1R - 395

REPORTS

DATE:

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PLAINS
ALL AMERICAN
PIPELINE, L.P.

1R-395

ANNUAL MONITORING REPORT

LIVINGSTON LINE – BOB MCCASLAND
PLAINS REF: 2001-11043

NE¼ OF THE SW¼ OF SECTION 3, TOWNSHIP 21 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

~5 MILES NORTH-NORTHEAST (356°) OF
EUNICE, LEA COUNTY, NEW MEXICO
LATITUDE: N32° 30' 18.8" LONGITUDE: W103° 09' 6.48"

MARCH 2005

PREPARED BY:

Environmental Plus, Inc.

2100 Avenue O
P.O. Box 1558
Eunice, NM 88231

Phone: (505)394-3481
FAX: (505)394-2601
jolness@hotmail.com

Distribution List

Name	Title	Company or Agency	Mailing Address	e-mail
Ed Martin	Environmental Engineer	NMOCD	1220 South St. Francis Drive Santa Fe, NM 87505	emartin@state.nm.us
Larry Johnson	Environmental Engineer	NMOCD	1625 French Drive Hobbs, NM 88231	lwjohnson@state.nm.us
Camille Reynolds	Remediation Coordinator	Plains All American Pipeline	P. O. Box 3119 Midland, TX 79702-3119	cjreynolds@paalp.com
Jeff Dann	Senior Environmental Specialist	Plains All American Pipeline	P. O. Box 4648 Houston, TX 77210-4648	jpdann@paalp.com
File		EPI	P. O. Box 1558 Eunice, NM 88231	iolness@hotmail.com

NMOCD - New Mexico Oil Conservation Division
EPI - Environmental Plus, Inc.

STANDARD OF CARE

Annual Monitoring Report

Livingston Line – Bob McCasland
Ref. # 2001-11043

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

This report was prepared by:

Iain A. Olness — 29 March 2005

Iain A. Olness, P.G.
Hydrogeologist

Date

This report was reviewed by:

Pat McCasland — 29 March 2005

Pat McCasland

Date

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FIGURES

FIGURES (continued)

TABLES

APPENDIX

I. Background and Previous Remedial Activities

The "Livingston Line – Bob McCasland" (2001-11043) release site is located approximately 5 miles north-northeast of Eunice in Lea County, New Mexico, at an elevation of approximately 3,427 feet above mean sea level (reference Figures 1 and 2). The site is located in the northeast quarter of the southwest quarter of Section 3, Range 37 East, Township 21 South within the Monument Draw drainage feature. There are no residences or surface water bodies within a 1,000-foot radius of the leak site. There are an abandoned Shell Pipeline pump station and crude oil sump located in the vicinity of the release (reference Figure 3).

On July 13, 2001, approximately 4 barrels of crude oil were released from the aforementioned line. The release is believed to have been due to internal corrosion of the Livingston Ridge to Hugh 4-inch gathering line. The release covered approximately 1,600 square feet of pipeline right-of-way and caliche road.

During initial investigative activities conducted from August 16-22, 2001, which included the advancement of seventeen soil borings, it was determined that groundwater was situated approximately 30 feet below ground surface (bgs) and that groundwater had been impacted. Due to the fact that groundwater impacts were discovered, three groundwater monitoring wells were installed around the release are to delineate the extents and magnitude of the release. Samples collected from the groundwater monitoring well network indicated that groundwater was impacted above the New Mexico Oil Conservation Division (NMOCD) remedial thresholds, and as such, three additional groundwater monitoring wells were installed at the site. Continued monitoring of the network revealed the presence of phase separated hydrocarbons (PSH) in groundwater monitoring well MW-4. Based upon investigative activities completed with respect to this release, it was determined that the groundwater impacts were likely due to historic releases associated with the abandoned pumping station located adjacent to the release site.

In December 2001, approximately 11,445 cubic yards of hydrocarbon-impacted soil were excavated and stockpiled on-site. Berms were constructed around the stockpiles to prevent runoff. Analytical results for soil samples collected from the excavation indicated the presence of contaminants remaining above the NMOCD remedial thresholds.

Due to the presence of PSH in groundwater monitoring well MW-4, semi-monthly to monthly visits to the site were conducted to recover PSH. In addition, due to contaminant concentrations above New Mexico Water Quality Control Commission (NMWQCC) groundwater standards in samples collected from several groundwater monitoring wells, a quarterly sampling program was established for the groundwater monitoring well network.

