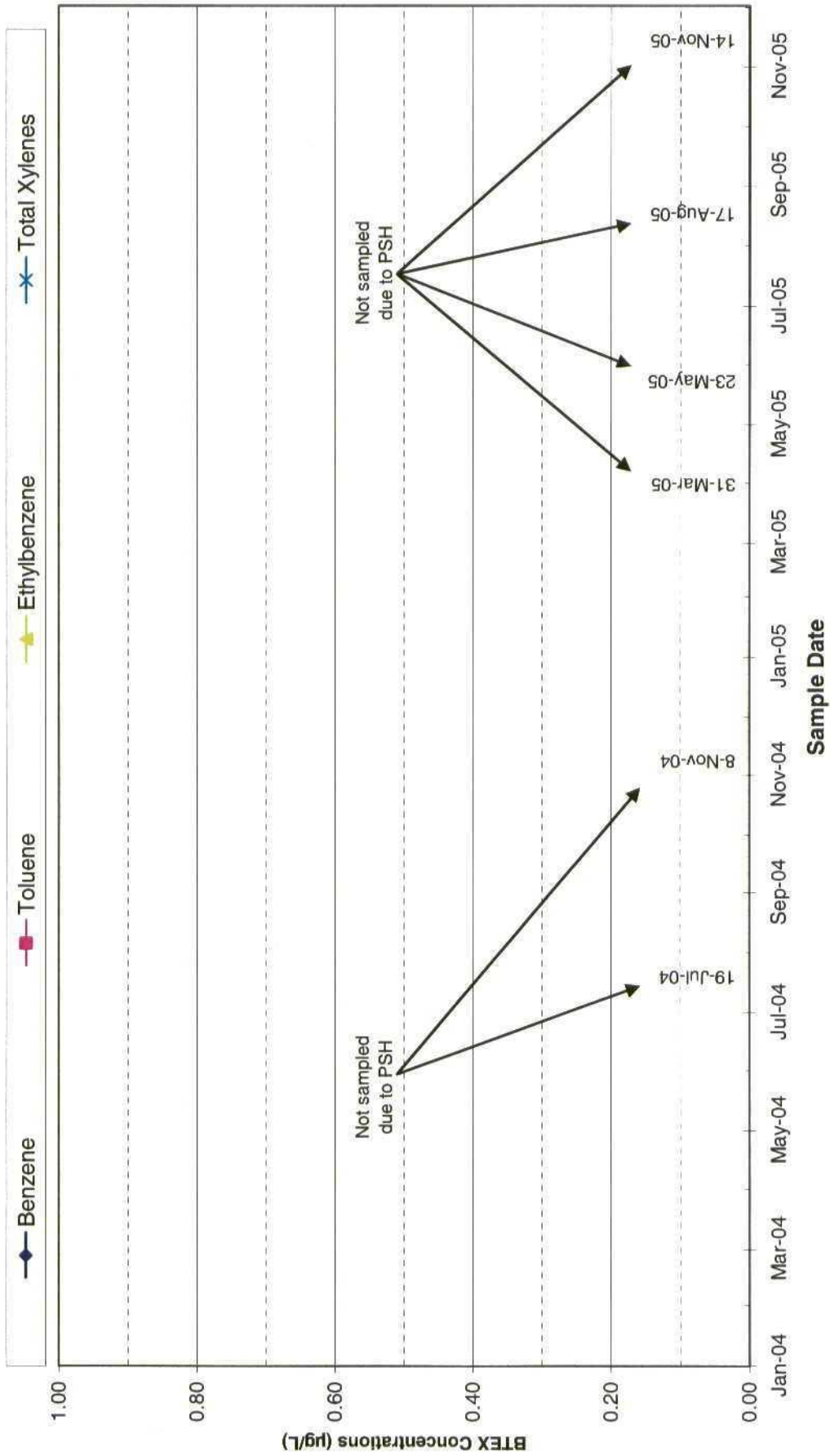


Figure 17: BTEX Concentrations in Groundwater Monitoring Well MW-14, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

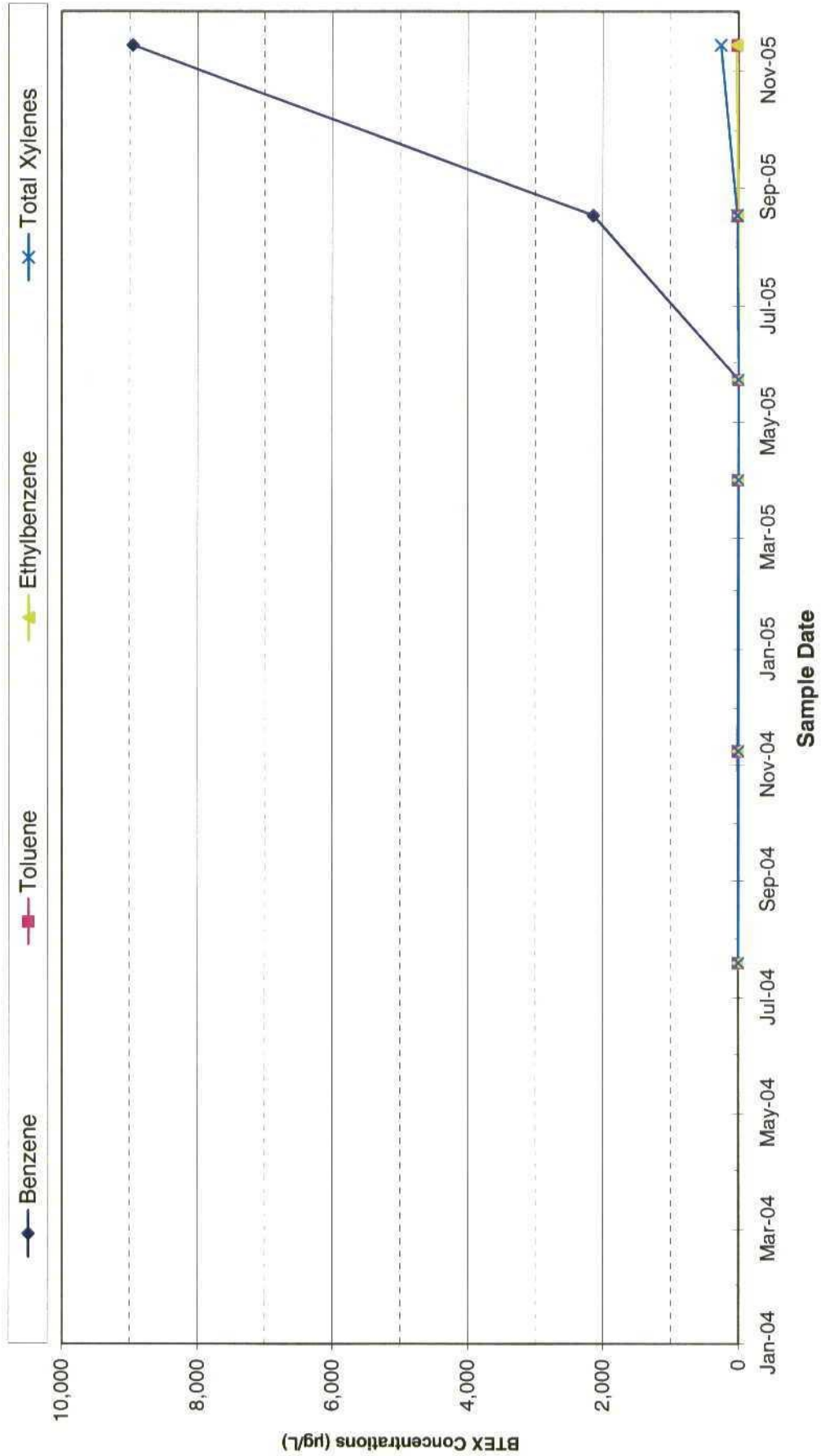


Figure 18: BTEX Concentrations in Groundwater Monitoring Well MW-15, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

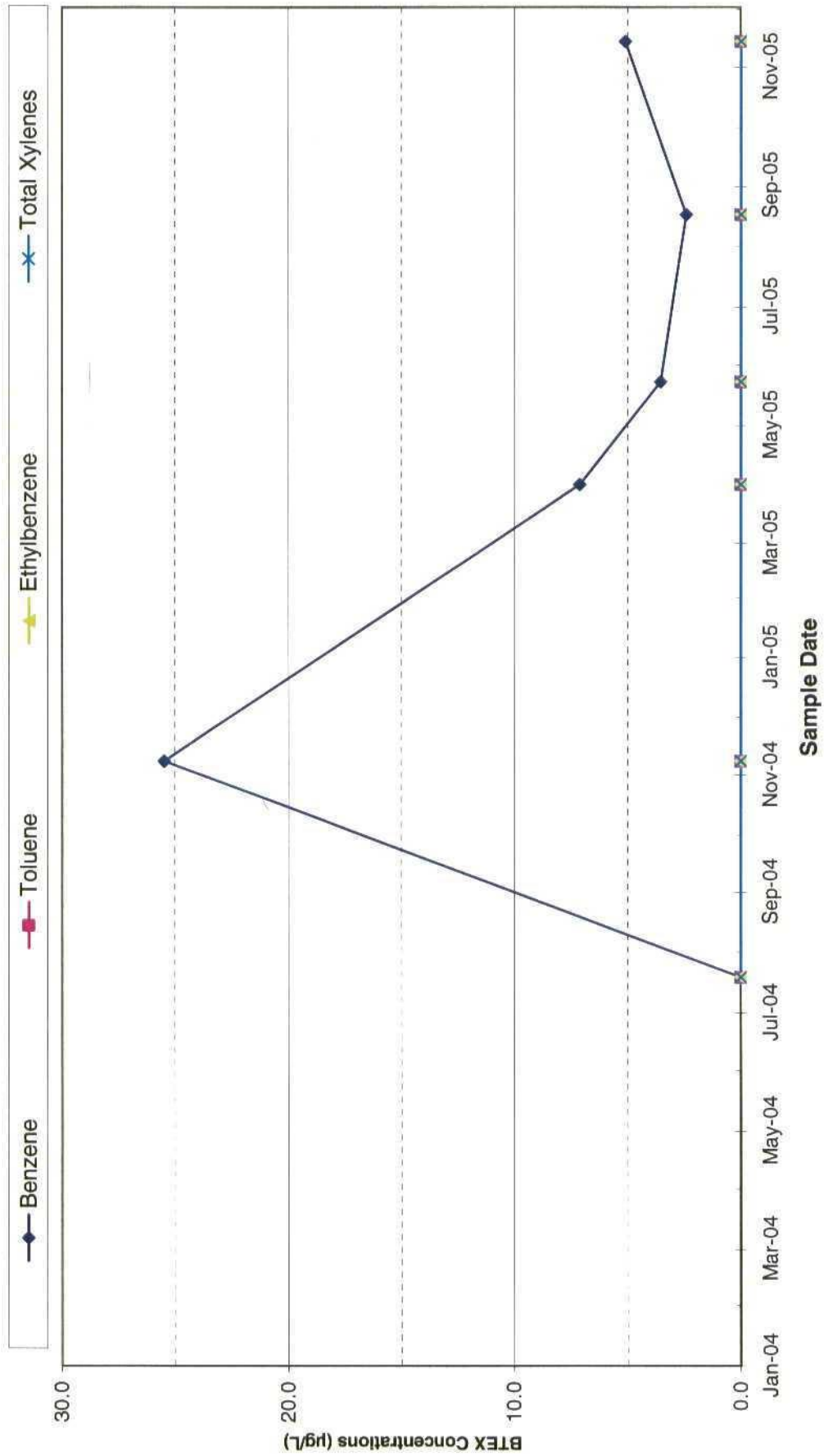


Figure 19: BTEX Concentrations in Groundwater Monitoring Well MW-16, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

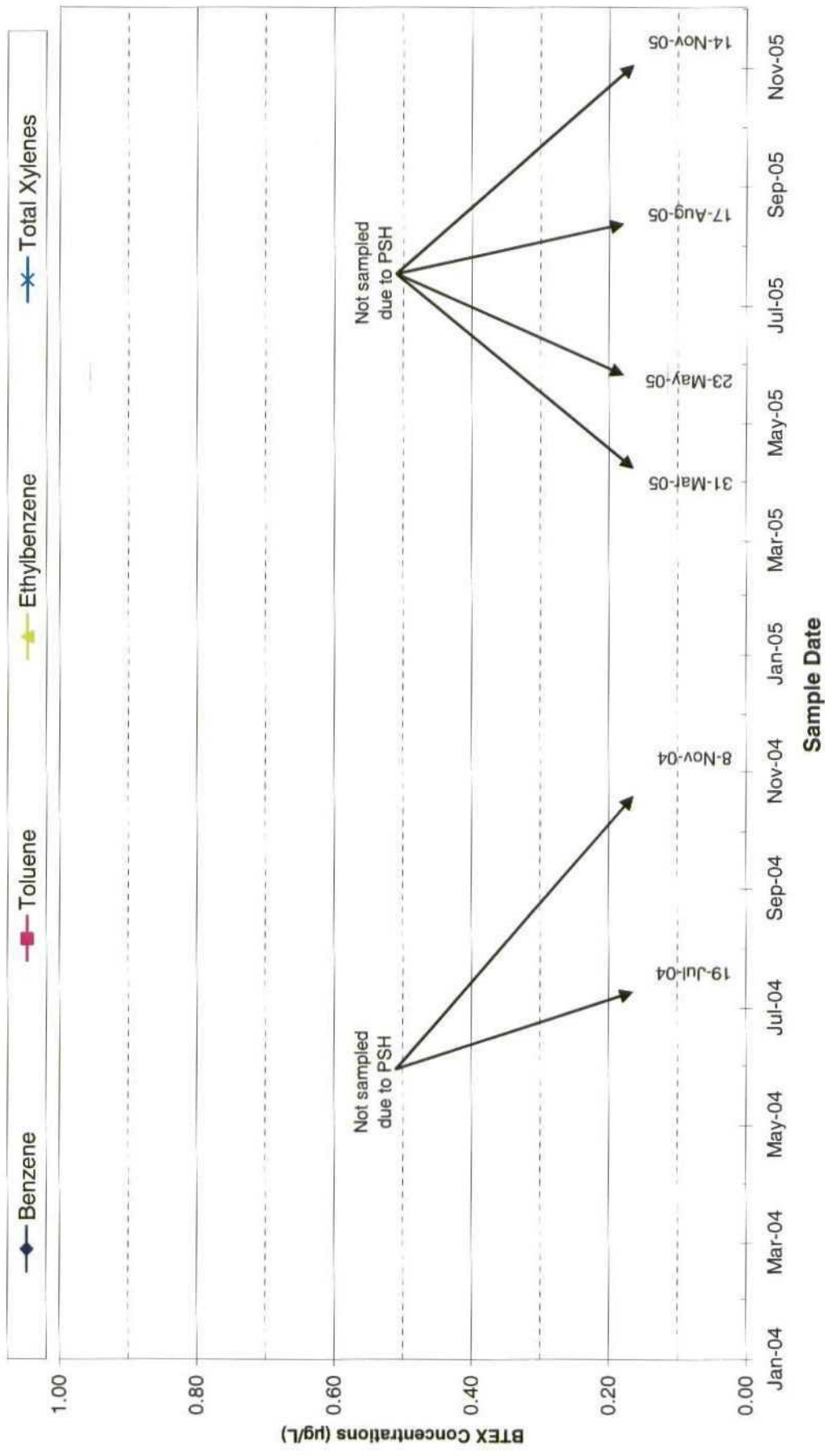


Figure 20: BTEX Concentrations in Groundwater Monitoring Well MW-17, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

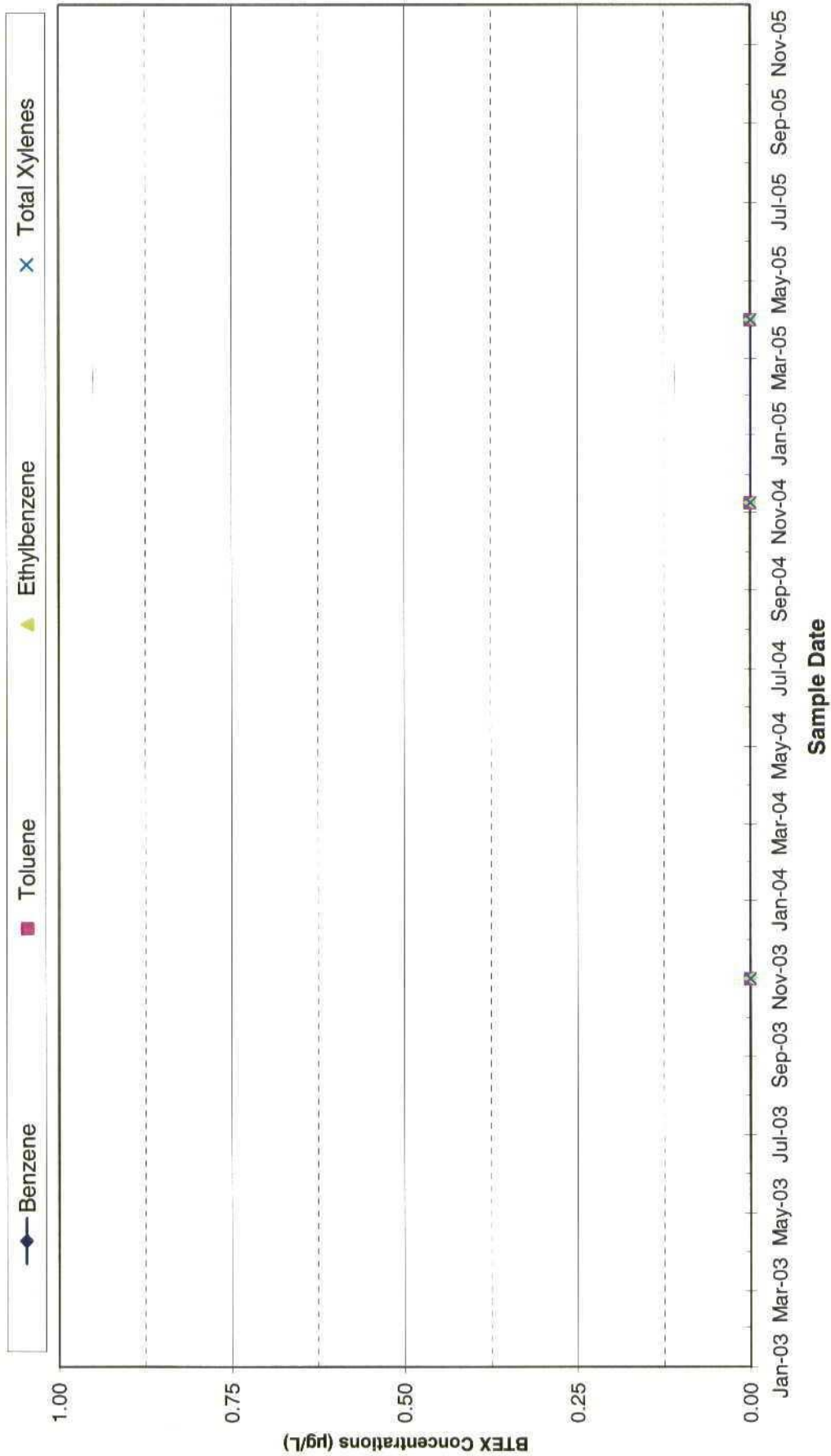


Figure 21: BTEX Concentrations in the Klein Irrigation Well, from 1-23-04 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