II. Field Activities

Three additional groundwater monitoring wells, MW-7, MW-8 and MW-9, were installed in June 2004 and two additional groundwater monitoring wells, MW-10 and MW-11, were installed in November 2004.

The groundwater monitoring well network was sampled on April 20, July 14, September 14, and November 15/December 21, 2004. In addition to the sampling events, site visits were made on January 2, January 30, March 3, March 15, March 25, May 7, May 25, June 10, July 21, August 2, September 10, October 5, October 19, November 2, November 15 and December 6, 2004. These site visits entailed obtaining PSH and/or water levels from the groundwater monitoring well network and recovering PSH from groundwater monitoring well MW-4.

III. Groundwater Monitoring Well Installation

Three additional groundwater monitoring wells, MW-7, MW-8 and MW-9, were installed at the site during June 2004. These wells were installed in an attempt to further delineate the lateral extents of groundwater impacts at the site. Groundwater monitoring well MW-7 was installed 100 feet west of groundwater monitoring well MW-2 (reference *Figure 3*). Groundwater monitoring well MW-7 was advanced to a depth of 40 feet below ground surface (bgs) and screened from 25 to 40 feet bgs. Groundwater monitoring well MW-8 was installed approximately 95 feet south of groundwater monitoring well MW-4 (reference *Figure 3*). Groundwater monitoring well MW-8 was also advanced to a depth 40 feet bgs and screened from 25 to 40 feet bgs. Groundwater monitoring well MW-9 was installed approximately 100 feet south of groundwater monitoring wells MW-5 and MW-6 (reference *Figure 3*). Groundwater monitoring well MW-9 was advanced to a depth of 35 feet bgs and screened from 20 to 35 feet bgs.

Based on analytical results for samples obtained from groundwater monitoring well MW-9 in July and September 2004, two additional groundwater monitoring wells, MW-10 and MW-11, were installed at the site in November 2004. Groundwater monitoring well MW-10 was installed approximately 104 feet southwest of groundwater monitoring well MW-5 (reference *Figure 3*). Groundwater monitoring well MW-10 was advanced to a depth 34 feet bgs and screened from 34 to 14 feet bgs. Groundwater monitoring well MW-11 was installed approximately 75 feet southwest of groundwater monitoring well MW-9 (reference *Figure 3*). Groundwater monitoring well MW-11 was also advanced to a depth of 34 feet bgs and screened from 14 to 34 feet bgs.

Field and laboratory analytical results from this additional investigation are included in *Table 4*.

IV. Groundwater Gradient and PSH Thickness

Monitoring wells were gauged prior to bailing to determine the depth to groundwater and the thickness of any PSH. Measurements of groundwater levels during the past year indicate that water levels have increased by an average of 7.31 feet. PSH levels in the impacted monitoring well (MW-4) have fluctuated during the past year, with thicknesses ranging from 3.48 feet at the beginning of 2004 to a skim (i.e., present, but not measurable) by the end of the year and average PSH thickness of 0.63 feet. A summary of groundwater elevations and PSH thickness is included in Table 1.

Based on data collected during the past year, groundwater is flowing to the north-northeast (reference Figures 18, 20, 22 and 24). This is not consistent with data collected during previous

years, as data collected during 2003 indicated groundwater flowing to the southeast. It is believed the groundwater flow direction changed during the past year due to the abnormal amounts of precipitation Lea County received during 2004. The site is located in the bottom of a significant surface drainage feature (Monument Draw) in the area and it also appears to be a recharge area for the shallow groundwater in this area. As can be seen by the groundwater flow maps, it appears that with the decrease in precipitation towards the end of the year (i.e. December 21, 2004 Groundwater Contour Map), the direction of groundwater flow is beginning to change again to a more southeasterly direction.

V. PSH Recovery

Recovery of PSH was accomplished via hand bailing during the monthly visits conducted at the beginning of 2004; however, due to the decrease in PSH levels, recovery has been accomplished via absorbent socks from approximately May 2004 to the present. Approximately 50 gallons of PSH were recovered through 2003, with the volume collected during the past year estimated to be 30 gallons.

VI. Groundwater Sampling

The groundwater monitoring well network was sampled on April 20, July 14, September 14, and November 15/December 21, 2004 and the samples submitted for quantification of BTEX using EPA Method 8260b. In addition, samples collected from groundwater monitoring wells MW-1, MW-2, MW-6, MW-7, MW-8 and MW-9 on July 14, 2004 and from groundwater monitoring wells MW-2 and MW-5 on September 14, 2004, were submitted for quantification of poly-aromatic hydrocarbons (PAHs).