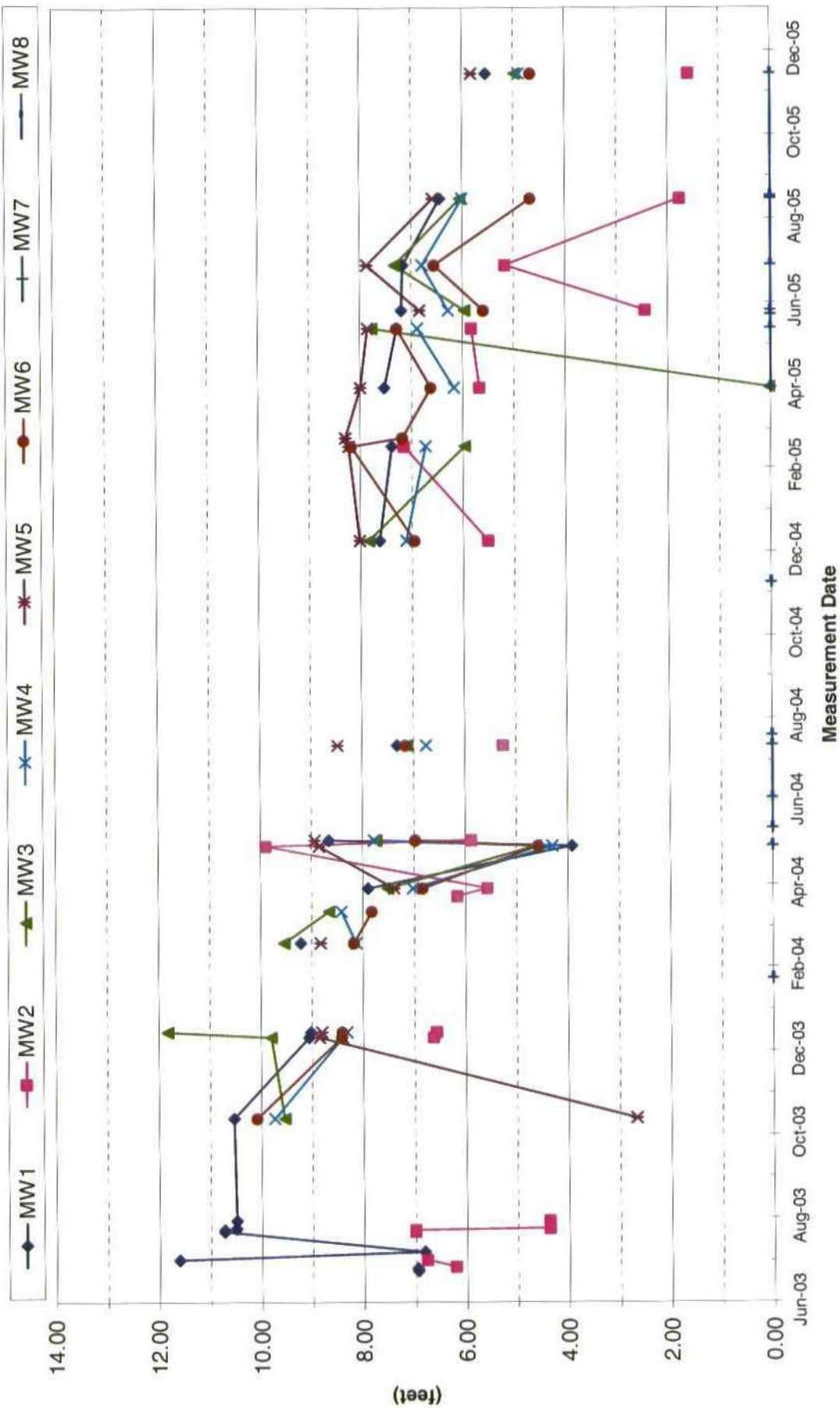


Figure 22: PSH Thickness in Groundwater Monitoring Wells MW-1 through MW-8, 6-23-03 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

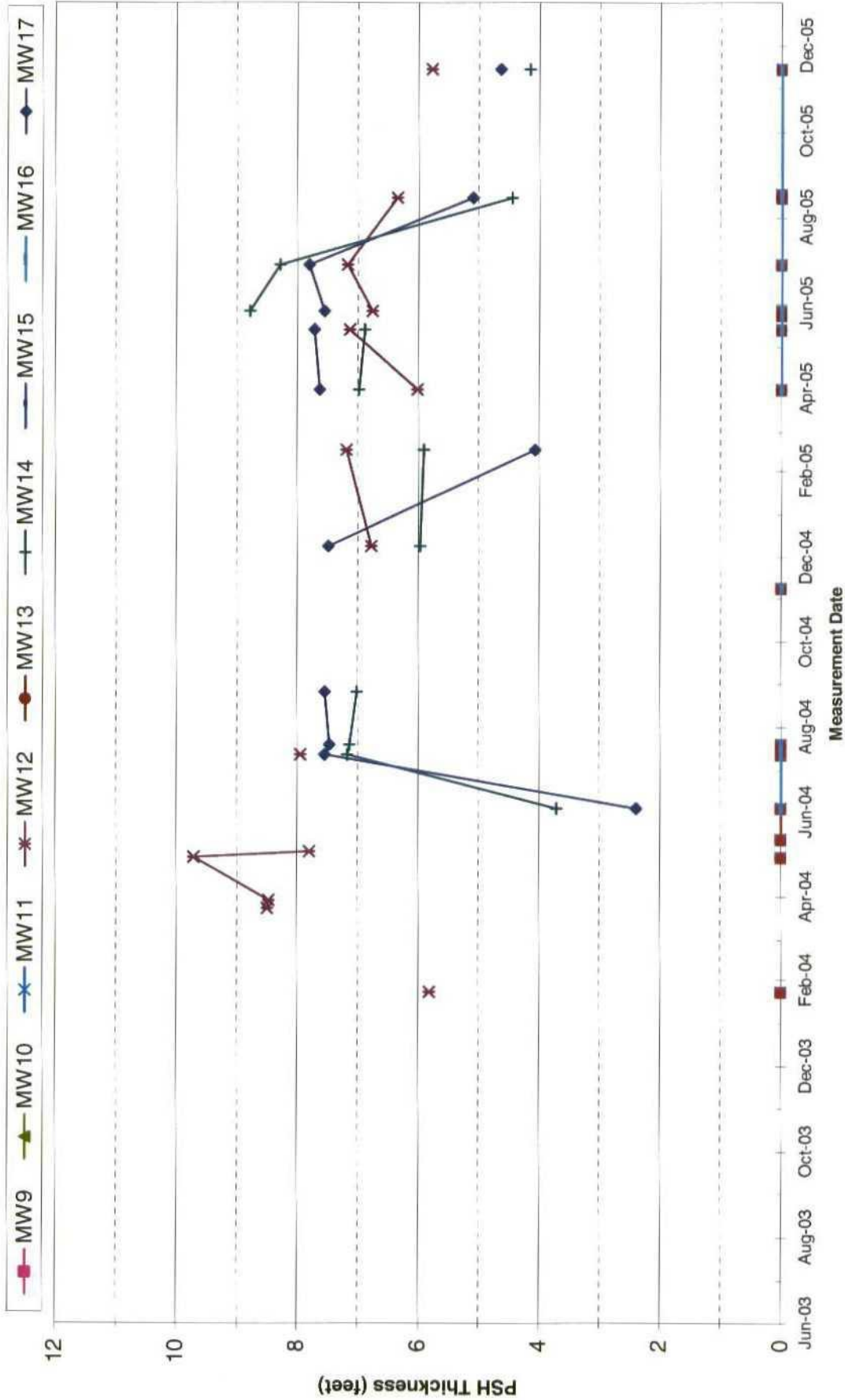


Figure 23: PSH Thickness in Groundwater Monitoring Wells MW-9 through MW-17, 6-23-03 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

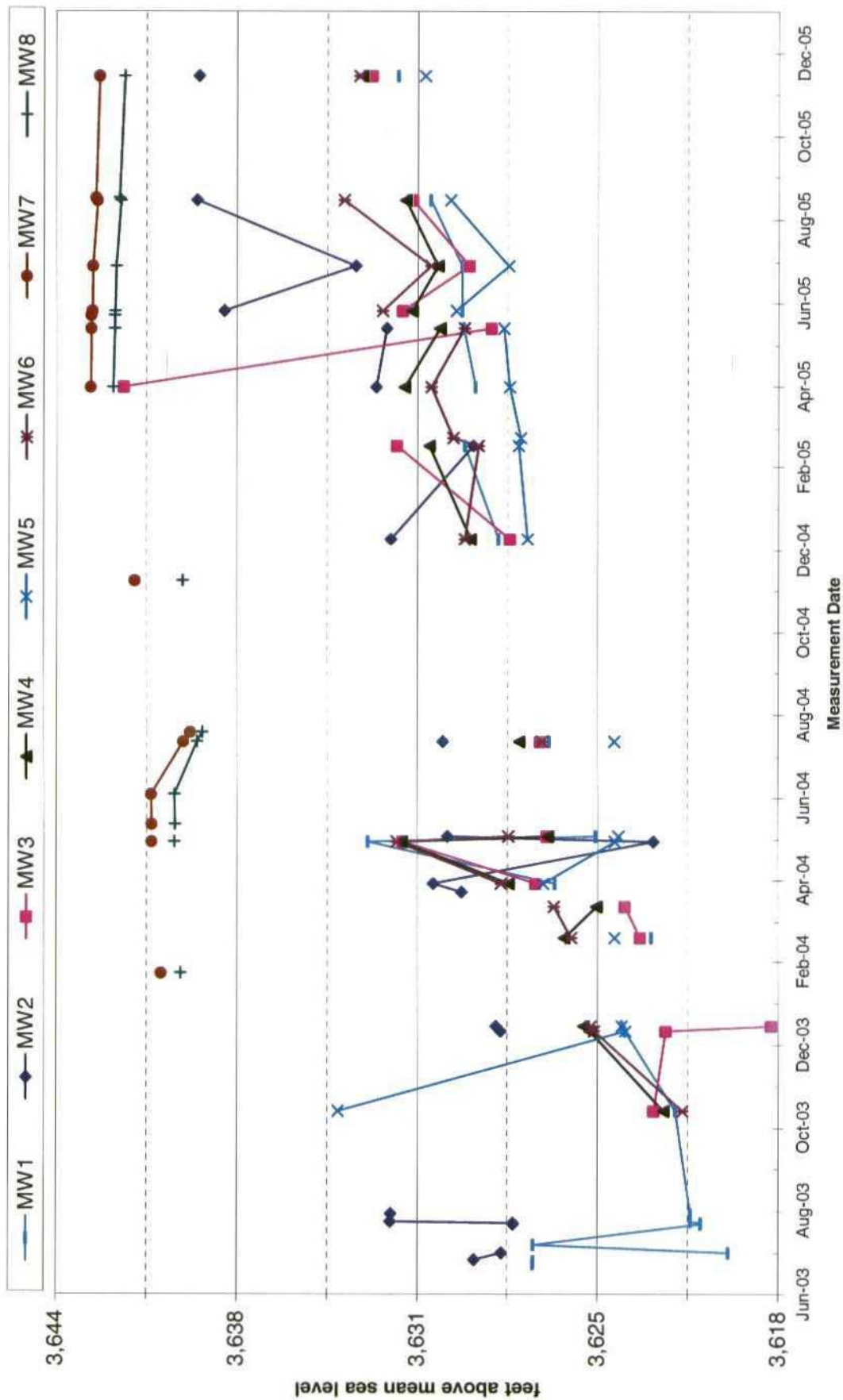


Figure 24: Hydrograph for Groundwater Monitoring Wells MW-1 through MW-8, 6-23-03 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico

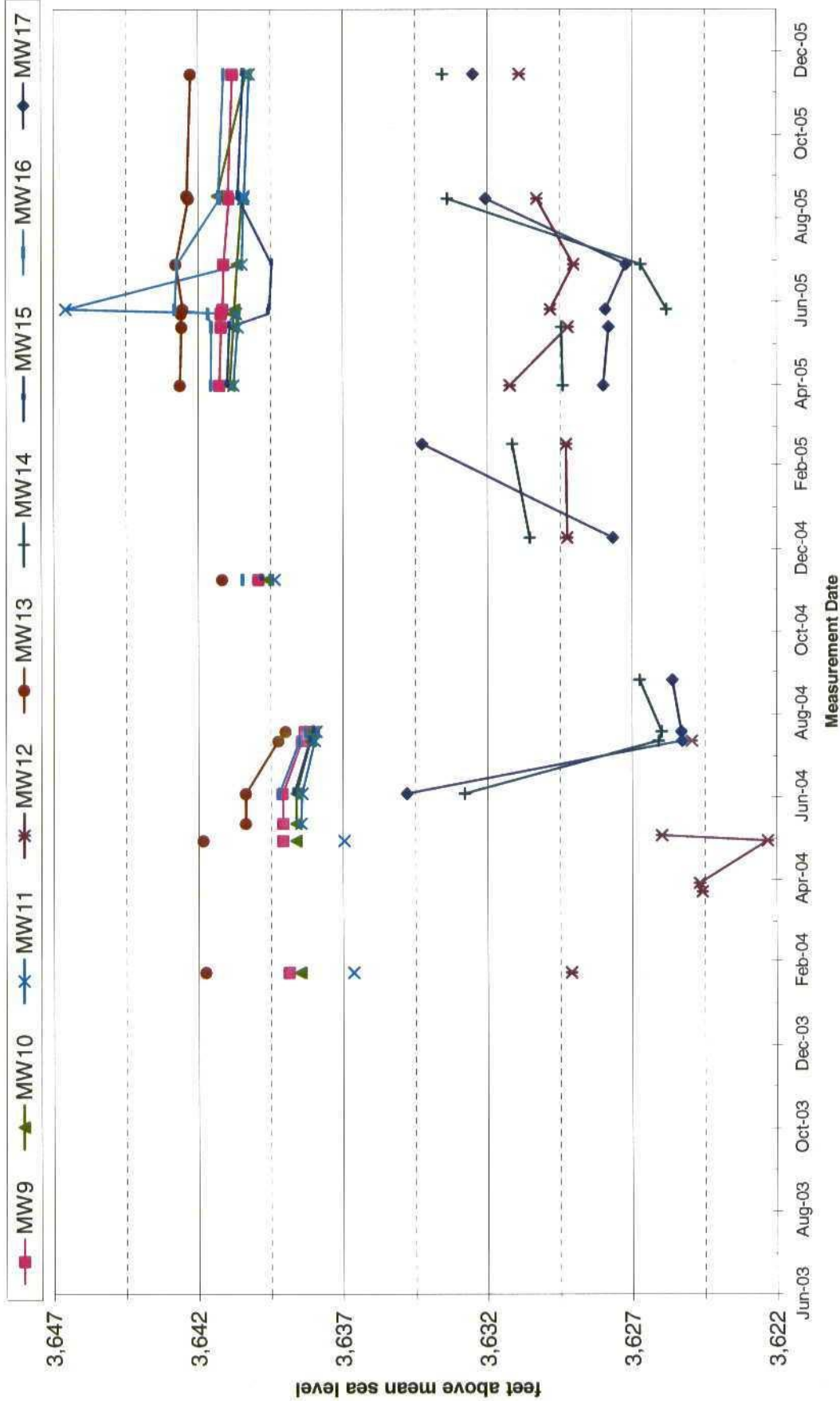
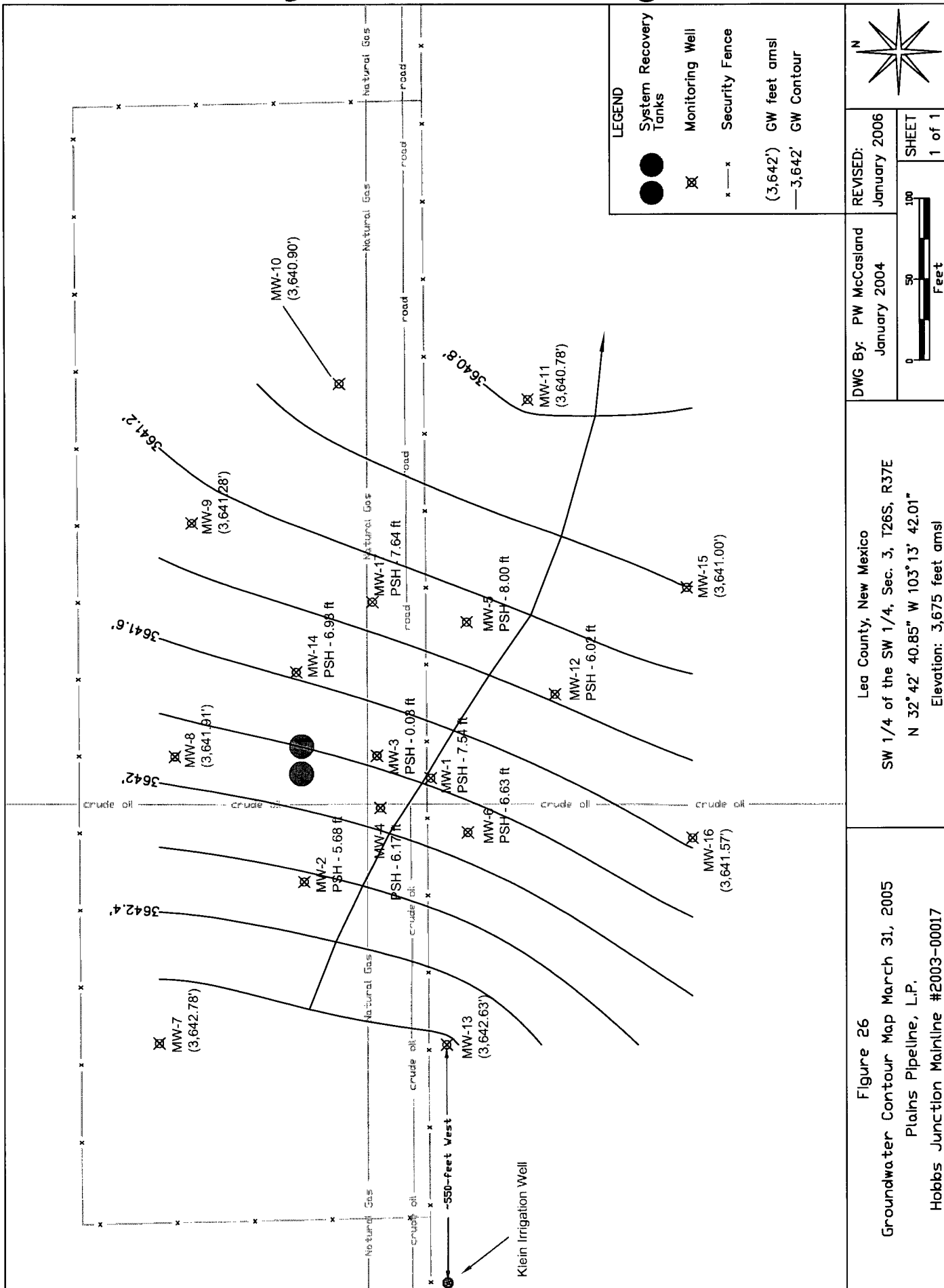


Figure 25: Hydrograph for Groundwater Monitoring Wells MW-9 through MW-17, 6-23-03 to 12-31-05, Plains Pipeline, L.P., Hobbs Junction Mainline (ref. #2003-00017), Lea County, New Mexico