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

VII. Groundwater Analytical Results

Analytical results for BTEX analyses for samples collected from groundwater monitoring well MW-1 were reported as non-detectable (ND) at or above each analytes respective laboratory method detection limit (MDL) for all sampling events. Analytical results for PAH analysis were also reported as ND at or above each analytes respective MDL.

Analytical results for samples collected from groundwater monitoring well MW-2 indicated benzene concentrations ranging from 125 µg/L to 267 µg/L, and total BTEX concentrations ranging from 181 µg/L to 305 µg/L. Benzene, the only analyte reported above the NMWQCC groundwater standards, was reported above the NMWQCC groundwater standard of 10.0 µg/L for all sampling events. Analytical results for PAH analysis indicated the presence of naphthalene (13.3 µg/L), flourene (0.061 µg/L) and phenanthrene (0.497 µg/L). All other analytes were reported as ND at or above each analytes respective MDL.

Analytical results for BTEX analyses for samples collected from groundwater monitoring well MW-3 were reported as ND at or above each analytes respective laboratory MDL for all sampling events. Analytical results for PAH analysis were also reported as ND at or above each analytes respective MDL.

Analytical results for BTEX analyses for the samples collected from groundwater monitoring well MW-4 indicated benzene concentrations ranging from 829 µg/L to 3,210 µg/L and total BTEX concentrations ranging from 1,244 µg/L to 9,265 µg/L. Analytical results for the sample collected on April 20, 2004 indicated benzene, toluene, ethylbenzene and total xylenes were all above the NMWQCC groundwater standards. Analytical results for the sample collected on December 21, 2004 indicated only benzene was above the NMWQCC groundwater standard. Due to the presence of PSH on the water column in this well, it was only sampled during two sampling events and neither sample was submitted for quantification of PAH.

Analytical results for BTEX analyses for the samples collected from groundwater monitoring well MW-5 indicated benzene concentrations ranging from 70.8 µg/L to 482 µg/L, and total BTEX concentrations ranging from 126 µg/L to 677 µg/L. Benzene, the only analyte reported above the NMWQCC groundwater standards, was reported above the NMWQCC groundwater standard for all sampling events. Analytical results for PAH analysis were reported as ND at or above each analytes respective MDL.

Analytical results for BTEX analyses for the samples collected from groundwater monitoring well MW-6 indicated benzene concentrations ranging from ND at or above the MDL to 10.0 µg/L, and total BTEX concentrations ranging from ND at or above the MDL to 10.0 µg/L. Benzene was reported at the NMWQCC groundwater standards on September 14, 2004 and was below the NMWQCC groundwater standard for all other sampling events. Analytical results for PAH analysis indicated the presence of naphthalene (1.22 µg/L) and phenanthrene (0.085 µg/L). All other analytes were reported as ND at or above each analytes respective MDL.

Analytical results BTEX analyses for samples collected from groundwater monitoring well MW-7 were reported as non-detectable (ND) at or above each analytes respective laboratory method detection limit (MDL) for all sampling events. Analytical results for PAH analysis indicated the presence of naphthalene (0.261 µg/L) and phenanthrene (0.293 µg/L). All other analytes were reported as ND at or above each analytes respective MDL.

Analytical results for BTEX analyses for the samples collected from groundwater monitoring well MW-8 indicated benzene concentrations ranging 482 µg/L to 4,220 µg/L, and total BTEX concentrations ranging from 737 µg/L to 5,311 µg/L. Benzene, the only analyte reported above the NMWQCC groundwater standards, was reported above the NMWQCC groundwater standard for all sampling events. Analytical results for PAH analysis indicated the presence of naphthalene (4.94 µg/L), acenapthylene (0.064 µg/L), flourene (0.127 µg/L) and phenanthrene (1.43 µg/L). All other analytes were reported as ND at or above each analytes respective MDL.

Analytical results for BTEX analyses for the samples collected from groundwater monitoring well MW-9 indicated benzene concentrations ranging ND at or above the MDL to 275 µg/L, and total BTEX concentrations ranging from 26.4 µg/L to 1,397 µg/L. Benzene and total xylenes

were reported above the NMWQCC groundwater standards for the sample collected on July 14, 2004 and benzene concentrations were reported above the NMWQCC groundwater standard on September 14, 2004. All other analytes were reported as ND at or above each analytes respective MDL. Analytical results for PAH analysis indicated the presence of naphthalene (7.98 µg/L), acenapthylene (0.089 µg/L), flourene (0.306 µg/L) and phenanthrene (0.08 µg/L). All other analytes were reported as ND at or above each analytes respective MDL.