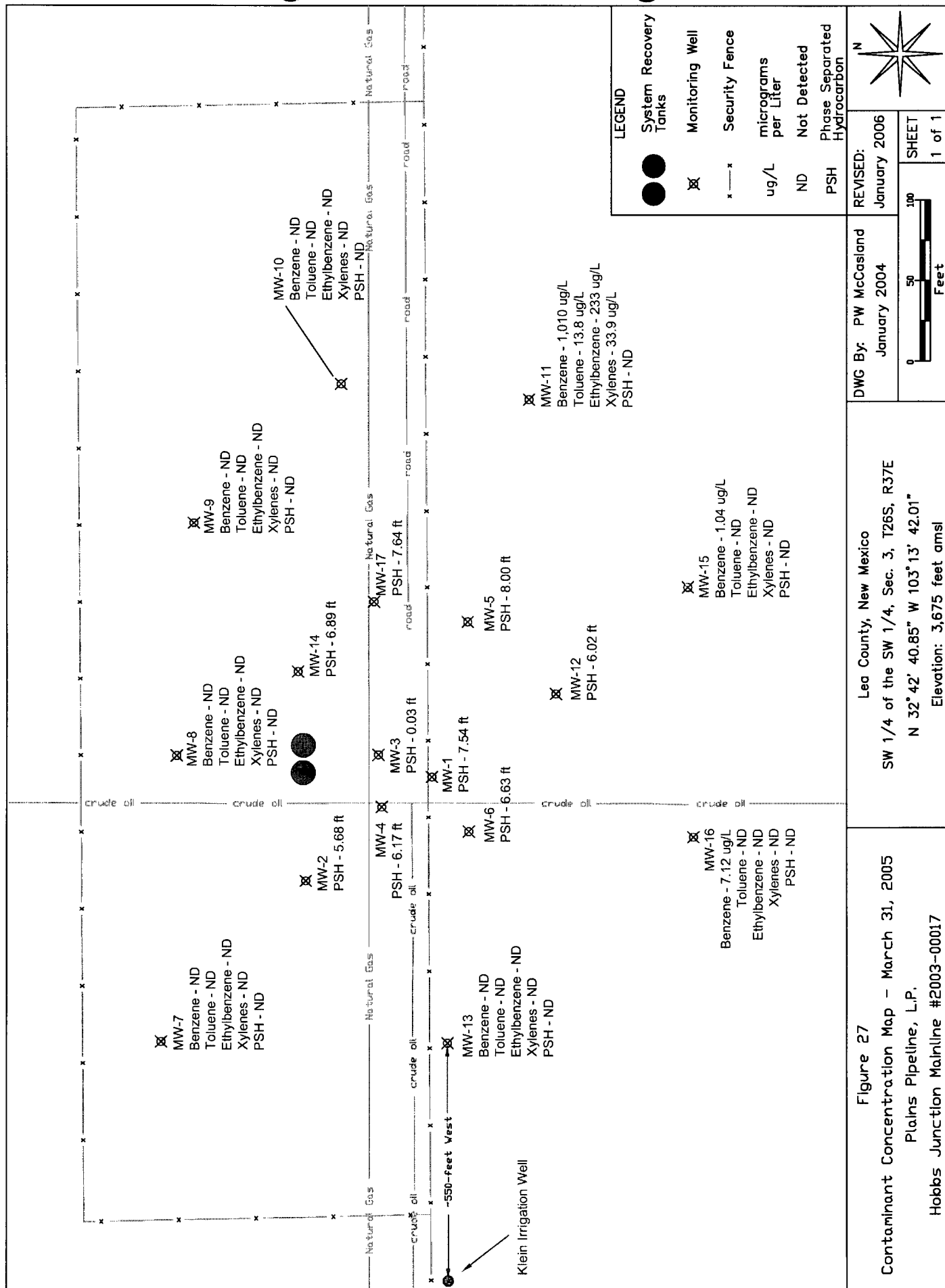


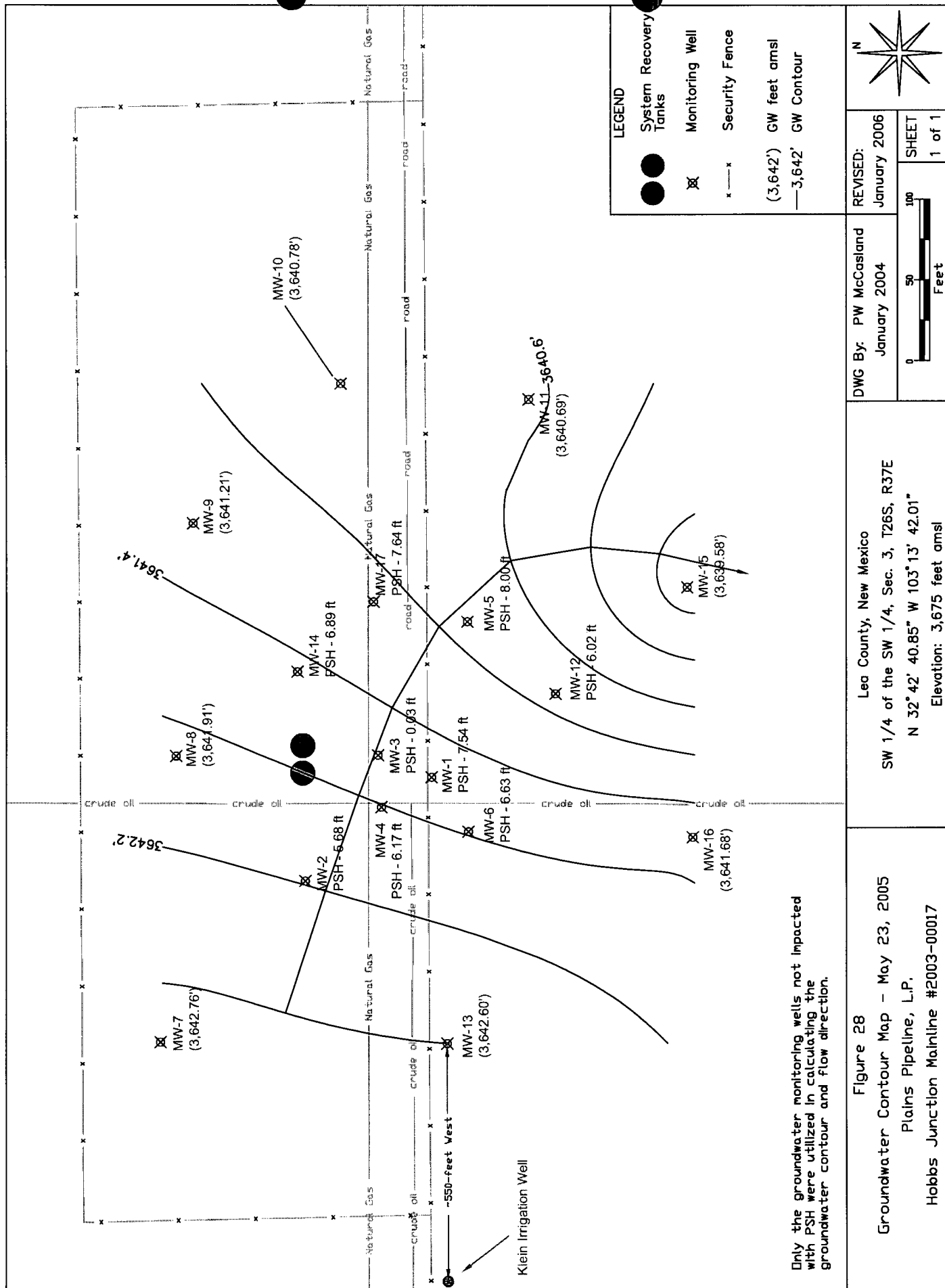
Figure 27

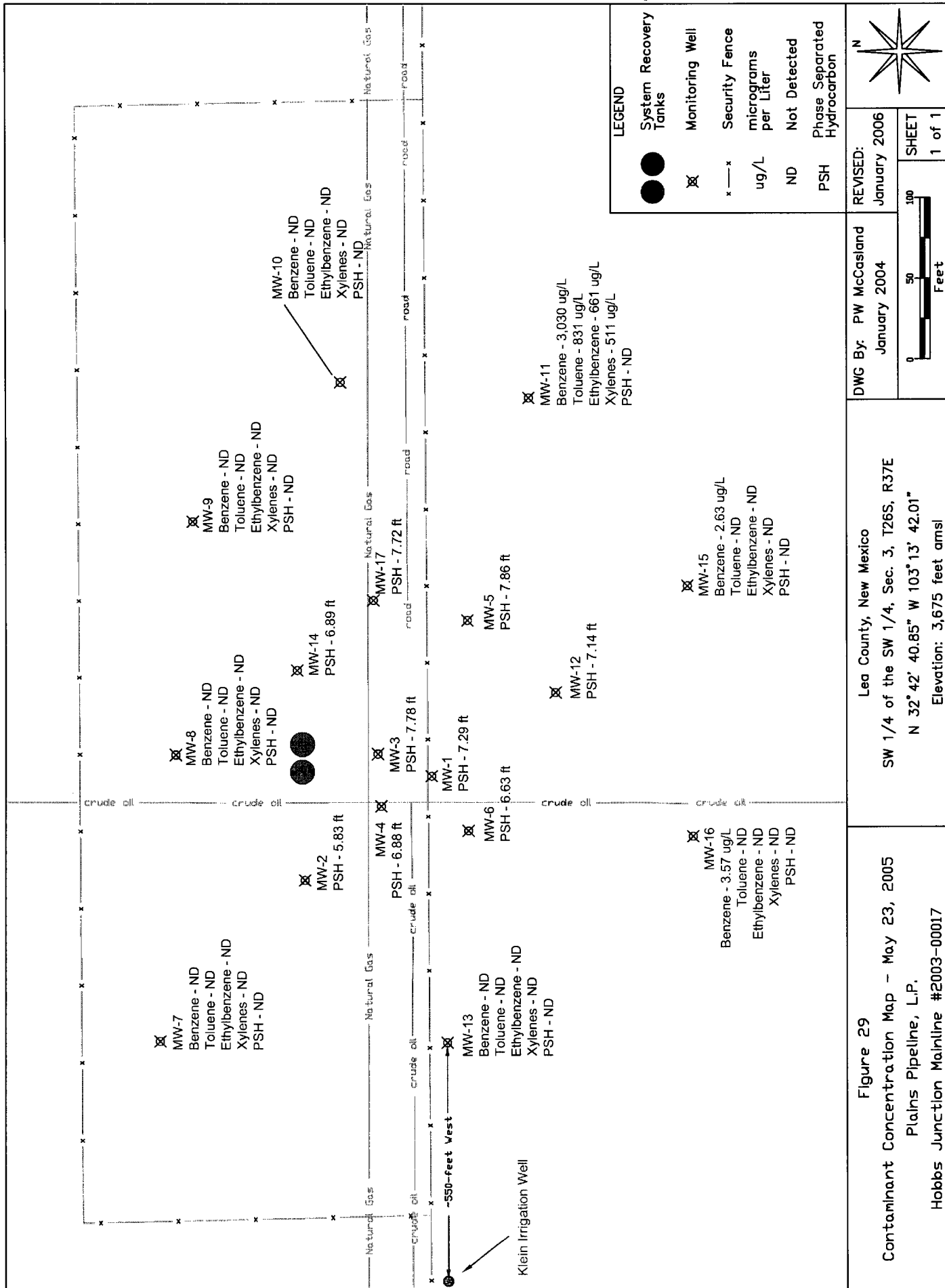
Contaminant Concentration Map - March 31, 2005
 Plains Pipeline, L.P.
 Hobbs Junction Mainline #2003-00017

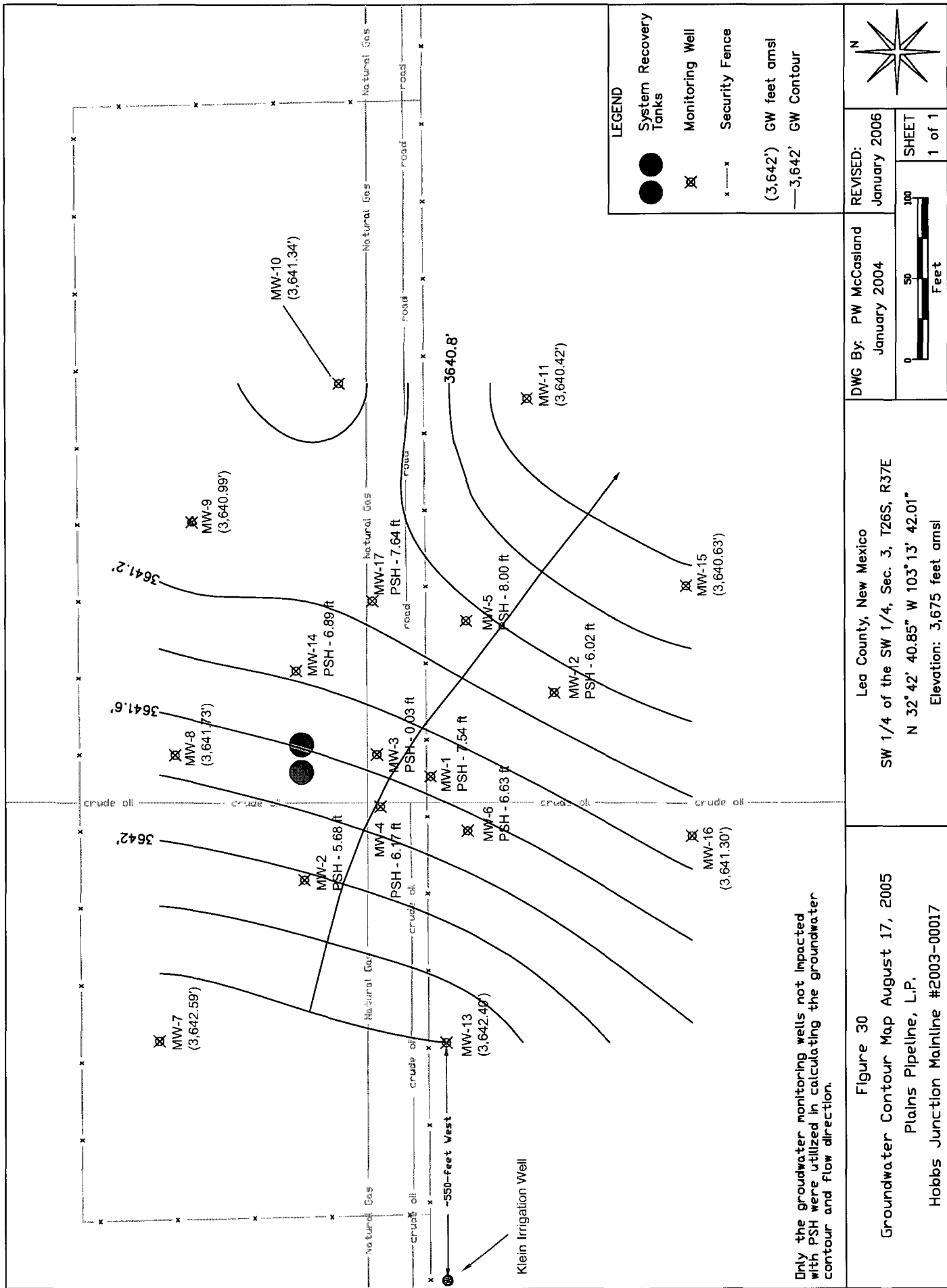
Lea County, New Mexico
 SW 1/4 of the SW 1/4, Sec. 3, T26S, R37E
 N 32° 42' 40.85" W 103° 13' 42.01"
 Elevation: 3,675 feet amsl

DWG By: PW McCasland
 January 2004

REVIS: January 2006
 SHEET 1 of 1







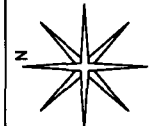
Only the groundwater monitoring wells not impacted with PSH were utilized in calculating the groundwater contour and flow direction.

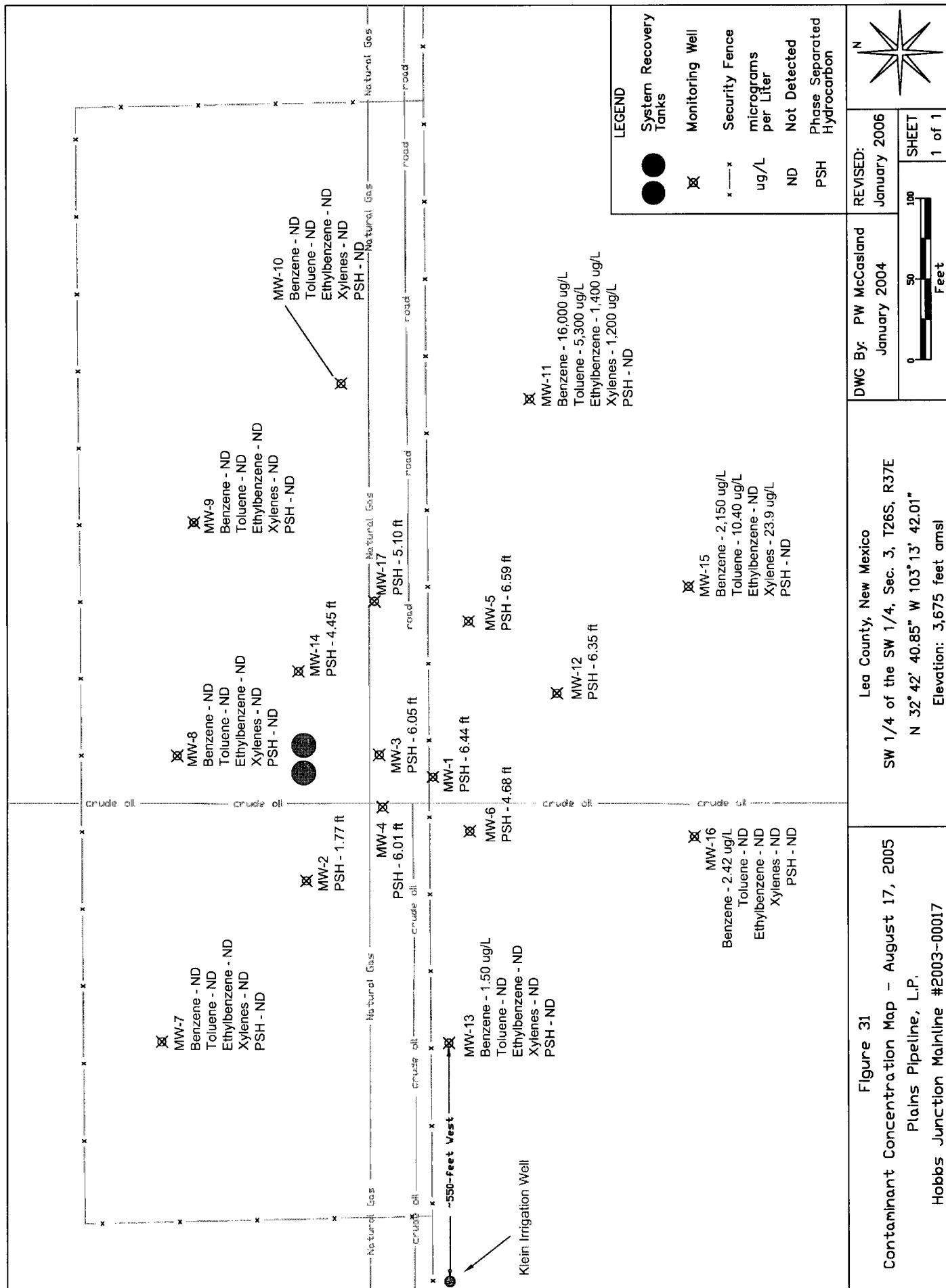
Figure 30
Groundwater Contour Map August 17, 2005
Plains Pipeline, L.P.
Hobbs Junction Mainline #2003-00017

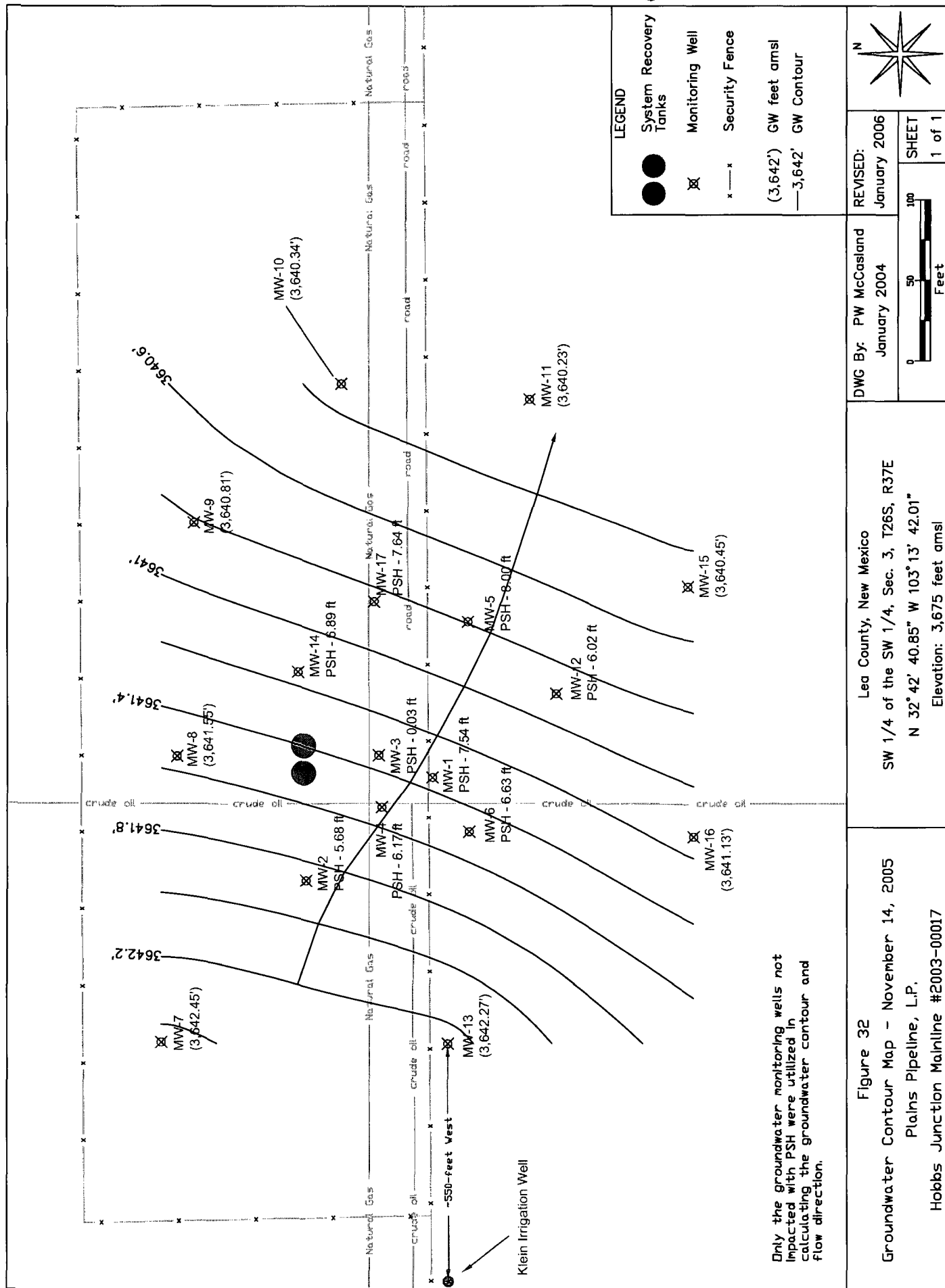
Lea County, New Mexico
SW 1/4 of the SW 1/4, Sec. 3, T26S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl

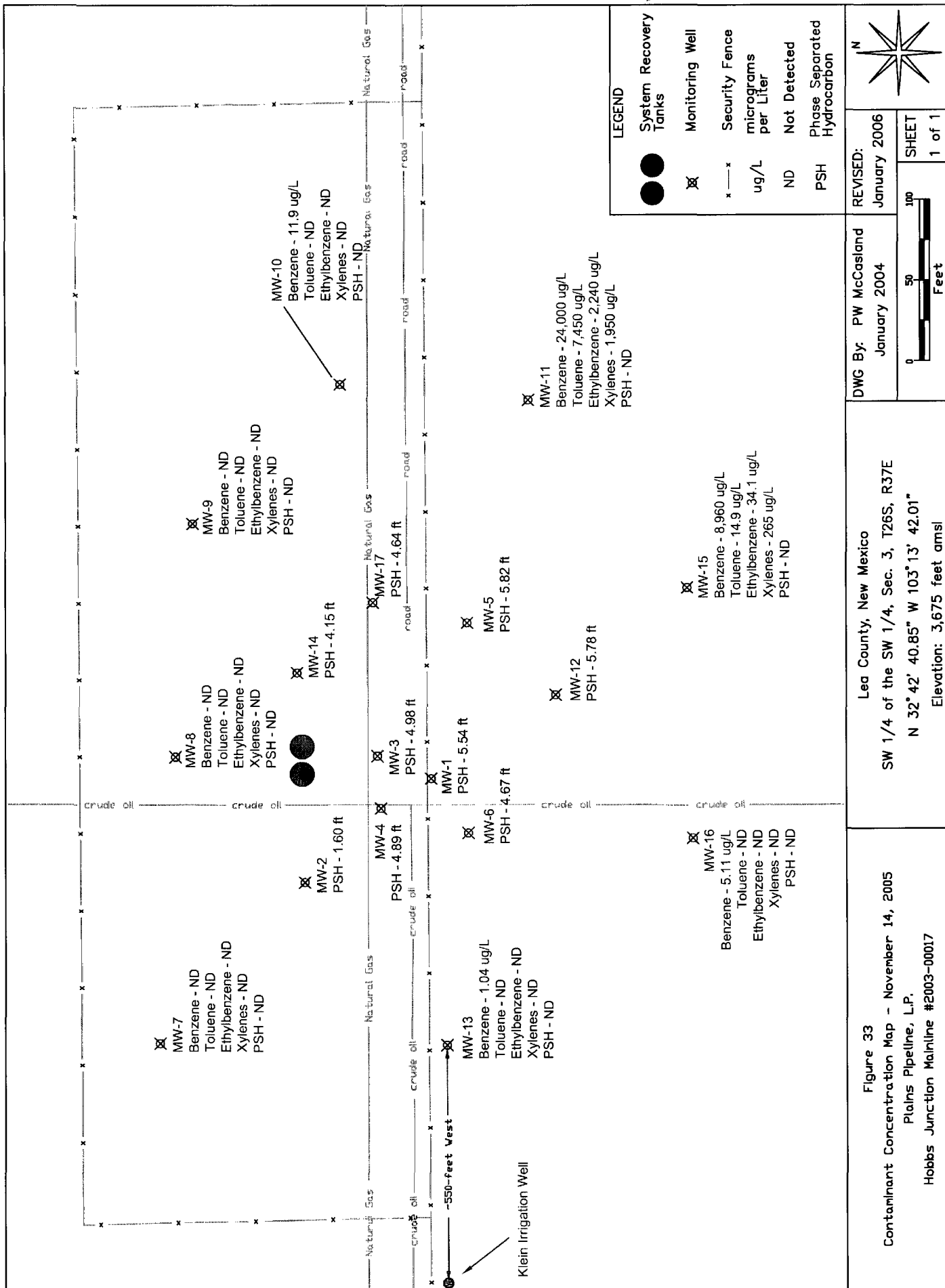
DWG By: PW McCasland
January 2004
REVISED: January 2006
SHEET 1 of 1

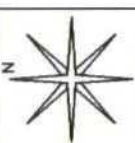
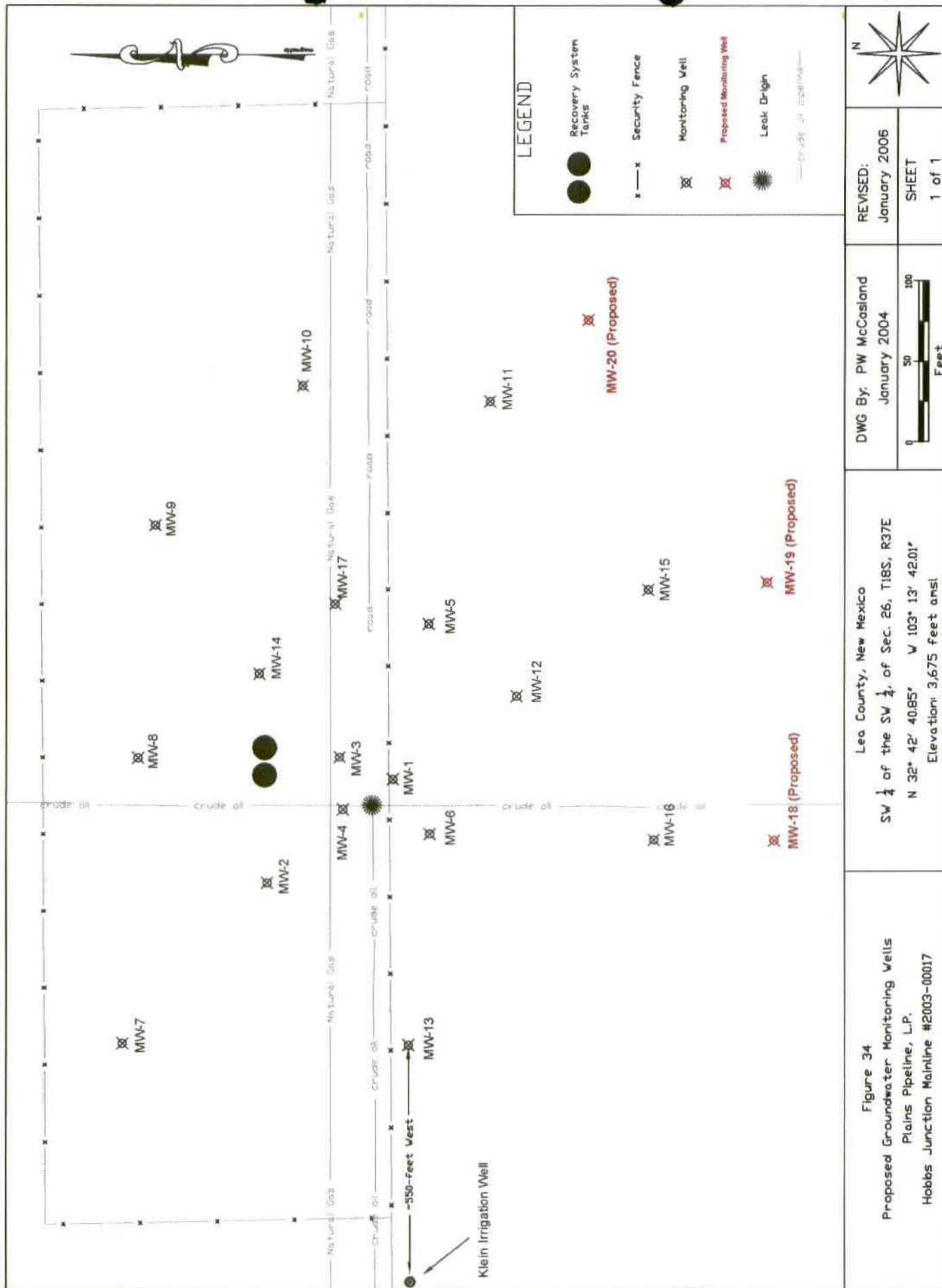
LEGEND
● System Recovery Tanks
⊗ Monitoring Well
x Security Fence
(3,642') GW feet amsl
— 3,642' GW Contour











REVISED:
January 2006

DWG By: PW McCasland
January 2004

Lea County, New Mexico
SW 1/4 of the SW 1/4 of Sec. 26, T18S, R37E
N 32° 42' 40.85" W 103° 13' 42.01"
Elevation: 3,675 feet amsl

SHEET
1 of 1



TABLES

Table 1
Plains Pipeline, L.P.
Hobbs Junction Mainline - Ref. #2003-00017
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness

Monitoring Well #	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	Corrected Groundwater Elevation* (feet-amsl)	PSH Thickness (feet)
MW-1	23-Jun-03	3,678.50	38.49	45.43	3,626.82	6.94
	25-Jun-03		38.48	45.43	3,626.82	6.95
	1-Jul-03		36.64	48.25	3,619.80	11.61
	7-Jul-03		38.73	45.55	3,626.81	6.82
	22-Jul-03		37.32	48.05	3,620.79	10.73
	23-Jul-03		37.33	48.06	3,620.78	10.73
	24-Jul-03		37.40	47.90	3,621.15	10.50
	30-Jul-03		37.41	47.90	3,621.16	10.49
	13-Oct-03		36.81	47.34	3,621.68	10.53
	11-Dec-03		37.79	46.85	3,623.50	9.06
	15-Dec-03		37.75	46.77	3,623.61	9.02
	18-Feb-04		38.42	47.64	3,622.56	9.22
	29-Mar-04		37.45	45.35	3,626.04	7.90
	29-Apr-04		38.26	42.18	3,632.79	3.92
	3-May-04		37.44	46.11	3,624.59	8.67
	12-Jul-04		38.34	45.66	3,626.25	7.32
	9-Dec-04		35.90	43.54	3,628.08	7.64
	16-Feb-05		35.15	42.54	3,629.31	7.39
	31-Mar-05		35.27	42.81	3,628.90	7.54
	13-May-05		35.31	42.60	3,629.34	7.29
	26-May-05		35.41	42.61	3,629.41	7.20
	28-Jun-05		35.48	42.65	3,629.40	7.17
	15-Aug-05		35.72	42.16	3,630.54	6.44
	14-Nov-05		36.26	41.80	3,631.71	5.54
MW-2	26-Jun-03	3,679.47	38.72	44.93	3,628.95	6.21
	1-Jul-03		38.65	45.42	3,627.96	6.77
	22-Jul-03		38.63	45.63	3,627.54	7.00
	23-Jul-03		38.64	45.63	3,627.55	6.99
	24-Jul-03		39.20	43.57	3,631.97	4.37
	30-Jul-03		39.21	43.58	3,631.96	4.37
	11-Dec-03		38.88	45.51	3,627.99	6.63
	15-Dec-03		38.84	45.41	3,628.15	6.57
	23-Mar-04		38.36	44.52	3,629.41	6.16
	29-Mar-04		38.47	44.04	3,630.42	5.57
	29-Apr-04		38.16	48.06	3,622.50	9.90
	3-May-04		38.39	44.27	3,629.91	5.88
	12-Jul-04		39.42	44.67	3,630.08	5.25
	9-Dec-04		37.00	42.52	3,631.98	5.52
	16-Feb-05		36.87	44.03	3,629.00	7.16
	31-Mar-05		36.17	41.85	3,632.51	5.68
	13-May-05		36.27	42.10	3,632.12	5.83
	26-May-05		36.84	39.29	3,637.98	2.45
	28-Jun-05		36.39	41.57	3,633.24	5.18
	15-Aug-05		37.15	38.92	3,638.96	1.77
	14-Nov-05		37.56	39.16	3,638.87	1.60

Table 1
Plains Pipeline, L.P.
Hobbs Junction Mainline - Ref. #2003-00017
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness

Monitoring Well #	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	Corrected Groundwater Elevation* (feet-amsl)	PSH Thickness (feet)
MW-3	13-Oct-03	3,679.81	39.21	48.75	3,622.47	9.54
	11-Dec-03		39.15	48.95	3,622.04	9.80
	15-Dec-03		39.08	50.91	3,618.25	11.83
	18-Feb-04		38.72	48.26	3,622.96	9.54
	12-Mar-04		39.82	48.49	3,623.52	8.67
	29-Mar-04		38.81	46.32	3,626.73	7.51
	29-Apr-04		39.49	44.11	3,631.54	4.62
	3-May-04		38.77	46.51	3,626.33	7.74
	12-Jul-04		39.68	46.81	3,626.58	7.13
	9-Dec-04		37.21	45.06	3,627.69	7.85
	16-Feb-05		36.70	42.67	3,631.77	5.97
	31-Mar-05		38.17	38.20	3,641.58	0.03
	13-May-05		36.67	44.45	3,628.36	7.78
	26-May-05		36.92	42.88	3,631.57	5.96
	28-Jun-05		36.72	44.05	3,629.16	7.33
	15-Aug-05		37.12	43.17	3,631.20	6.05
	14-Nov-05		37.69	42.67	3,632.66	4.98
MW-4	13-Oct-03	3,679.64	39.01	48.75	3,622.12	9.74
	11-Dec-03		38.92	47.32	3,624.76	8.40
	15-Dec-03		38.84	47.16	3,624.99	8.32
	18-Feb-04		38.48	46.62	3,625.69	8.14
	12-Mar-04		39.09	47.51	3,624.55	8.42
	29-Mar-04		38.59	45.62	3,627.69	7.03
	29-Apr-04		39.94	44.23	3,631.55	4.29
	3-May-04		38.55	46.33	3,626.31	7.78
	12-Jul-04		39.49	46.24	3,627.33	6.75
	9-Dec-04		37.03	44.15	3,629.08	7.12
	16-Feb-05		36.28	43.01	3,630.57	6.73
	31-Mar-05		36.45	42.62	3,631.47	6.17
	13-May-05		36.37	43.25	3,630.20	6.88
	26-May-05		36.51	42.79	3,631.20	6.28
	28-Jun-05		36.47	43.26	3,630.27	6.79
	15-Aug-05		36.79	42.80	3,631.43	6.01
	14-Nov-05		37.35	42.24	3,633.00	4.89
MW-5	13-Oct-03	3,679.26	40.35	43.02	3,633.84	2.67
	11-Dec-03		38.95	47.81	3,623.48	8.86
	15-Dec-03		38.91	47.72	3,623.61	8.81
	18-Feb-04		38.61	47.44	3,623.87	8.83
	29-Mar-04		38.76	46.15	3,626.46	7.39
	29-Apr-04		38.55	47.41	3,623.88	8.86
	3-May-04		38.52	47.46	3,623.75	8.94
	12-Jul-04		39.24	47.72	3,623.91	8.48
	9-Dec-04		36.99	45.01	3,627.03	8.02
	16-Feb-05		36.24	44.48	3,627.36	8.24
	22-Feb-05		36.20	44.50	3,627.29	8.30
	31-Mar-05		36.38	44.38	3,627.68	8.00
	13-May-05		36.43	44.29	3,627.90	7.86
	26-May-05		36.66	43.50	3,629.60	6.84
	28-Jun-05		36.58	44.45	3,627.73	7.87
	15-Aug-05		36.93	43.52	3,629.81	6.59
	14-Nov-05		37.45	43.27	3,630.75	5.82

Table 1
Plains Pipeline, L.P.
Hobbs Junction Mainline - Ref. #2003-00017
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness

Monitoring Well #	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	Corrected Groundwater Elevation* (feet-amsl)	PSH Thickness (feet)
MW-6	13-Oct-03	3,680.63	40.04	50.12	3,621.44	10.08
	11-Dec-03		40.01	48.43	3,624.62	8.42
	15-Dec-03		39.92	48.33	3,624.73	8.41
	18-Feb-04		39.63	47.81	3,625.46	8.18
	12-Mar-04		39.68	47.51	3,626.07	7.83
	29-Mar-04		39.67	46.50	3,627.98	6.83
	29-Apr-04		40.18	44.76	3,631.75	4.58
	3-May-04		39.66	46.63	3,627.73	6.97
	12-Jul-04		40.52	47.68	3,626.51	7.16
	9-Dec-04		38.11	45.06	3,629.32	6.95
	16-Feb-05		36.25	44.44	3,628.82	8.19
	22-Feb-05		37.25	44.44	3,629.72	7.19
	31-Mar-05		37.52	44.15	3,630.51	6.63
	13-May-05		37.46	44.75	3,629.32	7.29
	26-May-05		37.71	43.31	3,632.28	5.60
	28-Jun-05		37.62	44.18	3,630.55	6.56
	15-Aug-05		38.09	42.77	3,633.65	4.68
	14-Nov-05		38.64	43.31	3,633.12	4.67
MW-7	23-Jan-04	3,679.85	nd	39.64	3,640.21	na
	29-Apr-04		nd	39.29	3,640.56	na
	12-May-04		nd	39.29	3,640.56	na
	3-Jun-04		nd	39.27	3,640.58	na
	12-Jul-04		nd	40.42	3,639.43	na
	19-Jul-04		nd	40.68	3,639.17	na
	8-Nov-04		nd	38.66	3,641.19	na
	31-Mar-05		nd	37.07	3,642.78	na
	13-May-05		nd	37.10	3,642.75	na
	23-May-05		nd	37.09	3,642.76	na
	26-May-05		nd	37.13	3,642.72	na
	28-Jun-05		nd	37.16	3,642.69	na
	15-Aug-05		nd	37.32	3,642.53	na
	17-Aug-05		nd	37.26	3,642.59	na
	14-Nov-05		nd	37.40	3,642.45	na
MW-8	23-Jan-04	3,679.07	nd	39.56	3,639.51	na
	29-Apr-04		nd	39.33	3,639.74	na
	12-May-04		nd	39.34	3,639.73	na
	3-Jun-04		nd	39.32	3,639.75	na
	12-Jul-04		nd	40.13	3,638.94	na
	19-Jul-04		nd	40.32	3,638.75	na
	8-Nov-04		nd	39.60	3,639.47	na
	31-Mar-05		nd	37.11	3,641.96	na
	13-May-05		nd	37.16	3,641.91	na
	23-May-05		nd	37.16	3,641.91	na
	26-May-05		nd	37.19	3,641.88	na
	28-Jun-05		nd	37.23	3,641.84	na
	15-Aug-05		nd	37.40	3,641.67	na
	17-Aug-05		nd	37.34	3,641.73	na
	14-Nov-05		nd	37.52	3,641.55	na

Table 1
Plains Pipeline, L.P.
Hobbs Junction Mainline - Ref. #2003-00017
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness

Monitoring Well #	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	Corrected Groundwater Elevation* (feet-amsl)	PSH Thickness (feet)
MW-9	23-Jan-04	3,678.76	nd	39.91	3,638.85	na
	29-Apr-04		nd	39.68	3,639.08	na
	12-May-04		nd	39.69	3,639.07	na
	3-Jun-04		nd	39.67	3,639.09	na
	12-Jul-04		nd	40.34	3,638.42	na
	19-Jul-04		nd	40.44	3,638.32	na
	8-Nov-04		nd	38.84	3,639.92	na
	31-Mar-05		nd	37.48	3,641.28	na
	13-May-05		nd	37.54	3,641.22	na
	23-May-05		nd	37.55	3,641.21	na
	26-May-05		nd	37.59	3,641.17	na
	28-Jun-05		nd	37.64	3,641.12	na
	15-Aug-05		nd	37.82	3,640.94	na
	17-Aug-05		nd	37.77	3,640.99	na
	14-Nov-05		nd	37.95	3,640.81	na
MW-10	23-Jan-04	3,678.36	nd	39.89	3,638.47	na
	29-Apr-04		nd	39.74	3,638.62	na
	12-May-04		nd	39.74	3,638.62	na
	3-Jun-04		nd	39.74	3,638.62	na
	12-Jul-04		nd	40.24	3,638.12	na
	19-Jul-04		nd	40.33	3,638.03	na
	8-Nov-04		nd	38.76	3,639.60	na
	31-Mar-05		nd	37.46	3,640.90	na
	13-May-05		nd	37.58	3,640.78	na
	23-May-05		nd	37.58	3,640.78	na
	26-May-05		nd	37.62	3,640.74	na
	28-Jun-05		nd	37.70	3,640.66	na
	15-Aug-05		nd	37.87	3,640.49	na
	17-Aug-05		nd	37.02	3,641.34	na
	14-Nov-05		nd	38.02	3,640.34	na
MW-11	23-Jan-04	3,678.03	nd	41.40	3,636.63	na
	29-Apr-04		nd	41.07	3,636.96	na
	12-May-04		nd	39.57	3,638.46	na
	3-Jun-04		nd	39.61	3,638.42	na
	12-Jul-04		nd	40.04	3,637.99	na
	19-Jul-04		nd	40.10	3,637.93	na
	8-Nov-04		nd	38.66	3,639.37	na
	31-Mar-05		nd	37.25	3,640.78	na
	13-May-05		nd	37.40	3,640.63	na
	23-May-05		nd	37.34	3,640.69	na
	26-May-05		nd	31.45	3,646.58	na
	28-Jun-05		nd	37.54	3,640.49	na
	15-Aug-05		nd	37.60	3,640.43	na
	17-Aug-05		nd	37.61	3,640.42	na
	14-Nov-05		nd	37.80	3,640.23	na

Table 1
 Plains Pipeline, L.P.
 Hobbs Junction Mainline - Ref. #2003-00017
 Groundwater Elevations and
 Phase Separated Hydrocarbon (PSH) Thickness

Monitoring Well #	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	Corrected Groundwater Elevation* (feet-amsl)	PSH Thickness (feet)
MW-12	23-Jan-04	3,679.63	39.49	45.30	3,629.10	5.81
	23-Mar-04		38.89	47.39	3,624.59	8.50
	29-Mar-04		38.86	47.33	3,624.68	8.47
	29-Apr-04		38.86	48.57	3,622.32	9.71
	3-May-04		38.83	46.63	3,625.98	7.80
	12-Jul-04		39.58	47.53	3,624.95	7.95
	9-Dec-04		37.50	44.28	3,629.25	6.78
	16-Feb-05		36.68	43.87	3,629.29	7.19
	31-Mar-05		36.95	42.97	3,631.24	6.02
	13-May-05		36.83	43.97	3,629.23	7.14
	26-May-05		36.95	43.71	3,629.84	6.76
	28-Jun-05		36.97	44.14	3,629.04	7.17
	15-Aug-05		37.25	43.60	3,630.32	6.35
	14-Nov-05		37.73	43.51	3,630.92	5.78
MW-13	23-Jan-04	3,681.42	nd	39.67	3,641.75	na
	29-Apr-04		nd	39.58	3,641.84	na
	12-May-04		nd	41.05	3,640.37	na
	3-Jun-04		nd	41.05	3,640.37	na
	12-Jul-04		nd	42.18	3,639.24	na
	19-Jul-04		nd	42.44	3,638.98	na
	8-Nov-04		nd	40.24	3,641.18	na
	31-Mar-05		nd	38.79	3,642.63	na
	13-May-05		nd	38.83	3,642.59	na
	23-May-05		nd	38.82	3,642.60	na
	26-May-05		nd	38.87	3,642.55	na
	28-Jun-05		nd	38.63	3,642.79	na
	15-Aug-05		nd	39.07	3,642.35	na
	17-Aug-05		nd	39.02	3,642.40	na
	14-Nov-05		nd	39.15	3,642.27	na
MW-14	3-Jun-04	3,679.00	39.16	42.87	3,632.79	3.71
	12-Jul-04		39.29	46.46	3,626.09	7.17
	19-Jul-04		39.45	46.59	3,625.98	7.14
	26-Aug-04		38.92	45.94	3,626.74	7.02
	9-Dec-04		37.11	43.08	3,630.55	5.97
	16-Feb-05		36.62	42.53	3,631.15	5.91
	31-Mar-05		36.34	43.32	3,629.40	6.98
	13-May-05		36.45	43.34	3,629.46	6.89
	26-May-05		36.48	45.27	3,625.82	8.79
	28-Jun-05		36.54	44.83	3,626.71	8.29
	15-Aug-05		37.14	41.59	3,633.41	4.45
	14-Nov-05		37.55	41.70	3,633.57	4.15

Table 1
Plains Pipeline, L.P.
Hobbs Junction Mainline - Ref. #2003-00017
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness

Monitoring Well #	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	Corrected Groundwater Elevation* (feet-amsl)	PSH Thickness (feet)
MW-15	3-Jun-04	3,674.92	nd	36.22	3,638.70	na
	12-Jul-04		nd	36.77	3,638.15	na
	19-Jul-04		nd	36.90	3,638.02	na
	8-Nov-04		nd	35.10	3,639.82	na
	31-Mar-05		nd	33.92	3,641.00	na
	13-May-05		nd	34.00	3,640.92	na
	23-May-05		nd	35.34	3,639.58	na
	26-May-05		nd	35.38	3,639.54	na
	28-Jun-05		nd	35.46	3,639.46	na
	15-Aug-05		nd	34.32	3,640.60	na
	17-Aug-05		nd	34.29	3,640.63	na
	14-Nov-05		nd	34.47	3,640.45	na
MW-16	3-Jun-04	3,676.86	nd	37.66	3,639.20	na
	12-Jul-04		nd	38.35	3,638.51	na
	19-Jul-04		nd	38.57	3,638.29	na
	8-Nov-04		nd	36.38	3,640.48	na
	31-Mar-05		nd	35.29	3,641.57	na
	13-May-05		nd	35.31	3,641.55	na
	23-May-05		nd	35.18	3,641.68	na
	26-May-05		nd	34.04	3,642.82	na
	28-Jun-05		nd	34.11	3,642.75	na
	15-Aug-05		nd	35.61	3,641.25	na
	17-Aug-05		nd	35.56	3,641.30	na
	14-Nov-05		nd	35.73	3,641.13	na
MW-17	3-Jun-04	3,679.01	39.66	42.05	3,634.81	2.39
	12-Jul-04		39.39	46.94	3,625.28	7.55
	19-Jul-04		39.50	46.97	3,625.32	7.47
	26-Aug-04		39.04	46.59	3,625.63	7.55
	9-Dec-04		37.11	44.60	3,627.67	7.49
	16-Feb-05		37.00	41.07	3,634.28	4.07
	31-Mar-05		36.49	44.13	3,628.00	7.64
	13-May-05		36.52	44.24	3,627.82	7.72
	26-May-05		36.72	44.28	3,627.93	7.56
	28-Jun-05		36.95	44.76	3,627.22	7.81
	15-Aug-05		37.25	42.35	3,632.07	5.10
	14-Nov-05		37.69	42.33	3,632.50	4.64
Klein Irrigation Well	10/31/2003	Well sampled but groundwater depth not measured.				
	11/8/2004	Well sampled but groundwater depth not measured.				
	3/31/2005	Well sampled but groundwater depth not measured.				

PSH - Phase Separated Hydrocarbons

amsl - above mean sea level

btoc - below top of casing

na - not applicable

nd - not detected

Yellow highlight indicates a 2005 sampling event.

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

Table 2
Plains Pipeline, L.P.
Hobbs Junction Mainline #2003-00017
Phase Separated Hydrocarbon (PSH) Declination Table

Monitoring Well #	Period	Average PSH Thickness	Yearly Decline	Cumulative Decline
		feet	feet	feet
MW-1	2003	9.40	na	-2.46
	2004	7.45	-1.95	
	2005	6.94	-0.51	
MW-2	2003	6.39	na	-2.15
	2004	6.38	-0.01	
	2005	4.24	-2.14	
MW-3	2003	10.39	na	-4.95
	2004	7.58	-2.81	
	2005	5.44	-2.14	
MW-4	2003	8.82	na	-2.57
	2004	7.08	-1.74	
	2005	6.25	-0.83	
MW-5	2003	8.84	na	-1.40
	2004	8.42	-0.42	
	2005	7.44	-0.98	
MW-6	2003	8.97	na	-2.62
	2004	6.93	-2.04	
	2005	6.35	-0.58	
MW-7	not impacted			
MW-8	not impacted			
MW-9	not impacted			
MW-10	not impacted			
MW-11	not impacted			
MW-12	2004	7.64	na	-1.01
	2005	6.63	-1.01	
MW-13	not impacted			
MW-14	2004	6.57	na	-0.08
	2005	6.49	-0.08	
MW-15	not impacted			
MW-16	not impacted			
MW-17	2004	7.52	na	-1.16
	2005	6.36	-1.16	

na - not applicable

Table 3
Plains Pipeline L.P.
Hobbs Junction Mainline #2003-00017
Groundwater Monitoring Analytical Results

Monitoring Well #	Sample Date	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	m,p-Xylenes µg/L	o-Xylene µg/L	Total Xylenes µg/L	MTBE µg/L
MW-1	23-Jan-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	12-May-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	31-Mar-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-May-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	17-Aug-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
MW-2	23-Jan-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	12-May-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	31-Mar-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-May-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	17-Aug-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
MW-3	23-Jan-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	12-May-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	31-Mar-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-May-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	17-Aug-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
MW-4	23-Jan-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	12-May-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	31-Mar-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-May-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	17-Aug-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
MW-5	23-Jan-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	12-May-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	31-Mar-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-May-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	17-Aug-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
MW-6	23-Jan-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	12-May-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	31-Mar-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-May-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	17-Aug-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
MW-7	23-Jan-04	<1	<1	<1	<2	<1	<2	
	12-May-04	<1	<1	<1	<2	<1	<2	
	19-Jul-04	<1	<1	<1	<2	<1	<2	
	8-Nov-04	<1	<1	<1	<2	<1	<2	<5
	31-Mar-05	<1	<1	<1	<2	<1	<2	
	23-May-05	<1	<1	<1	<2	<1	<2	
	17-Aug-05	<1	<1	<1	<2	<1	<2	
	14-Nov-05	<1	<1	<1	<2	<1	<2	

Table 3
Plains Pipeline L.P.
Hobbs Junction Mainline #2003-00017
Groundwater Monitoring Analytical Results

Monitoring Well #	Sample Date	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	m,p-Xylenes µg/L	o-Xylene µg/L	Total Xylenes µg/L	MTBE µg/L
MW-8	23-Jan-04	<1	<1	<1	<2	<1	<2	
	12-May-04	1.10	<1	<1	<2	<1	<2	
	19-Jul-04	<1	<1	<1	<2	<1	<2	
	8-Nov-04	4.71	<1	<1	<2	<1	<2	
	31-Mar-05	<1	<1	<1	<2	<1	<2	
	23-May-05	<1	<1	<1	<2	<1	<2	
	17-Aug-05	<1	<1	<1	<2	<1	<2	
MW-9	14-Nov-05	<1	<1	<1	<2	<1	<2	
	23-Jan-04	<1	<1	<1	<2	<1	<2	
	12-May-04	<1	<1	<1	<2	<1	<2	
	19-Jul-04	<1	<1	<1	<2	<1	<2	
	8-Nov-04	<1	<1	<1	<2	<1	<2	
	31-Mar-05	<1	<1	<1	<2	<1	<2	
	23-May-05	<1	<1	<1	<2	<1	<2	
MW-10	17-Aug-05	<1	<1	<1	<2	<1	<2	
	14-Nov-05	<1	<1	<1	<2	<1	<2	
	23-Jan-04	<1	<1	<1	<2	<1	<2	
	12-May-04	<1	<1	<1	<2	<1	<2	
	19-Jul-04	<1	<1	<1	<2	<1	<2	
	8-Nov-04	<1	<1	<1	<2	<1	<2	
	31-Mar-05	<1	<1	<1	<2	<1	<2	
MW-11	23-May-05	<1	<1	<1	<2	<1	<2	
	17-Aug-05	<1	<1	<1	<2	<1	<2	
	14-Nov-05	11.9	<1	<1	<2	<1	<2	
	23-Jan-04	<1	<1	<1	<2	<1	<2	
	12-May-04	<1	<1	<1	<2	<1	<2	
	19-Jul-04	<1	<1	<1	<2	<1	<2	
	8-Nov-04	2.25	<1	<1	<2	<1	<2	
MW-12	31-Mar-05	1,010	13.8	233	33.9	41.1	75.0	
	23-May-05	3,030	831	661	292	219	511	
	17-Aug-05	16,000	5,300	1,400	711	486	1,200	
	14-Nov-05	24,000	7,450	2,240	1,120	825	1,950	
	23-Jan-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	12-May-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
MW-13	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	31-Mar-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-May-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	17-Aug-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-Jan-04	<1	<1	<1	<2	<1	<2	
	12-May-04	<1	<1	<1	<2	<1	<2	
MW-14	19-Jul-04	<1	<1	<1	<2	<1	<2	
	8-Nov-04	<1	<1	<1	<2	<1	<2	
	31-Mar-05	<1	<1	<1	<2	<1	<2	
	23-May-05	<1	<1	<1	<2	<1	<2	
	17-Aug-05	1.50	<1	<1	<2	<1	<2	
	14-Nov-05	1.04	<1	<1	<2	<1	<2	
	MW-14	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon					
8-Nov-04		Not sampled Due to the Presence of Phase Separated Hydrocarbon						
31-Mar-05		Not sampled Due to the Presence of Phase Separated Hydrocarbon						
23-May-05		Not sampled Due to the Presence of Phase Separated Hydrocarbon						
17-Aug-05		Not sampled Due to the Presence of Phase Separated Hydrocarbon						
MW-14	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						

Table 3
Plains Pipeline L.P.
Hobbs Junction Mainline #2003-00017
Groundwater Monitoring Analytical Results

Monitoring Well #	Sample Date	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	m,p-Xylenes µg/L	o-Xylene µg/L	Total Xylenes µg/L	MTBE µg/L
MW-15	19-Jul-04	<1	1.01	<1	<2	<1	<2	
	8-Nov-04	4.82	<1	<1	<2	<1	<2	
	31-Mar-05	1.04	<1	<1	<2	<1	<2	
	23-May-05	2.63	<1	<1	<2	<1	<2	
	17-Aug-05	2,150	10.4	<1	22.0	1.89	23.9	
	14-Nov-05	8,960	14.9	34.1	265	<10	265	
MW-16	19-Jul-04	<1	<1	<1	<2	<1	<2	
	8-Nov-04	25.5	<1	<1	<2	<1	<2	
	31-Mar-05	7.12	<1	<1	<2	<1	<2	
	23-May-05	3.57	<1	<1	<2	<1	<2	
	17-Aug-05	2.42	<1	<1	<2	<1	<2	
	14-Nov-05	5.11	<1	<1	<2	<1	<2	
MW-17	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	31-Mar-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	23-May-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	17-Aug-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
	14-Nov-05	Not sampled Due to the Presence of Phase Separated Hydrocarbon						
Klein Irrigation Well	31-Oct-03	<1	<1	<1	<2	<1	<2	
	19-Jul-04	Not sampled						
	8-Nov-04	<1	<1	<1	<2	<1	<2	
	31-Mar-05	<1	<1	<1	<2	<1	<2	
	23-May-05	Not sampled						
	17-Aug-05	Not sampled						
	14-Nov-05	Not sampled						
NMWQCC Standards		10	750	750			620	

PSH - Phase Separated Hydrocarbon

< - denotes method detection limit

µg/L - micrograms per Liter

Blank cells indicate that analyses was not performed.

Concentrations reported to be above the NMWQCC Groundwater Standards are **highlighted in red**.

NMWQCC - New Mexico Water Quality Control Commission

EPA SW846-8270C. 3510

Monitor Well #	Date	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo[a]-anthracene (µg/L)	Benzo[a]-pyrene (µg/L)	Benzo[b]-fluoranthene (µg/L)	Benzo[g,h,i]-perylene (µg/L)	Benzo[k]-fluoranthene (µg/L)	Chrysene (µg/L)	Dibenz[a,h]-anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno[1,2,3-cd]-pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
MW-1	23-Jan-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon															
	12-May-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon															
	19-Jul-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon															
	8-Nov-04	Not sampled Due to the Presence of Phase Separated Hydrocarbon															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															
MW-2	23-Jan-04	Not sampled Due to the Presence of PSH															
	12-May-04	Not sampled Due to the Presence of PSH															
	19-Jul-04	Not sampled Due to the Presence of PSH															
	8-Nov-04	Not sampled Due to the Presence of PSH															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															
MW-3	23-Jan-04	Not sampled Due to the Presence of PSH															
	12-May-04	Not sampled Due to the Presence of PSH															
	19-Jul-04	Not sampled Due to the Presence of PSH															
	8-Nov-04	Not sampled Due to the Presence of PSH															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															
MW-4	23-Jan-04	Not sampled Due to the Presence of PSH															
	12-May-04	Not sampled Due to the Presence of PSH															
	19-Jul-04	Not sampled Due to the Presence of PSH															
	8-Nov-04	Not sampled Due to the Presence of PSH															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															
MW-5	23-Jan-04	Not sampled Due to the Presence of PSH															
	12-May-04	Not sampled Due to the Presence of PSH															
	19-Jul-04	Not sampled Due to the Presence of PSH															
	8-Nov-04	Not sampled Due to the Presence of PSH															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															

EPA SW846-8270C 3510

Monitor Well #	Date	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo[a]-anthracene (µg/L)	Benzo[a]-pyrene (µg/L)	Benzo[b]-fluoranthene (µg/L)	Benzo[g,h,i]-perylene (µg/L)	Benzo[k]-fluoranthene (µg/L)	Chrysene (µg/L)	Dibenz[a,h]-anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno[1,2,3-cd]-pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
MW-6	23-Jan-04	Not sampled Due to the Presence of PSH															
	12-May-04	Not sampled Due to the Presence of PSH															
	19-Jul-04	Not sampled Due to the Presence of PSH															
	8-Nov-04	Not sampled Due to the Presence of PSH															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															
MW-7	23-Jan-04	Not Analyzed															
	12-May-04	Not Analyzed															
	19-Jul-04	<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
	8-Nov-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	23-May-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
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															
MW-8	23-Jan-04	Not Analyzed															
	12-May-04	Not Analyzed															
	19-Jul-04	Not Analyzed															
	8-Nov-04	<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
	31-Mar-05	Not Analyzed															
	23-May-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
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															
MW-9	23-Jan-04	Not Analyzed															
	12-May-04	Not Analyzed															
	19-Jul-04	<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
	8-Nov-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	23-May-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
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															
MW-10	23-Jan-04	Not Analyzed															
	12-May-04	Not Analyzed															
	19-Jul-04	<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
	8-Nov-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	23-May-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
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															

EPA SW846-8270C, 3510

Monitor Well #	Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[g,h,i]-perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]-anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]-pyrene	Naphthalene	Phenanthrene	Pyrene
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-11	23-Jan-04	Not Analyzed															
	12-May-04	Not Analyzed															
	19-Jul-04	<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
	8-Nov-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	23-May-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.056	<0.05	<0.05	<0.05	<0.05
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															
MW-12	23-Jan-04	Not sampled Due to the Presence of PSH															
	12-May-04	Not sampled Due to the Presence of PSH															
	19-Jul-04	Not sampled Due to the Presence of PSH															
	8-Nov-04	Not sampled Due to the Presence of PSH															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															
MW-13	23-Jan-04	Not Analyzed															
	12-May-04	Not Analyzed															
	19-Jul-04	Not Analyzed															
	8-Nov-04	<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
	31-Mar-05	Not Analyzed															
	23-May-05	<0.05	<0.05	<0.05	0.071	<0.05	0.069	0.062	0.083	0.10	0.137	<0.05	0.056	0.07	<0.05	<0.05	<0.05
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															
MW-14	19-Jul-04	Not sampled Due to the Presence of PSH															
	8-Nov-04	Not sampled Due to the Presence of PSH															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															
MW-15	19-Jul-04	<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	0.051	<0.05	<0.05
	8-Nov-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	23-May-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
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															

Table 4
Plains Pipeline, L.P.
Hobbs Junction Mainline - Ref #2003-00017
Summary of Groundwater Polynuclear-Aromatic Hydrocarbons (PAH) Analytical Results
EPA 8W846-8270C, 3510

Monitor Well #	Date	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo[a]-anthracene (µg/L)	Benzo[a]-pyrene (µg/L)	Benzo[b]-fluoranthene (µg/L)	Benzo[g,h,i]-perylene (µg/L)	Benzo[k]-fluoranthene (µg/L)	Chrysene (µg/L)	Dibenz[a,h]-anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno[1,2,3-cd]-pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
MW-16	19-Jul-04	<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
	8-Nov-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	23-May-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
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															
MW-17	19-Jul-04	Not sampled Due to the Presence of PSH															
	8-Nov-04	Not sampled Due to the Presence of PSH															
	31-Mar-05	Not sampled Due to the Presence of PSH															
	23-May-05	Not sampled Due to the Presence of PSH															
	17-Aug-05	Not sampled Due to the Presence of PSH															
	14-Nov-05	Not sampled Due to the Presence of PSH															
Klein Irrigation Well	31-Oct-03	Not Analyzed															
	19-Jul-04	Not Analyzed															
	8-Nov-04	Not Analyzed															
	31-Mar-05	Not Analyzed															
	23-May-05	Not Analyzed															
	17-Aug-05	Not Analyzed															
	14-Nov-05	Not Analyzed															
NMWQCC Standards						0.70									30.0		

PSH - Phase Separated Hydrocarbon

NMWQCC - New Mexico Water Quality Control Commission

Concentrations reported to be above the NMWQCC Drinking Water Standards are highlighted in red.