Analytical results for BTEX analyses for the sample collected from groundwater monitoring well MW-10 on November 15, 2004 indicated benzene concentrations of 1,250 µg/L, and total BTEX concentrations of 1,610 µg/L. Benzene was the only analyte reported above the NMWQCC groundwater standards. The sample collected from this groundwater monitoring well was not analyzed for PAHs.

Analytical results for BTEX analyses for the sample collected from groundwater monitoring well MW-11 on November 15, 2004 were reported as ND at or above each analytes respective laboratory MDL for all analytes. The sample collected from this groundwater monitoring well was not analyzed for PAHs.

A summary of groundwater analytical results is included as Table 2 and Table 3 and illustrated on Figures 4 through 14. Copies of the analytical results for samples collected on April 20, July 14, September 14 and December 21, 2004 are included as Appendix A.

VIII. Recommendations

Based on field monitoring and analytical results collected during the past year and analyzed in conjunction with data collected during the initial investigation, the following recommendations are made:

1) Reduce the monitoring and PSH recovery frequency of the groundwater monitoring well network from a semi-monthly basis to a monthly basis. Should PSH levels increase in the impacted groundwater monitoring well and/or should additional wells indicate the presence of PSH, the groundwater monitoring well network should be monitored on a semi-monthly basis.

2) Continue to sample the groundwater monitoring well network on a quarterly basis and submit the samples for quantification of BTEX. Please reference Table 5 for a summary of groundwater sampling recommendations for the site. In the event PSH are not detected during a sampling event in groundwater monitoring wells currently impacted with PSH, these wells will be included in the quarterly sampling event.

3) The samples should be analyzed for the presence of PAHs annually.

FIGURES

Figure 1
Area Map
Plains Pipeline, L.P.
Livingston Line – Bob McCasland

Lea County, New Mexico
NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E
N 32° 30' 18.8" W 103° 09' 6.48"
Elevation: 3,427 feet amsl

DWG By: Iain Olness
April 2004

REVISED:
Mar. 2005

0 4,000 8,000
Feet

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1 of 1

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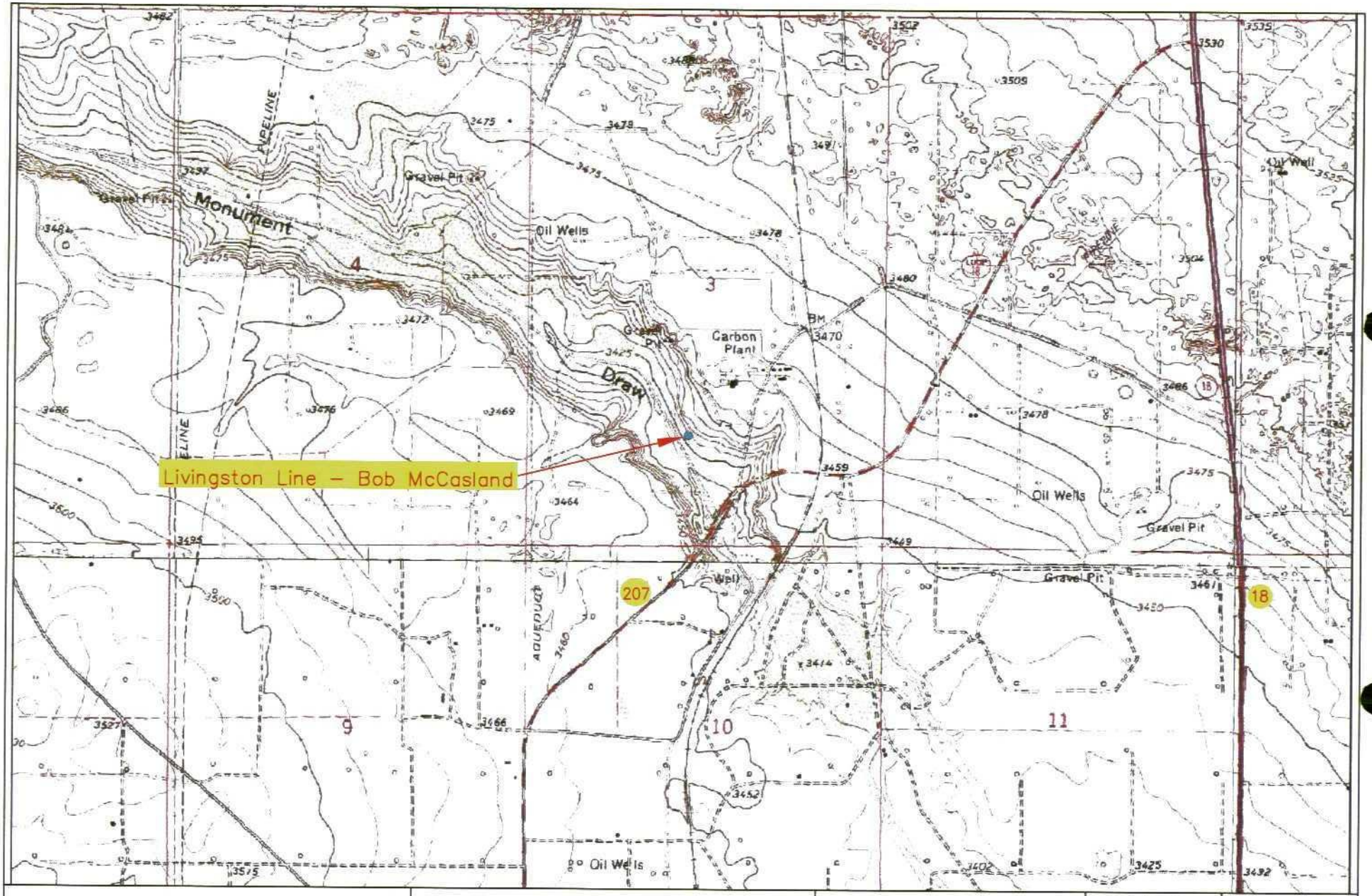