< - denotes method detection limit

µg/L - micrograms per Liter

Table 5
Plains Pipeline, L.P.
Hobbs Junction Mainline #2003-00017
Recommendations and Monitoring Well Sampling Schedule for 2006

Monitoring Well	Eight Quarters Below NMWQCC Standards	2006 Sampling Schedule				Notes
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
MW-1	No	--	--	--	--	Continue PSH recovery
MW-2	No	--	--	--	--	Continue PSH recovery
MW-3	No	--	--	--	--	Continue PSH recovery
MW-4	No	--	--	--	--	Continue PSH recovery
MW-5	No	--	--	--	--	Continue PSH recovery
MW-6	No	--	--	--	--	Continue PSH recovery
MW-7	Yes	X	--	--	--	Recommend Annual PAH analysis
MW-8	Yes	X	--	--	--	Recommend Annual PAH analysis
MW-9	Yes	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
MW-12	No	--	--	--	--	Continue PSH recovery
MW-13	Yes	X	--	--	--	Recommend Annual PAH analysis
MW-14	No	--	--	--	--	Continue PSH recovery
MW-15	No	X	X	X	X	Recommend Annual PAH analysis
MW-16	No	X	X	X	X	Recommend Annual PAH analysis
MW-17	No	--	--	--	--	Continue PSH recovery
MW-18	No	X-install	X	X	X	Recommend Annual PAH analysis
MW-19	No	X-install	X	X	X	Recommend Annual PAH analysis
MW-20	No	X-install	X	X	X	Recommend Annual PAH analysis
Klein Irrigation Well	No	--	X	--	--	Recommend Annual PAH analysis

NMWQCC - New Mexico Water Quality Control Commission

PAH - Polynuclear Aromatic Hydrocarbons

PSH - Phase Separated Hydrocarbons

APPENDICES

Appendix I: Laboratory Reports

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#: 165655 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-7
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 15:10

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	J	0.4	104.5	117.5	98.8

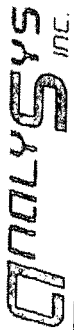
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Respectfully Submitted,

Dale Wagner

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.



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: 2003-00017

Sample Name: PAAHJM33105MW-7

Report#/Lab ID#: 165655
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	74-124	---
Toluene-d8	8260b	103	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165655	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2003-00017		
Sample Name: PAAHJM33105MW-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 submersion 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
Toluene	J	See J-flag discussion above.

Notes:

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#: 165656 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-8
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 17:09

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	---	---	---	---	04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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Client: Environmental Plus, Inc.	Project ID: 2003-00017	Report#/Lab ID#: 165656
Attn: Iain Olness	Sample Name: PAAHJM33105MW-8	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	74-124	---
Toluene-d8	8260b	103	89-115	---

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

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#: 165657 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-9
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 17:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	2.6	94.2	98.9	100.7
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	4.2	103.6	103.4	97
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	5	103.4	103.2	96.5
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	11.1	110.3	108.6	99.9
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	3.5	106.5	102.9	106.1

QUALITY ASSURANCE DATA 1

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017
Sample Name: PAAHJN/33105MW-9

Report#/Lab ID#: 165657
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	84.9	74-124	---
Toluene-d8	8260b	106	89-115	---

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#: 165658 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-10
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 17:55

REPORT OF ANALYSIS

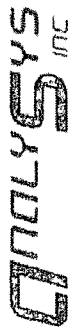
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017
Sample Name: PAAHIM33105MW-10

Report#/Lab ID#: 165658
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.4	74-124	---
Toluene-d8	8260b	105	89-115	---

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

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#: 165659 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-11
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 18:12

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
Volatiles organics-8260b/BTEX	---		---		04/13/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1010	µg/L	10	<10	04/13/05	8260b	---	2.6	94.2	98.9	100.7
Ethylbenzene	233	µg/L	10	<10	04/13/05	8260b	---	4.2	103.6	103.4	97
m,p-Xylenes	33.9	µg/L	20	<20	04/13/05	8260b	---	5	103.4	103.2	96.5
o-Xylene	41.1	µg/L	10	<10	04/13/05	8260b	---	11.1	110.3	108.6	99.9
Toluene	13.8	µg/L	10	<10	04/13/05	8260b	---	3.5	106.5	102.9	106.1

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Respectfully Submitted,

Dale Wagner

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 & SI = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2003-00017 Sample Name: PAAHJM33105MW-11	Report#/Lab ID#: 165659 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	74-124	---
Toluene-d8	8260b	101	89-115	---

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



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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#: 165660 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-13
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 15:49

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	J	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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Respectfully Submitted,

Dale Wagner

Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017

Sample Name: PAAHJM33105MW-13

Report#/Lab ID#: 165660

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.2	74-124	---
Toluene-d8	8260b	108	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165660 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-13

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 "fit" 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:

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

Report#/Lab ID#: 165661 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-15
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 18:29

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
Volatiles organics-8260b/BTEX	---		---		04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.04	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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Respectfully Submitted,

D. Wagner

Date Wagner

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Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2003-00017 Sample Name: PAAHJM33105MW-15	Report#/Lab ID#: 165661 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.9	74-124	---
Toluene-d8	8260b	103	89-115	---

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

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

Report#/Lab ID#: 165662 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105MW-16
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 16:45

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	---		---		04/13/05	8260b(5030/5035)	---	---	---	---	---
Benzene	7.12	µg/L	1	<1	04/13/05	8260b	---	2.6	94.2	98.9	100.7
Ethylbenzene	<1	µg/L	1	<1	04/13/05	8260b	---	4.2	103.6	103.4	97
m,p-Xylenes	<2	µg/L	2	<2	04/13/05	8260b	---	5	103.4	103.2	96.5
o-Xylene	<1	µg/L	1	<1	04/13/05	8260b	---	11.1	110.3	108.6	99.9
Toluene	<1	µg/L	1	<1	04/13/05	8260b	J	3.5	106.5	102.9	106.1

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Respectfully Submitted,

D. Wagner

Date 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. Attn: Iain Olness	Project ID: 2003-00017 Sample Name: PAAHJM33105MW-16	Report#/Lab ID#: 165662 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.1	74-124	---
Toluene-d8	8260b	104	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165662	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2003-00017		
Sample Name: PAAHJM33105MW-16		

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 appropriate container(s). State of sample preservation unknown.
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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
Toluene	J	See J flag discussion above.

Notes:

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#: 165663 **Report Date:** 04/14/05
Project ID: 2003-00017
Sample Name: PAAHJM33105KleinWW
Sample Matrix: water
Date Received: 04/06/2005 **Time:** 10:00
Date Sampled: 03/31/2005 **Time:** 18:42

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	<1	µg/L	1	<1	04/12/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	93.3	103	94.8
Ethylbenzene	<1	µg/L	1	<1	04/12/05	8260b	---	0.3	99.2	107.5	96.8
m,p-Xylenes	<2	µg/L	2	<2	04/12/05	8260b	---	0.8	98.6	106.3	97.4
o-Xylene	<1	µg/L	1	<1	04/12/05	8260b	---	0.5	102.4	112	100.3
Toluene	<1	µg/L	1	<1	04/12/05	8260b	---	0.4	104.5	117.5	98.8

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Respectfully Submitted,

Dale Wagner

Dale Wagner

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(512) 385-5886 FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017

Sample Name: PAAHJM33105KleinWW

Report#/Lab ID#: 165663

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.7	74-124	---
Toluene-d8	8260b	111	89-115	---

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

AnalySys Inc.

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

Chain of Custody Form

22209 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		Hobbs Junction Mainline																				
Project Reference		2003-00017																				
EPI Sampler Name		Manuel Gonzales																				
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	pH	TCLP	OTHER >>>	PAH
165655	1 PAAHJM33105MW-7	G	3	X						X	X		3/31/05	3:10	X							
165656	2 PAAHJM33105MW-8	G	3	X						X	X		3/31/05	5:09	X							
165657	3 PAAHJM33105MW-9	G	3	X						X	X		3/31/05	5:30	X							
165658	4 PAAHJM33105MW-10	G	3	X						X	X		3/31/05	5:55	X							
165659	5 PAAHJM33105MW-11	G	3	X						X	X		3/31/05	6:12	X							
165660	6 PAAHJM33105MW-13	G	3	X						X	X		3/31/05	3:49	X							
165661	7 PAAHJM33105MW-15	G	3	X						X	X		3/31/05	6:29	X							
165662	8 PAAHJM33105MW-16	G	3	X						X	X		3/31/05	4:45	X							
165663	9 PAAHJM33105KleinWW	G	3	X						X	X		31-Mar	6:42	X							
10																						

Company Name: Environmental Plus, Inc.

EPI Project Manager: Iain Olness

Mailing Address: P.O. BOX 1558

City, State, Zip: Eunice New Mexico 88231

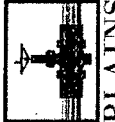
EPI Phone#/Fax#: 505-394-3481 / 505-394-2601

Client Company: Plains All American

Facility Name: Hobbs Junction Mainline

Project Reference: 2003-00017

EPI Sampler Name: Manuel Gonzales



PLAINS
ALL AMERICAN
PIPELINE, L.P.

Attn: ENV Accounts Receivable

PO Box 4648

Houston, TX 77210-4648

Bill To

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: Hobbs Junction Mainline

Project Reference: 2003-00017

EPI Sampler Name: Manuel Gonzales

LAB I.D.

SAMPLE I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUND WATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

BTEX 8021B

TPH 8015M

CHLORIDES (Cl)

SULFATES (SO₄)

pH

TCLP

OTHER >>>

PAH

Analysis Request

Company Name: Environmental Plus, Inc.

EPI Project Manager: Iain Olness

Mailing Address: P.O. BOX 1558

City, State, Zip: Eunice New Mexico 88231

EPI Phone#/Fax#: 505-394-3481 / 505-394-2601

Client Company: Plains All American

Facility Name: Hobbs Junction Mainline

Project Reference: 2003-00017

EPI Sampler Name: Manuel Gonzales

LAB I.D.

SAMPLE I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUND WATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

BTEX 8021B

TPH 8015M

CHLORIDES (Cl)

SULFATES (SO₄)

pH

TCLP

OTHER >>>

PAH

Analysis Request

Company Name: Environmental Plus, Inc.

EPI Project Manager: Iain Olness

Mailing Address: P.O. BOX 1558

City, State, Zip: Eunice New Mexico 88231

EPI Phone#/Fax#: 505-394-3481 / 505-394-2601

Client Company: Plains All American

Facility Name: Hobbs Junction Mainline

Project Reference: 2003-00017

EPI Sampler Name: Manuel Gonzales

LAB I.D.

SAMPLE I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUND WATER

WASTEWATER

SOIL

CRUDE OIL

SLUDGE

OTHER:

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

BTEX 8021B

TPH 8015M

CHLORIDES (Cl)

SULFATES (SO₄)

pH

TCLP

OTHER >>>

PAH

Analysis Request

Company Name: Environmental Plus, Inc.

EPI Project Manager: Iain Olness

Mailing Address: P.O. BOX 1558

City, State, Zip: Eunice New Mexico 88231

EPI Phone#/Fax#: 505-394-3481 / 505-394-2601

Client Company:

Sample Analysis Case Narrative

Client: Environmetal Plus, Inc. Project ID: 2003-00017

Attn: Iain Olness

for Sample #'s: 167527 thru 167534

Analyzed by AnalySys, Inc.

Final Review Date: 6/8/2005 By:  (D. Wagner)

Case Narrative:

The spike recoveries and/or precisions of several PAH compounds for the analytical batch that contained samples 167527 thru 167534 were 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 each compound indicating the analytical method was operating correctly and in control.



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#: 167527 Report Date: 06/06/05
Project ID: 2003-00017
Sample Name: HJM MW-10
Sample Matrix: water
Date Received: 05/25/2005 Time: 09:30
Date Sampled: 05/23/2005 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	---	---	---	---	05/27/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	06/04/05	610 & 8270c	---	---	---	---	---
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
Acenaphthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	33.3	43.2	98.3	79.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	36.9	43.5	97.4	81.7
Anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	26.8	53	109.7	89.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.1	49.5	107.2	93.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.8	22.5	107.1	82.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	5.8	22.7	97.9	87.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M	16.1	11.3	101.6	84.1
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.9	27.8	109.9	90.5
Chrysene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	9.4	55.4	106.8	109.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.9	15.9	96	111.1
Fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	13.4	59.5	105	85.9
Fluorene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	35.6	43.7	98.2	80.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M,P	29.3	9.1	89.1	84.7

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. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

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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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017

Sample Name: HJM MW-10

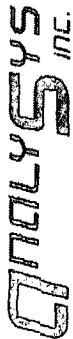
Report#/Lab ID#: 167527

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	06/04/05	610 & 8270c	J.P	37.4	40.9	106.3	79.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	21.3	57.5	108.1	90.7
Pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	0.5	58.1	102.3	78.9



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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017
Sample Name: HJM MW-10

Report#/Lab ID#: 167527
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	53.4	30-110	---
Nitrobenzene-d5	610 & 8270c	64.5	12-110	---
Terphenyl-d14	610 & 8270c	73.6	25-110	---
1,2-Dichloroethane-d4	8260b	93.3	70-130	---
Toluene-d8	8260b	104	80-127	---

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

Report #/Lab ID#: 167527 **Matrix:** water
Client: Environmental Plus, Inc.
Project ID: 2003-00017
Sample Name: HUM MW-10
Attn: Jain Olness

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is $\leq 6^{\circ}\text{C}$. Possible exceptions include samples submitted to the 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 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.

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.)

Parameter	Qualif	Comment
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthene	P	
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	
Benzol[g,h,i]perylene	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.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Fluorene	P	
Indeno[1,2,3-cd]pyrene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	P	
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	P	
Naphthalene	J	See J-flag discussion above.

Client: Environmental Plus, Inc.

Attn: Iain Olness

Address: 2100 Ave. O

Bunice,

NM 88231

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

Report#/Lab ID#: 167528 **Report Date:** 06/06/05

Project ID: 2003-00017

Sample Name: HJM MW-11

Sample Matrix: water

Date Received: 05/25/2005 **Time:** 09:30

Date Sampled: 05/23/2005 **Time:** 12:38

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	05/27/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	06/04/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	05/31/05	8260b(5030/5035)	---	---	---	---	---
Benzene	3030	µg/L	100	<100	05/31/05	8260b	---	2.6	84.9	84.8	83.6
Ethylbenzene	661	µg/L	100	<100	05/31/05	8260b	---	3.1	102.6	97.6	102.7
m,p-Xylenes	292	µg/L	200	<200	05/31/05	8260b	---	2.5	103	97.9	103.3
o-Xylene	219	µg/L	100	<100	05/31/05	8260b	---	14.7	107.8	102.8	106.3
Toluene	831	µg/L	100	<100	05/31/05	8260b	---	1.2	93.5	91.9	93.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	33.3	43.2	98.3	79.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	J,P	36.9	43.5	97.4	81.7
Anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	26.8	53	109.7	89.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.1	49.5	107.2	93.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.8	22.5	107.1	82.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	5.8	22.7	97.9	87.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M	16.1	11.3	101.6	84.1
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.9	27.8	109.9	90.5
Chrysene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	9.4	55.4	106.8	109.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.9	15.9	96	111.1
Fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	13.4	59.5	105	85.9
Fluorene	0.056	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	35.6	43.7	98.2	80.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M,P	29.3	9.1	89.1	84.7

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. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

D. Wagner

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.

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017
Sample Name: HJM MW-11

Report#/Lab ID#: 167528
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	10.8	µg/L	0.5	<0.5	06/06/05	610 & 8270c	P	37.4	40.9	106.3	79.3
Phenanthrene	0.353	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	21.3	57.5	108.1	90.7
Pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	0.5	58.1	102.3	78.9



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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017

Sample Name: HJM MW-11

Report#/Lab ID#: 167528

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	47.3	30-110	---
Nitrobenzene-d5	610 & 8270c	51.2	12-110	---
Terphenyl-d14	610 & 8270c	42.9	25-110	---
1,2-Dichloroethane-d4	8260b	129	70-130	---
Toluene-d8	8260b	88.6	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167528	Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.		
Project ID: 2003-00017		
Sample Name: HJM MW-11		

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GF/AA 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
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthene	P	
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	
Acenaphthylene	J	See J-flag discussion above.
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	
Benzo[a,h,i]perylene	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.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Fluorene	P	
Indeno[1,2,3-cd]pyrene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	P	
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	P	

Notes:

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

Report#/Lab ID#: 167529 **Report Date:** 06/06/05
Project ID: 2003-00017
Sample Name: HJM MW-13
Sample Matrix: water
Date Received: 05/25/2005 **Time:** 09:30
Date Sampled: 05/23/2005 **Time:** 13:18

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	05/27/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	06/04/05	610 & 8270c	---	---	---	---	---
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
Acenaphthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	33.3	43.2	98.3	79.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	36.9	43.5	97.4	81.7
Anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	26.8	53	109.7	89.8
Benzo[a]anthracene	0.071	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.1	49.5	107.2	93.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	J	6.8	22.5	107.1	82.3
Benzo[b]fluoranthene	0.069	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	5.8	22.7	97.9	87.9
Benzo[g,h,i]perylene	0.062	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M	16.1	11.3	101.6	84.1
Benzo[j,k]fluoranthene	0.083	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.9	27.8	109.9	90.5
Chrysene	0.096	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	9.4	55.4	106.8	109.7
Dibenz[a,h]anthracene	0.137	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.9	15.9	96	111.1
Fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	13.4	59.5	105	85.9
Fluorene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	35.6	43.7	98.2	80.5
Indeno[1,2,3-cd]pyrene	0.07	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M,P	29.3	9.1	89.1	84.7

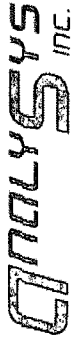
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Respectfully Submitted,

Dale Wagner

Dale Wagner

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Client: Environmental Plus, Inc.
Attn: Iain Olness

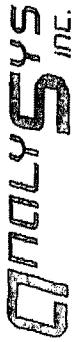
Project ID: 2003-00017
Sample Name: HJM MW-13

Report#/Lab ID#: 167529
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	06/04/05	610 & 8270c	J,P	37.4	40.9	106.3	79.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	21.3	57.5	108.1	90.7
Pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	J	0.5	58.1	102.3	78.9



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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017

Sample Name: HJM MW-13

Report#/Lab ID#: 167529

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	43.7	30-110	---
Nitrobenzene-d5	610 & 8270c	56.2	12-110	---
Terphenyl-d14	610 & 8270c	62.7	25-110	---
1,2-Dichloroethane-d4	8260b	93.2	70-130	---
Toluene-d8	8260b	103	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167529 Matrix: water
Client: Environmental Plus, Inc. Attn: Iain Olness
Project ID: 2003-00017
Sample Name: HJM MW-13

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.
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzofluorene	J	See J-flag discussion above.
Benzofluorene	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.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	P	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits, indicative of potential matrix interference as evidenced by M-flag.
Indeno[1,2,3-cd]pyrene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits, indicative of potential matrix interference as evidenced by M-flag.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	J	See J-flag discussion above.
Pyrene	J	See J-flag discussion above.

Notes:



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.

Attn: Iain Olness

Address: 2100 Ave. O

Euinee,

NM 88231

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

Report#/Lab ID#: 167530 Report Date: 06/06/05

Project ID: 2003-00017

Sample Name: HJM MW-15

Sample Matrix: water

Date Received: 05/25/2005 Time: 09:30

Date Sampled: 05/23/2005 Time: 13:59

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	---	---	---	---	05/27/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	06/04/05	610 & 8270c	---	---	---	---	---
Volatiles organics-8260b/BTEX	---	---	---	---	05/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	2.63	µg/L	1	<1	05/26/05	8260b	---	2	82.9	87.3	84.5
Ethylbenzene	<1	µg/L	1	<1	05/26/05	8260b	---	1.5	104.8	98.7	101.8
m,p-Xylenes	<2	µg/L	2	<2	05/26/05	8260b	---	1.2	105.7	99.1	102.3
o-Xylene	<1	µg/L	1	<1	05/26/05	8260b	---	13.5	93.8	104.2	107.6
Toluene	<1	µg/L	1	<1	05/26/05	8260b	---	2.7	93	92.6	94.4
Acenaphthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	33.3	43.2	98.3	79.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	36.9	43.5	97.4	81.7
Anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	26.8	53	109.7	89.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.1	49.5	107.2	93.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.8	22.5	107.1	82.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	5.8	22.7	97.9	87.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M	16.1	11.3	101.6	84.1
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.9	27.8	109.9	90.5
Chrysene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	9.4	55.4	106.8	109.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.9	15.9	96	111.1
Fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	13.4	59.5	105	85.9
Fluorene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	35.6	43.7	98.2	80.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M,P	29.3	9.1	89.1	84.7

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. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

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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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017

Sample Name: HJM MW-15

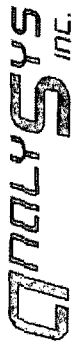
Report#/Lab ID#: 167530

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	06/04/05	610 & 8270c	P	37.4	40.9	106.3	79.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	21.3	57.5	108.1	90.7
Pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	0.5	58.1	102.3	78.9



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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017

Sample Name: HJM MW-15

Report#/Lab ID#: 167530

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	610 & 8270c	38.5	30-110	---
	610 & 8270c	43.8	12-110	---
	610 & 8270c	31.1	25-110	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	90.2	70-130	---
	8260b	105	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167530 **Matrix:** water
Client: Environmental Plus, Inc.
Project ID: 2003-00017
Sample Name: HJM MW-15
Attn: Iain Olness

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
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthene	P	
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	
Benzol g,h,i,perylene	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.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Fluorene	P	
Indeno[1,2,3-cd]pyrene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	P	
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	P	

Notes:

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

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

Report# / Lab ID#: 167531 **Report Date:** 06/06/05

Project ID: 2003-00017

Sample Name: HJM MW-16

Sample Matrix: water

Date Received: 05/25/2005 **Time:** 09:30

Date Sampled: 05/23/2005 **Time:** 14:40

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
A/BN Extraction-PAH	---	---	---	---	05/27/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	06/04/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	05/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	3.57	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	J	1.2	93.5	91.9	93.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	33.3	43.2	98.3	79.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	36.9	43.5	97.4	81.7
Anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	26.8	53	109.7	89.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.1	49.5	107.2	93.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.8	22.5	107.1	82.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	5.8	22.7	97.9	87.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M	16.1	11.3	101.6	84.1
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.9	27.8	109.9	90.5
Chrysene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	9.4	55.4	106.8	109.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.9	15.9	96	111.1
Fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	13.4	59.5	105	85.9
Fluorene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	35.6	43.7	98.2	80.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M,P	29.3	9.1	89.1	84.7

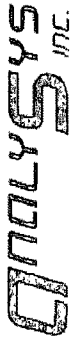
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2003, AnalySys, Inc., Austin, TX. All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

Respectfully Submitted,



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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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017
Sample Name: HJM MW-16

Report#/Lab ID#: 167531
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	06/04/05	610 & 8270c	P	37.4	40.9	106.3	79.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	21.3	57.5	108.1	90.7
Pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	0.5	58.1	102.3	78.9

Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2003-00017 Sample Name: HJM MW-16	Report#/Lab ID#: 167531 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	44.3	30-110	---
Nitrobenzene-d5	610 & 8270c	54.7	12-110	---
Terphenyl-d14	610 & 8270c	50.7	25-110	---
1,2-Dichloroethane-d4	8260b	88.4	70-130	---
Toluene-d8	8260b	103	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167531 Matrix: water
Client: Environmental Plus, Inc. Attn: Iain Olness
Project ID: 2003-00017
Sample Name: HJM MW-16

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GF/AA 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.

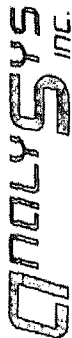
J flag Discussion:

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
Toluene	J	See J-flag discussion above.
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthene	P	
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	
Benzol g,h,i,perylene	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.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Fluorene	P	
Indeno[1,2,3-cd]pyrene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	P	
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	P	

Notes:



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#: 167532 **Report Date:** 06/06/05

Project ID: 2003-00017

Sample Name: HJM MW-7

Sample Matrix: water

Date Received: 05/25/2005 **Time:** 09:30

Date Sampled: 05/23/2005 **Time:** 11:42

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

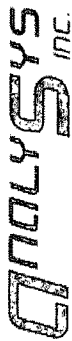
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	05/27/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	06/04/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	05/26/05	8260b(5030/5035)	---	---	---	---	---
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	J	1.2	93.5	91.9	93.7
Acenaphthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	33.3	43.2	98.3	79.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	36.9	43.5	97.4	81.7
Anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	26.8	53	109.7	89.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.1	49.5	107.2	93.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.8	22.5	107.1	82.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	5.8	22.7	97.9	87.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M	16.1	11.3	101.6	84.1
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.9	27.8	109.9	90.5
Chrysene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	9.4	55.4	106.8	109.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.9	15.9	96	111.1
Fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	13.4	59.5	105	85.9
Fluorene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	35.6	43.7	98.2	80.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M,P	29.3	9.1	89.1	84.7

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. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

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 & SI = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



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Attn: Iain Olness

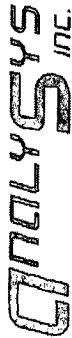
Project ID: 2003-00017
Sample Name: HJM MW-7

Report#/Lab ID#: 167532
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	06/04/05	610 & 8270c	P	37.4	40.9	106.3	79.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	21.3	57.5	108.1	90.7
Pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	0.5	58.1	102.3	78.9



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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017
Sample Name: HJM MW-7

Report#/Lab ID#: 167532
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	36.3	30-110	---
Nitrobenzene-d5	610 & 8270c	56.7	12-110	---
Terphenyl-d14	610 & 8270c	72.2	25-110	---
1,2-Dichloroethane-d4	8260b	88.5	70-130	---
Toluene-d8	8260b	103	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167532 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2003-00017
Sample Name: HJM MW-7

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

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

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.

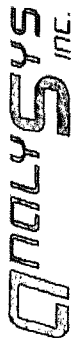
J flag Discussion:

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
Toluene	J	See J-flag discussion above.
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[g,h,i]perylene	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.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	P	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Indeno[1,2,3-cd]pyrene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.

Notes:



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Eunice,

NM 88231

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

REPORT OF ANALYSIS

Report#/Lab ID#: 167533 Report Date: 06/06/05

Project ID: 2003-00017

Sample Name: HJM MW-8

Sample Matrix: water

Date Received: 05/25/2005 Time: 09:30

Date Sampled: 05/23/2005 Time: 11:21

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	---	---	---	---	05/27/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	06/04/05	610 & 8270c	---	---	---	---	---
Volatiles 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
Acenaphthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	33.3	43.2	98.3	79.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	36.9	43.5	97.4	81.7
Anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	26.8	53	109.7	89.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.1	49.5	107.2	93.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.8	22.5	107.1	82.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	5.8	22.7	97.9	87.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M	16.1	11.3	101.6	84.1
Benzo[k]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.9	27.8	109.9	90.5
Chrysene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	9.4	55.4	106.8	109.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.9	15.9	96	111.1
Fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	13.4	59.5	105	85.9
Fluorene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	35.6	43.7	98.2	80.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M,P	29.3	9.1	89.1	84.7

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. © Copyright 2003, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

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 & SI =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.



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Attn: Iain Olness

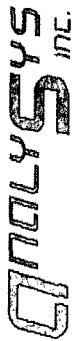
Project ID: 2003-00017
Sample Name: HJM MW-8

Report#/Lab ID#: 167533
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	06/04/05	610 & 8270c	P	37.4	40.9	106.3	79.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	21.3	57.5	108.1	90.7
Pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	0.5	58.1	102.3	78.9



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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017

Sample Name: HJM MW-8

Report#/Lab ID#: 167533

Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	610 & 8270c	47.4	30-110	---
	610 & 8270c	66.9	12-110	---
	610 & 8270c	63.7	25-110	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	102	70-130	---
	8260b	99.2	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167533 Matrix: water
Client: Environmental Plus, Inc. Attn: Iain Olness
Project ID: 2003-00017
Sample Name: HJM MW-8

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

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

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.
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Benzofluorene	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.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	P	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Indeno[1,2,3-cd]pyrene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.

Notes:



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Attn: Iain Olness

Address: 2100 Ave. O

Euinee,

NM 88231

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

Report#/Lab ID#: 167534 **Report Date:** 06/06/05

Project ID: 2003-00017

Sample Name: HJM MW-9

Sample Matrix: water

Date Received: 05/25/2005 **Time:** 09:30

Date Sampled: 05/23/2005 **Time:** 11:01

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA 1

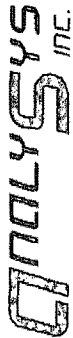
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	05/27/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	06/04/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	05/26/05	8260b(5030/5035)	---	---	---	---	---
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
Acenaphthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	33.3	43.2	98.3	79.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	36.9	43.5	97.4	81.7
Anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	26.8	53	109.7	89.8
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.1	49.5	107.2	93.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.8	22.5	107.1	82.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	5.8	22.7	97.9	87.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M	16.1	11.3	101.6	84.1
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	6.9	27.8	109.9	90.5
Chrysene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	9.4	55.4	106.8	109.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	1.9	15.9	96	111.1
Fluoranthene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	13.4	59.5	105	85.9
Fluorene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	P	35.6	43.7	98.2	80.5
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	S,M,P	29.3	9.1	89.1	84.7

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Respectfully Submitted,

Dale Wagner

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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: 2003-00017
Sample Name: HJM MW-9

Report#/Lab ID#: 167534
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	06/04/05	610 & 8270c	P	37.4	40.9	106.3	79.3
Phenanthrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	21.3	57.5	108.1	90.7
Pyrene	<0.05	µg/L	0.05	<0.05	06/04/05	610 & 8270c	---	0.5	58.1	102.3	78.9



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017
Sample Name: HJM MW-9

Report#/Lab ID#: 167534
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl Nitrobenzene-d5 Terphenyl-d14	610 & 8270c	71.8	30-110	---
	610 & 8270c	100	12-110	---
	610 & 8270c	71.9	25-110	---
1,2-Dichloroethane-d4 Toluene-d8	8260b	91.7	70-130	---
	8260b	104	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 167534 Matrix: water	Attn: Iain Olness
Client: Environmental Plus, Inc.	
Project ID: 2003-00017	
Sample Name: HJM MW-9	

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

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

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
Acenaphthene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthene	P	
Acenaphthylene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	P	
Anthracene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	P	
Benzol[g,h,i]perylene	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.
Fluorene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Fluorene	P	
Indeno[1,2,3-cd]pyrene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Indeno[1,2,3-cd]pyrene	P	
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene	P	The precision of the MS & MSD (or sample and sample duplicate for those analyses where MS/MSD are not run) is outside advisory/acceptance limits.
Naphthalene	P	

Notes:

AnalySys Inc.

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

Chain of Custody Form

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

Company Name		Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST													
EPI Project Manager		Iain Olness		PLAINS ALL AMERICAN PIPELINE, L.P.		TPH 8015M		CHLORIDES (Cl ⁻)		SULFATES (SO ₄ ²⁻)		pH		TCLP		OTHER >>>		PAH	
Mailing Address		P.O. BOX 1558		Attn: ENV Accounts Receivable		BTEX 8021B													
City, State, Zip		Eunice New Mexico 88231		PO Box 4648															
EPI Phone#/Fax#		505-394-3481 / 505-394-2601		Houston, TX 77210-4648															
Client Company		Plains All American																	
Facility Name		Hobbs Junction Mainline																	
Project Reference		2003-00017																	
EPI Sampler Name		Manuel Gonzales																	
LAB I.D.		SAMPLE I.D.		MATRIX		PRESERV.		SAMPLING											
				GROUND WATER		ACID/BASE		DATE											
				WASTEWATER		OTHER:		TIME											
				CRUDE OIL		SLUDGE													
				# CONTAINERS		OTHER:													
				(GRAB OR (COMP.															
				G 6 X															
167532		HJM MW-7		G 6 X				5/23/05		11:42									
167533		HJM MW-8		G 6 X				5/23/05		11:21									
167534		HJM MW-9		G 6 X				5/23/05		11:01									
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Sampler Relinquished by:		Received By:	
Date: 5/24/05		Date: 5/24/05	
Time: 1600		Time: 1600	
Relinquished by:		Received By: (lab staff)	
Date: 5/25/05		Date: 5/25/05	
Time: 1936		Time: 1936	
Delivered by:		Sample Cool & Intact	
		Yes No	
		Checked By:	
E-mail results to: iolness@hotmail.com and enviplus1@aol.com			
REMARKS:			

T: 5.9°C

E-mail results to: iolness@hotmail.com and enviplus1@aol.com

REMARKS:

AnalySys Inc.

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

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

Chain of Custody Form

Company Name Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST									
EPI Project Manager Iain Olness		PLAINS ALL AMERICAN PIPELINE, L.P.											
Mailing Address P.O. BOX 1558		Attn: ENV Accounts Receivable											
City, State, Zip Eunice New Mexico 88231		PO Box 4648											
EPI Phone#/Fax# 505-394-3481 / 505-394-2601		Houston, TX 77210-4648											
Client Company Plains All American													
Facility Name Hobbs Junction Mainline													
Project Reference 2003-00017													
EPI Sampler Name Manuel Gonzales													

LAB I.D.	SAMPLE I.D.	# CONTAINERS	(G)RAB OR (C)OMP.	MATRIX						PRESERV.		SAMPLING		TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	pH	TCLP	OTHER >>>	PAH	
				WASTEWATER	GROUND WATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE								TIME
167530	1 HJM MW-15	6	X																		
167531	2 HJM MW-16	6	X																		
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Sampler Relinquished by: <i>Manuel Gonzales</i>	Received By: Date: 5/24/05 Time: 6:00	Remarks: E-mail results to: iolness@hotmail.com and enviplus1@aol.com
Relinquished by:	Received By: (lab staff) Date: 5/25/05 Time: 09:30	
Delivered by:	Sample Cool & Intact Yes No	Checked By: <i>Manuel Gonzales</i>



7840
N. P. Island, Corpus Christi, TX 78401
(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#: 170094 **Report Date:** 08/29/05
Project ID: 2003-00017
Sample Name: MW-7
Sample Matrix: water
Date Received: 08/23/2005 **Time:** 11:20
Date Sampled: 08/17/2005 **Time:** 07:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/25/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/25/05	8260b	---	1.4	90.6	97.6	91.5
Ethylbenzene	<1	µg/L	1	<1	08/25/05	8260b	---	1.7	101	104.4	101.4
m,p-Xylenes	<2	µg/L	2	<2	08/25/05	8260b	---	1.4	100.8	105.4	102.1
o-Xylene	<1	µg/L	1	<1	08/25/05	8260b	---	0.8	93	109	105.8
Toluene	<1	µg/L	1	<1	08/25/05	8260b	---	2	97.7	104.8	98

QUALITY ASSURANCE DATA 1

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Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	Project ID: 2003-00017	Report#/Lab ID#: 170094
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	90	70-130	---
Toluene-d8	8260b	103	80-127	---

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

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#: 170095 Report Date: 08/29/05
Project ID: 2003-00017
Sample Name: MW-8
Sample Matrix: water
Date Received: 08/23/2005 Time: 11:20
Date Sampled: 08/17/2005 Time: 08:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/25/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/25/05	8260b	---	1.4	90.6	97.6	91.5
Ethylbenzene	<1	µg/L	1	<1	08/25/05	8260b	---	1.7	101	104.4	101.4
m,p-Xylenes	<2	µg/L	2	<2	08/25/05	8260b	---	1.4	100.8	105.4	102.1
o-Xylene	<1	µg/L	1	<1	08/25/05	8260b	---	0.8	93	109	105.8
Toluene	<1	µg/L	1	<1	08/25/05	8260b	---	2	97.7	104.8	98

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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. Attn: Iain Olness	Project ID: 2003-00017 Sample Name: MW-8	Report#/Lab ID#: 170095 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.5	70-130	---
Toluene-d8	8260b	103	80-127	---

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

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#: 170096 **Report Date:** 08/29/05
Project ID: 2003-00017
Sample Name: MW-9
Sample Matrix: water
Date Received: 08/23/2005 **Time:** 11:20
Date Sampled: 08/17/2005 **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	---		---		08/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/26/05	8260b	---	1.4	90.6	97.6	91.5
Ethylbenzene	<1	µg/L	1	<1	08/26/05	8260b	---	1.7	101	104.4	101.4
m,p-Xylenes	<2	µg/L	2	<2	08/26/05	8260b	---	1.4	100.8	105.4	102.1
o-Xylene	<1	µg/L	1	<1	08/26/05	8260b	---	0.8	93	109	105.8
Toluene	<1	µg/L	1	<1	08/26/05	8260b	---	2	97.7	104.8	98

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Respectfully Submitted,


 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. Attn: Iain Olness	Project ID: 2003-00017 Sample Name: MW-9	Report#/Lab ID#: 170096 Sample Matrix: water
---	---	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.3	70-130	---
Toluene-d8	8260b	105	80-127	---

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



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#: 170097
Project ID: 2003-00017
Sample Name: MW-10
Sample Matrix: water
Date Received: 08/23/2005 Time: 11:20
Date Sampled: 08/17/2005 Time: 10:45

Report Date: 08/29/05

(512) 385-5886 • FAX (512) 385-7411

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/26/05	8260b	---	1.4	90.6	97.6	91.5
Ethylbenzene	<1	µg/L	1	<1	08/26/05	8260b	---	1.7	101	104.4	101.4
m,p-Xylenes	<2	µg/L	2	<2	08/26/05	8260b	---	1.4	100.8	105.4	102.1
o-Xylene	<1	µg/L	1	<1	08/26/05	8260b	---	0.8	93	109	105.8
Toluene	<1	µg/L	1	<1	08/26/05	8260b	---	2	97.7	104.8	98

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Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	Project ID: 2003-00017	Report#/Lab ID#: 170097
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	91.5	70-130	---
Toluene-d8	8260b	105	80-127	---

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

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#: 170098 **Report Date:** 08/29/05
Project ID: 2003-00017
Sample Name: MW-11
Sample Matrix: water
Date Received: 08/23/2005 **Time:** 11:20
Date Sampled: 08/17/2005 **Time:** 11:45

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	16000	µg/L	500	<500	08/29/05	8260b	---	1.4	90.6	97.6	91.5
Ethylbenzene	1400	µg/L	10	<10	08/26/05	8260b	---	1.7	101	104.4	101.4
m,p-Xylenes	711	µg/L	20	<20	08/26/05	8260b	---	1.4	100.8	105.4	102.1
o-Xylene	486	µg/L	10	<10	08/26/05	8260b	---	0.8	93	109	105.8
Toluene	5300	µg/L	500	<500	08/29/05	8260b	---	2	97.7	104.8	98

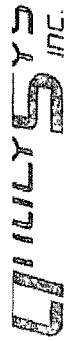
QUALITY ASSURANCE DATA 1

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Respectfully Submitted,

 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.
Attn: Iain Olness

Project ID: 2003-00017
Sample Name: MW-11

Report#/Lab ID#: 170098
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	70-130	---
Toluene-d8	8260b	103	80-127	---

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

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#: 170099
Project ID: 2003-00017
Sample Name: MW-13
Sample Matrix: water
Date Received: 08/23/2005
Date Sampled: 08/17/2005

Time: 11:20
Time: 13:00

Report Date: 08/29/05

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		08/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.5	µg/L	1	<1	08/26/05	8260b	---	1.4	90.6	97.6	91.5
Ethylbenzene	<1	µg/L	1	<1	08/26/05	8260b	---	1.7	101	104.4	101.4
m,p-Xylenes	<2	µg/L	2	<2	08/26/05	8260b	---	1.4	100.8	105.4	102.1
o-Xylene	<1	µg/L	1	<1	08/26/05	8260b	---	0.8	93	109	105.8
Toluene	<1	µg/L	1	<1	08/26/05	8260b	J	2	97.7	104.8	98

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Respectfully Submitted,



Dale Wagner

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QUILYS INC.
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: 2003-00017
Sample Name: MW-13

Report#/Lab ID#: 170099
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.3	70-130	---
Toluene-d8	8260b	107	80-127	---

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

Report #/Lab ID#: 170099 Matrix: water

Client: Environmental Plus, Inc.