Figure 2 Site Location Map Plains Pipeline, L.P. Livingston Line – Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED: Mar. 2005	N
		0 2,000 4,000 Feet	SHEET 1 of 1	

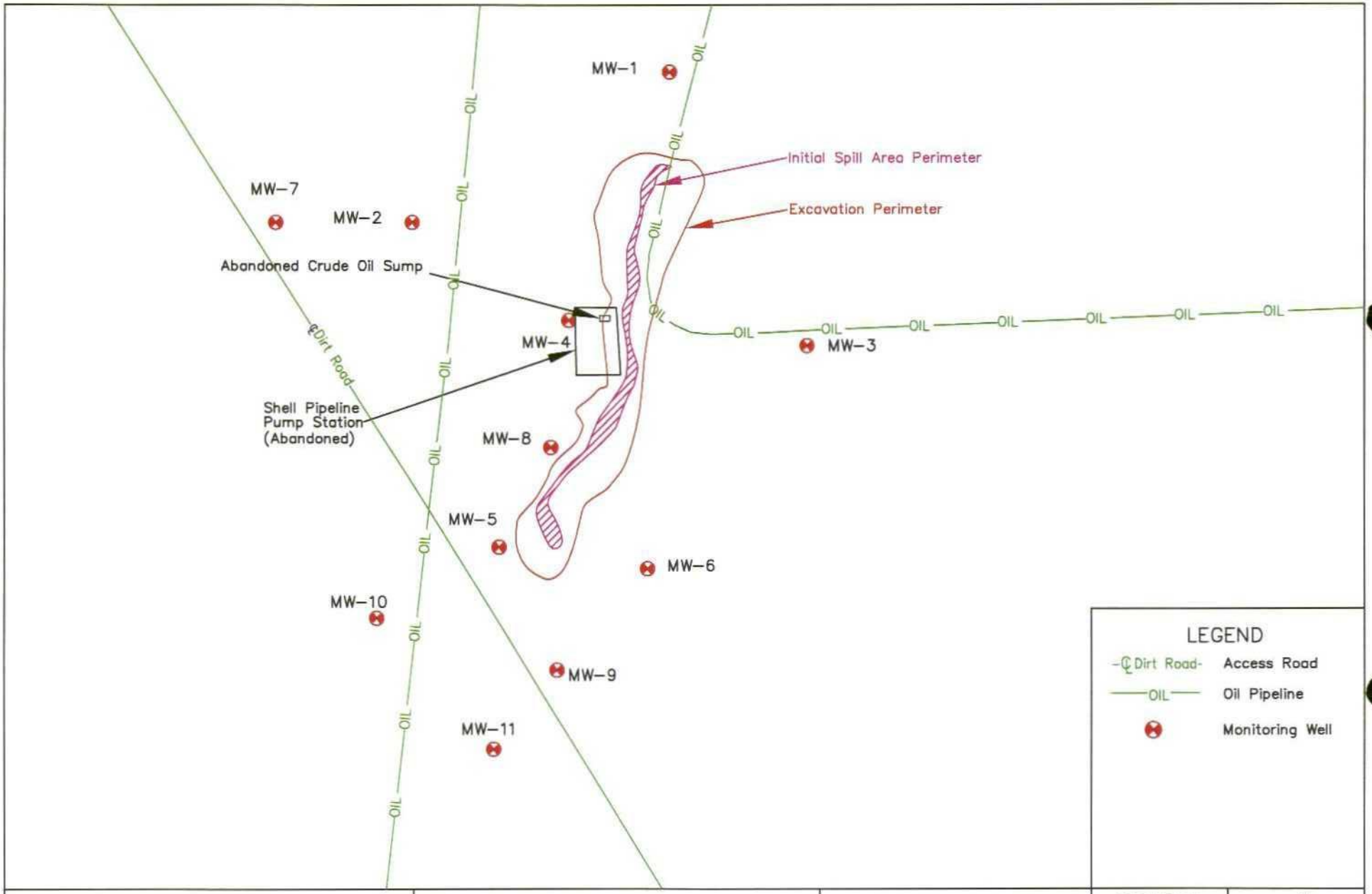

Figure 3
Site Map
Plains Pipeline, L.P.
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Lea County, New Mexico
NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E
N 32° 30' 18.8" W 103° 09' 6.48"
Elevation: 3,427 feet amsl

DWG By: Iain Olness
April 2004

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Mar. 2005

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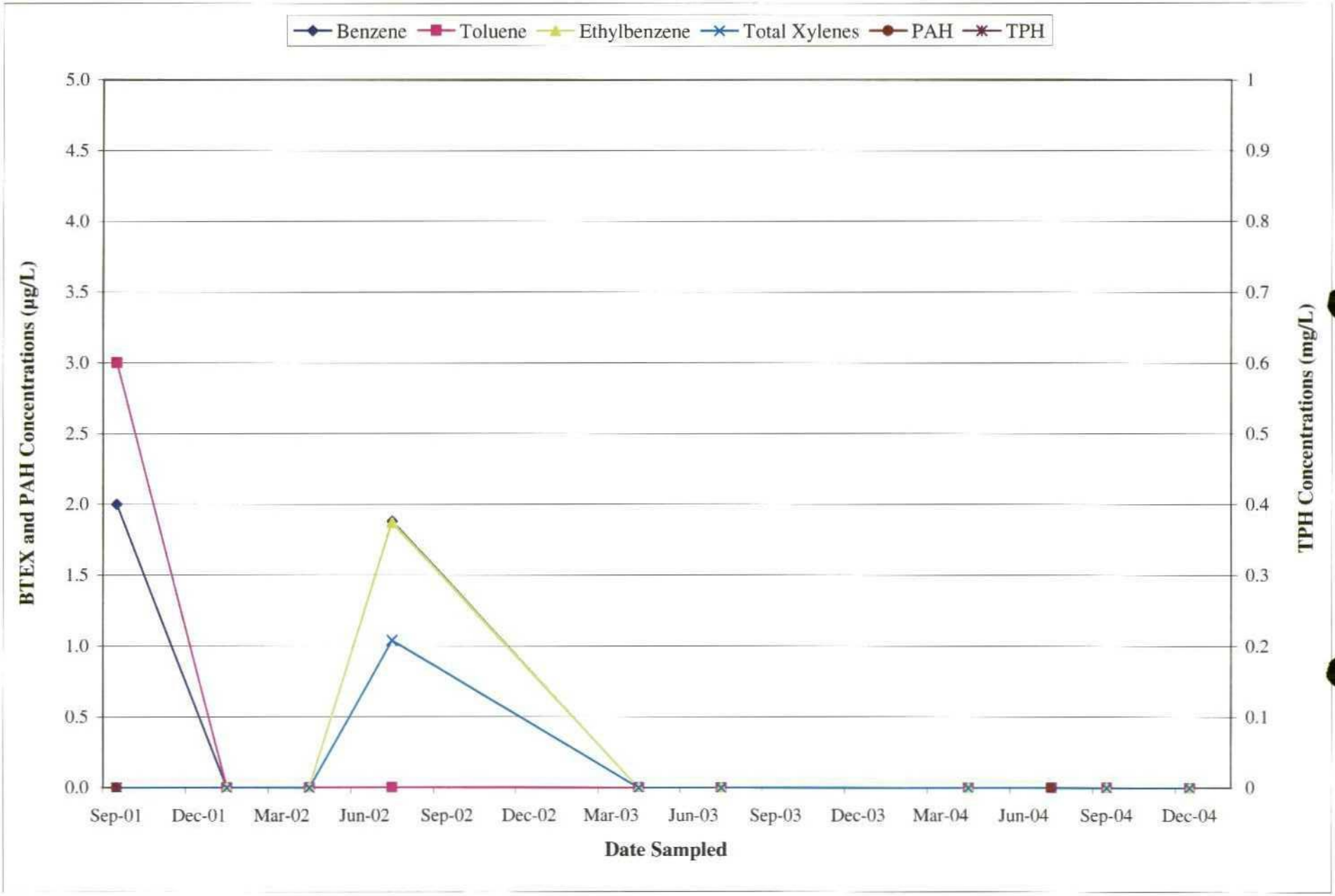