Project ID: 2003-00017

Sample Name: MW-13

Attn: Iain Olness

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

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

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
Toluene	J	See J-flag discussion above.

Notes:

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#: 170100 **Report Date:** 08/29/05
Project ID: 2003-00017
Sample Name: MW-15
Sample Matrix: water
Date Received: 08/23/2005 **Time:** 11:20
Date Sampled: 08/17/2005 **Time:** 14:00

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	---		---		08/26/05	8260b(5030/5035)	---	---	---	---	---
Benzene	2150	µg/L	100	<100	08/29/05	8260b	---	1.4	90.6	97.6	91.5
Ethylbenzene	<1	µg/L	1	<1	08/26/05	8260b	J	1.7	101	104.4	101.4
m,p-Xylenes	22	µg/L	2	<2	08/26/05	8260b	---	1.4	100.8	105.4	102.1
o-Xylene	1.89	µg/L	1	<1	08/26/05	8260b	---	0.8	93	109	105.8
Toluene	10.4	µg/L	1	<1	08/26/05	8260b	---	2	97.7	104.8	98

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Respectfully Submitted,

Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Dr., (512) 385-5886 • FAX (512) 385-7411

Chi

X

Client: Environmental Plus, Inc.	Project ID: 2003-00017	Report#/Lab ID#: 170100
Attn: Iain Olness	Sample Name: MW-15	Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	70-130	---
Toluene-d8	8260b	106	80-127	---

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

Report #/Lab ID#: 170100 Matrix: water

Client: Environmental Plus, Inc. Attn: Iain Olness

Project ID: 2003-00017

Sample Name: MW-15

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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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.

Notes:

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

Report#/Lab ID#: 170101 **Report Date:** 08/29/05
Project ID: 2003-00017
Sample Name: MW-16
Sample Matrix: water
Date Received: 08/23/2005 **Time:** 11:20
Date Sampled: 08/17/2005 **Time:** 15:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		08/29/05	8260b(5030/5035)	---	---	---	---	---
Benzene	2.42	µg/L	1	<1	08/29/05	8260b	---	1.4	90.6	97.6	91.5
Ethylbenzene	<1	µg/L	1	<1	08/29/05	8260b	---	1.7	101	104.4	101.4
m,p-Xylenes	<2	µg/L	2	<2	08/29/05	8260b	---	1.4	100.8	105.4	102.1
o-Xylene	<1	µg/L	1	<1	08/29/05	8260b	---	0.8	93	109	105.8
Toluene	<1	µg/L	1	<1	08/29/05	8260b	---	2	97.7	104.8	98

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Respectfully Submitted,


Dale Wagner

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Client: Environmental Plus, Inc.
 Attn: Iain Olness

Project ID: 2003-00017
 Sample Name: MW-16

Report# / Lab ID#: 170101
 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	70-130	---
Toluene-d8	8260b	105	80-127	---

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

AnalySys Inc.

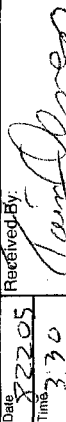
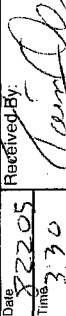
4221 Freidrich Lane, Suite 190, Austin, TX 78744
512-444-5896 FAX: 512-447-4766

Chain of Custody Form

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

Company Name Environmental Plus, Inc.		Bill To		ANALYSIS REQUEST											
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 Hobbs Junction Mainline															
Project Reference 2003-00017															
EPI Sampler Name George Blackburn															

LAB I.D.	SAMPLE I.D.	# CONTAINERS	(G) RAB OR (C) OMP.	MATRIX						PRESERV.			SAMPLING		DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	PH	TCLP	OTHER >>>	PAH	
				WASTEWATER	GROUND WATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER													
170094	1 MW-7	4	G	X	X						X	X			17-Aug-05	7:30	X								
170095	2 MW-8	4	G	X	X						X	X			17-Aug-05	8:30	X								
170096	3 MW-9	4	G	X	X						X	X			17-Aug-05	9:45	X								
170097	4 MW-10	4	G	X	X						X	X			17-Aug-05	10:45	X								
170098	5 MW-11	4	G	X	X						X	X			17-Aug-05	11:45	X								
170099	6 MW-13	4	G	X	X						X	X			17-Aug-05	13:00	X								
170100	7 MW-15	4	G	X	X						X	X			17-Aug-05	14:00	X								
170101	8 MW-16	4	G	X	X						X	X			17-Aug-05	15:00	X								
9																									
10																									

Sampler Relinquished:	Date 8/22/05	Time 3:30	Received By:	Date 8/22/05	Time 16:30	Received By: (lab staff)	Date 8/23/05	Time 11:30	Checked By:	Sample Cool & Intact Yes No
 Delivered by:			 Received By:			 Received By:			 Checked By:	

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

T=5.200



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#: 173890 **Report Date:** 11/29/05
Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-7
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/14/2005 **Time:** 07:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		11/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/23/05	8260b	---	4	102.4	106	98.7
Ethylbenzene	<1	µg/L	1	<1	11/23/05	8260b	---	1.9	95.7	100.3	96.9
m,p-Xylenes	<2	µg/L	2	<2	11/23/05	8260b	---	1.7	98.3	99	99
o-Xylene	<1	µg/L	1	<1	11/23/05	8260b	---	1.6	105.7	93.2	105.8
Toluene	<1	µg/L	1	<1	11/23/05	8260b	---	3.3	106.7	108	103.2

QUALITY ASSURANCE DATA 1

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Richard Elton

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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: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-7

Report#/Lab ID#: 173890
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.2	70-130	11/23/05	---
Toluene-d8	8260b	87.1	80-127	11/23/05	---

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



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

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

Report#/Lab ID#: 173891 **Report Date:** 11/29/05
Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-8
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/14/2005 **Time:** 07:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		11/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/23/05	8260b	---	0.2	104.5	96.9	100.6
Ethylbenzene	<1	µg/L	1	<1	11/23/05	8260b	---	4.6	110.5	110.7	112.5
m,p-Xylenes	<2	µg/L	2	<2	11/23/05	8260b	---	2.9	111.8	110.3	112.3
o-Xylene	<1	µg/L	1	<1	11/23/05	8260b	---	3.5	121.8	116.1	120.4
Toluene	<1	µg/L	1	<1	11/23/05	8260b	---	9.1	108.1	98.3	106.2

QUALITY ASSURANCE DATA 1

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Richard Elton

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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: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-8

Report#/Lab ID#: 173891
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.4	70-130	11/23/05	---
Toluene-d8	8260b	104	80-127	11/23/05	---

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

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#: 173892 **Report Date:** 11/29/05

Project ID: 2003-00017 Hobbs Junction Mainline

Sample Name: MW-9

Sample Matrix: water

Date Received: 11/22/2005 **Time:** 10:30

Date Sampled: 11/14/2005 **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
Volatiles organics-8260b/BTEX	---		---		11/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/23/05	8260b	---	0.2	104.5	96.9	100.6
Ethylbenzene	<1	µg/L	1	<1	11/23/05	8260b	---	4.6	110.5	110.7	112.5
m,p-Xylenes	<2	µg/L	2	<2	11/23/05	8260b	---	2.9	111.8	110.3	112.3
o-Xylene	<1	µg/L	1	<1	11/23/05	8260b	---	3.5	121.8	116.1	120.4
Toluene	<1	µg/L	1	<1	11/23/05	8260b	---	9.1	108.1	98.3	106.2

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Richard Elton
Richard Elton

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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.
Attn: Iain Olness

Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-9

Report#/Lab ID#: 173892
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.5	70-130	11/23/05	---
Toluene-d8	8260b	105	80-127	11/23/05	---

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#: 173893 **Report Date:** 11/29/05
Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-10
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/14/2005 **Time:** 08:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---		---		11/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	11.9	µg/L	1	<1	11/23/05	8260b	---	0.2	104.5	96.9	100.6
Ethylbenzene	<1	µg/L	1	<1	11/23/05	8260b	---	4.6	110.5	110.7	112.5
m,p-Xylenes	<2	µg/L	2	<2	11/23/05	8260b	J	2.9	111.8	110.3	112.3
o-Xylene	<1	µg/L	1	<1	11/23/05	8260b	---	3.5	121.8	116.1	120.4
Toluene	<1	µg/L	1	<1	11/23/05	8260b	---	9.1	108.1	98.3	106.2

QUALITY ASSURANCE DATA 1

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Richard Elton

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-10

Report#/Lab ID#: 173893
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.7	70-130	11/23/05	---
1,2-Dichloroethane-d4	8260b	91	70-130	12/01/05	---
Toluene-d8	8260b	106	80-127	11/23/05	---
Toluene-d8	8260b	93.5	80-127	12/01/05	---

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

Exceptions Report:

Report #/Lab ID#: 173893 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-10

Sample Temperature/Condition: $\leq 6^{\circ}\text{C}$

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

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	J	See J-flag discussion above.

Notes:

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#: 173894 **Report Date:** 11/29/05
Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-11
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/14/2005 **Time:** 09:00

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatiles organics-8260b/BTEX	---	---	---	---	11/28/05	8260b(5030/5035)	---	---	---	---	---
Benzene	24000	µg/L	200	<200	11/28/05	8260b	---	0.2	104.5	96.9	100.6
Ethylbenzene	2240	µg/L	100	<100	11/28/05	8260b	---	4.6	110.5	110.7	112.5
m,p-Xylenes	1120	µg/L	200	<200	11/28/05	8260b	---	2.9	111.8	110.3	112.3
o-Xylene	825	µg/L	100	<100	11/28/05	8260b	---	3.5	121.8	116.1	120.4
Toluene	7450	µg/L	100	<100	11/28/05	8260b	---	9.1	108.1	98.3	106.2

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Richard Elton
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Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2003-00017 Hobbs Junction Mainline Sample Name: MW-11	Report#/Lab ID#: 173894 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109	70-130	11/28/05	---
Toluene-d8	8260b	115	80-127	11/28/05	---

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



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

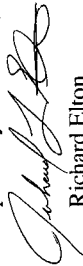
Report#/Lab ID#: 173895 **Report Date:** 11/29/05
Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-13
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/14/2005 **Time:** 09:30

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
Volatiles organics-8260b/BTEX	---		---		11/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.04	µg/L	1	<1	11/23/05	8260b	---	0.2	104.5	96.9	100.6
Ethylbenzene	<1	µg/L	1	<1	11/23/05	8260b	---	4.6	110.5	110.7	112.5
m,p-Xylenes	<2	µg/L	2	<2	11/23/05	8260b	---	2.9	111.8	110.3	112.3
o-Xylene	<1	µg/L	1	<1	11/23/05	8260b	---	3.5	121.8	116.1	120.4
Toluene	<1	µg/L	1	<1	11/23/05	8260b	---	9.1	108.1	98.3	106.2

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Client: Environmental Plus, Inc. Attn: Iain Olness	Project ID: 2003-00017 Hobbs Junction Mainline Sample Name: MW-13	Report#/Lab ID#: 173895 Sample Matrix: water
---	--	---

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	70-130	11/23/05	---
Toluene-d8	8260b	106	80-127	11/23/05	---

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



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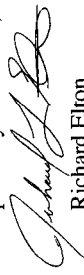
Report#/Lab ID#: 173896 **Report Date:** 11/29/05
Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-15
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/14/2005 **Time:** 10:00

REPORT OF ANALYSIS

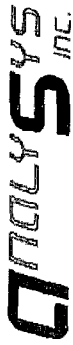
QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		11/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	8960	µg/L	50	<50	11/28/05	8260b	---	0.2	104.5	96.9	100.6
Ethylbenzene	34.1	µg/L	10	<10	11/24/05	8260b	---	4.6	110.5	110.7	112.5
m,p-Xylenes	265	µg/L	20	<20	11/24/05	8260b	---	2.9	111.8	110.3	112.3
o-Xylene	<10	µg/L	10	<10	11/24/05	8260b	J	3.5	121.8	116.1	120.4
Toluene	14.9	µg/L	10	<10	11/24/05	8260b	---	9.1	108.1	98.3	106.2

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-15

Report#/Lab ID#: 173896
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	120	70-130	11/24/05	---
Toluene-d8	8260b	112	80-127	11/24/05	---

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

Exceptions Report:

Report #/Lab ID#: 173896	Matrix: water
Client: Environmental Plus, Inc.	Attn: Iain Olness
Project ID: 2003-00017	Hobbs Junction Mainline
Sample Name: MW-15	

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.

Notes:



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Address: 2100 Ave. O
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Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 173897 **Report Date:** 11/29/05
Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-16
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/14/2005 **Time:** 10:30

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		11/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	5.11	µg/L	1	<1	11/23/05	8260b	---	0.2	104.5	96.9	100.6
Ethylbenzene	<1	µg/L	1	<1	11/23/05	8260b	---	4.6	110.5	110.7	112.5
m,p-Xylenes	<2	µg/L	2	<2	11/23/05	8260b	---	2.9	111.8	110.3	112.3
o-Xylene	<1	µg/L	1	<1	11/23/05	8260b	---	3.5	121.8	116.1	120.4
Toluene	<1	µg/L	1	<1	11/23/05	8260b	---	9.1	108.1	98.3	106.2

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Richard Elton

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QUALITY ASSURANCE DATA 1



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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00017 Hobbs Junction Mainline
Sample Name: MW-16

Report#/Lab ID#: 173897
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	70-130	11/23/05	---
Toluene-d8	8260b	114	80-127	11/23/05	---

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

14010

AnalySys Inc.

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

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

Chain of Custody Form

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 Hobbs Junction Mainline Project Reference 2003-00017 EPI Sampler Name George Blackburn		Bill To  Attn: ENV Accounts Receivable PO Box 4648 Houston, TX 77210-4648		ANALYSIS REQUEST TPH 8015M CHLORIDES (Cl) SULFATES (SO ₄) pH TCLP OTHER >> PAH												
LAB I.D.	SAMPLE I.D.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		TIME	DATE	OTHER	
			GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER					
173890	MW-7	4	X						X	X				7:00	14-Nov-05	
173891	MW-8	4	X						X	X				7:30	14-Nov-05	
173892	MW-9	4	X						X	X				8:00	14-Nov-05	
173893	MW-10	4	X						X	X				8:30	14-Nov-05	
173894	MW-11	4	X						X	X				9:00	14-Nov-05	
173895	MW-13	4	X						X	X				9:30	14-Nov-05	
173896	MW-15	4	X						X	X				10:00	14-Nov-05	
173897	MW-16	4	X						X	X				10:30	14-Nov-05	
9																
10																

Sampler Relinquished:

Date: _____ Time: _____

Received By: *[Signature]*

Relinquished by: *[Signature]*

Date: 11-21-05 Time: 16:00

Received By: (lab staff) *[Signature]*

Delivered by: *[Signature]*

Date: 11-22-05 Time: 10:30 AM

Received By: *[Signature]*

Temp: 2.1°C

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

Appendix II: Site Information and Metrics Form and NMOCD Form C-141


PLAINS
 ALL AMERICAN

Site Information and Metrics

 Incident Date:
 1-23-03 @ 8:00 AM

 NMOCD Notified:
 1-23-03 @ 11:35 AM Larry Johnson by
 Pat McCasland EPI

SITE: Hobbs Junction Mainline		Assigned Site Reference #: 2003-00017	
Company: Plains All American Pipeline			
Street Address: PO Box 1660		Notified Date/Time: NA	
Mailing Address: 5805 East Highway 80		Notified by: Pat McCasland EPI	
City, State, Zip: Midland, Texas 79702		Person Notified: NA	
Representative: Camille Reynolds		NRC Report# : NA	
Representative Telephone: 505.393.5611			
Telephone:			
Fluid volume released (bbls): 50 bbls		Recovered (bbls): 24 bbls	
>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: Hobbs Junction Mainline			
Source of contamination: 10" Steel Pipeline			
Land Owner, i.e., BLM, ST, Fee, Other: State of New Mexico and Faye Klein			
LSP Dimensions 50' x 470'			
LSP Area: 12,500 sqft			
Location of Reference Point (RP)			
Location distance and direction from RP			
Latitude: 32°42'40.85"N			
Longitude: 103°13'42.01"W			
Elevation above mean sea level: 3,372'amsl			
Feet from South Section Line			
Feet from West Section Line			
Location- Unit or ¼¼: SW¼ of the SW¼ Unit Letter: M			
Location- Section: 26			
Location- Township: T18S			
Location- Range: R37E			
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: 1- approximately 600' west			
Public water supply wells within 1000' radius of site: none			
Depth from land surface to groundwater (DG) 40'bgs			
Depth of contamination (DC) - 40'bgs			
Depth to groundwater (DG - DC = DtGW) - 0'			
1. Groundwater		2. Wellhead Protection Area	
If Depth to GW <50 feet: 20 points		If <1000' from water source, or; <200' from private domestic water source: 20 points	
If Depth to GW 50 to 99 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	
Groundwater Score = 20		Wellhead Protection Area Score=20	
Site Rank (1+2+3) = 40		3. Distance to Surface Water Body	
		<200 horizontal feet: 20 points	
		200-100 horizontal feet: 10 points	
		>1000 horizontal feet: 0 points	
		Surface Water Score= 0	
Total Site Ranking Score and Acceptable Concentrations			
Parameter	>19	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 October 10, 2004

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☐ Final Report

Name of Company: Plains Pipeline, L.P.	Contact: Camille Reynolds	
Address: PO Box 3119 (3705 East Highway 158) Midland, Texas 79702 (79706)	Telephone No. 505.393.5611	
Facility Name Hobbs Junction Mainline #2003-00017	Facility Type 10" Steel Pipeline	
Surface Owner: State of New Mexico and Faye Klein	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter M	Section 26	Township T18S	Range R37E	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea
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Latitude: **32°42'40.85"N** Longitude: **103°13'42.01"W**

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 50 barrels	Volume Recovered 24 barrels
Source of Release 10" Steel Pipeline	Date and Hour of Occurrence 1-23-03 @ 8:00 AM	Date and Hour of Discovery 1-23-03 @ 10:45 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Johnson	
By Whom? Pat McCasland EPI	Date and Hour 1-23-03 @ 11:35 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*

10" Steel Pipeline Steel line began leaking due to internal corrosion. Pipe replaced and line tested.

Describe Area Affected and Cleanup Action Taken.*

12,500 sqft (50' x 470'): Soil and groundwater contaminated above the NMOCD Remedial Guidelines will be remediated to the prescribed remedial goals. Remedial Goals: TPH 8015m = 100 mg/Kg, Benzene = 10 mg/Kg, and BTEX, i.e., the mass sum of Benzene, Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.

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 groundwater, 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:	OIL CONSERVATION DIVISION	
Printed Name: Camille Reynolds	Approved by District Supervisor:	
E-mail Address: CJReynolds@PAALP.com	Approval Date:	Expiration Date:
Title: District Environmental Coordinator	Conditions of Approval:	Attached ☐
Date:	Phone: 505.396.3341	

Attach Additional Sheets If Necessary