Figure 4: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-1 from 09/13/01 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

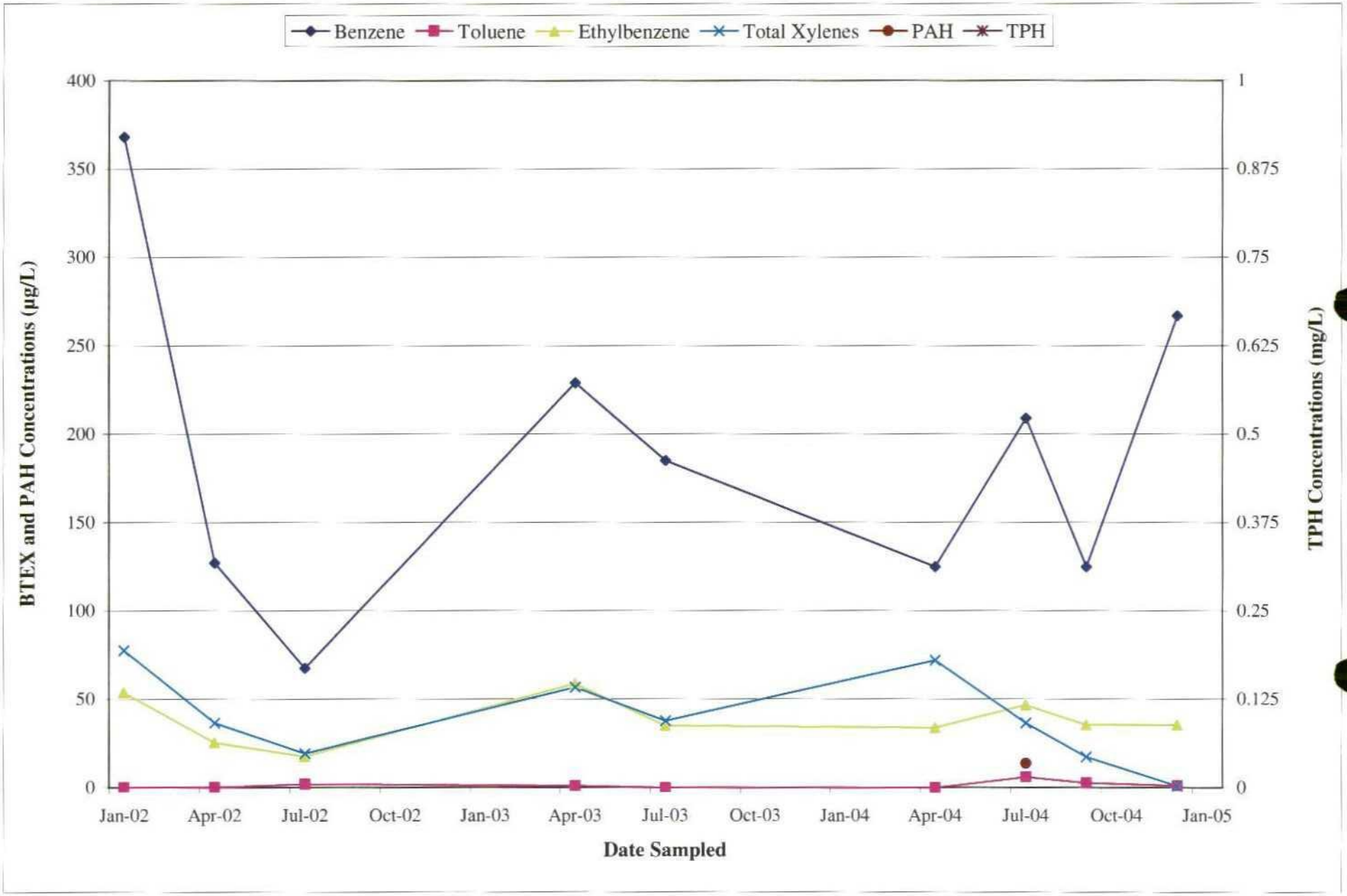


Figure 5: BTEX, PAH and BTEX Concentrations in Groundwater Monitoring Well MW-2 from 01/24/02 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

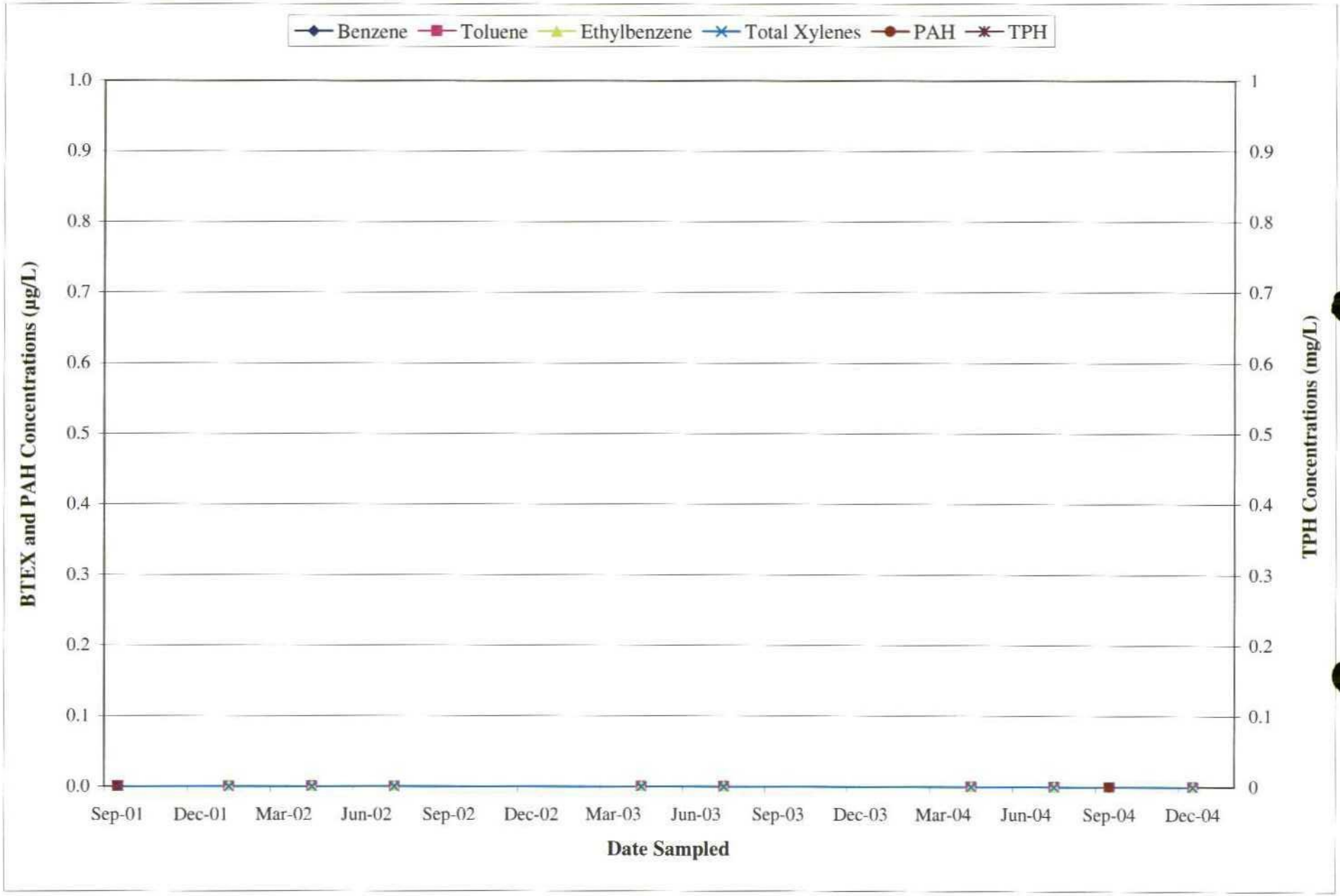


Figure 6: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-3 from 09/13/01 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

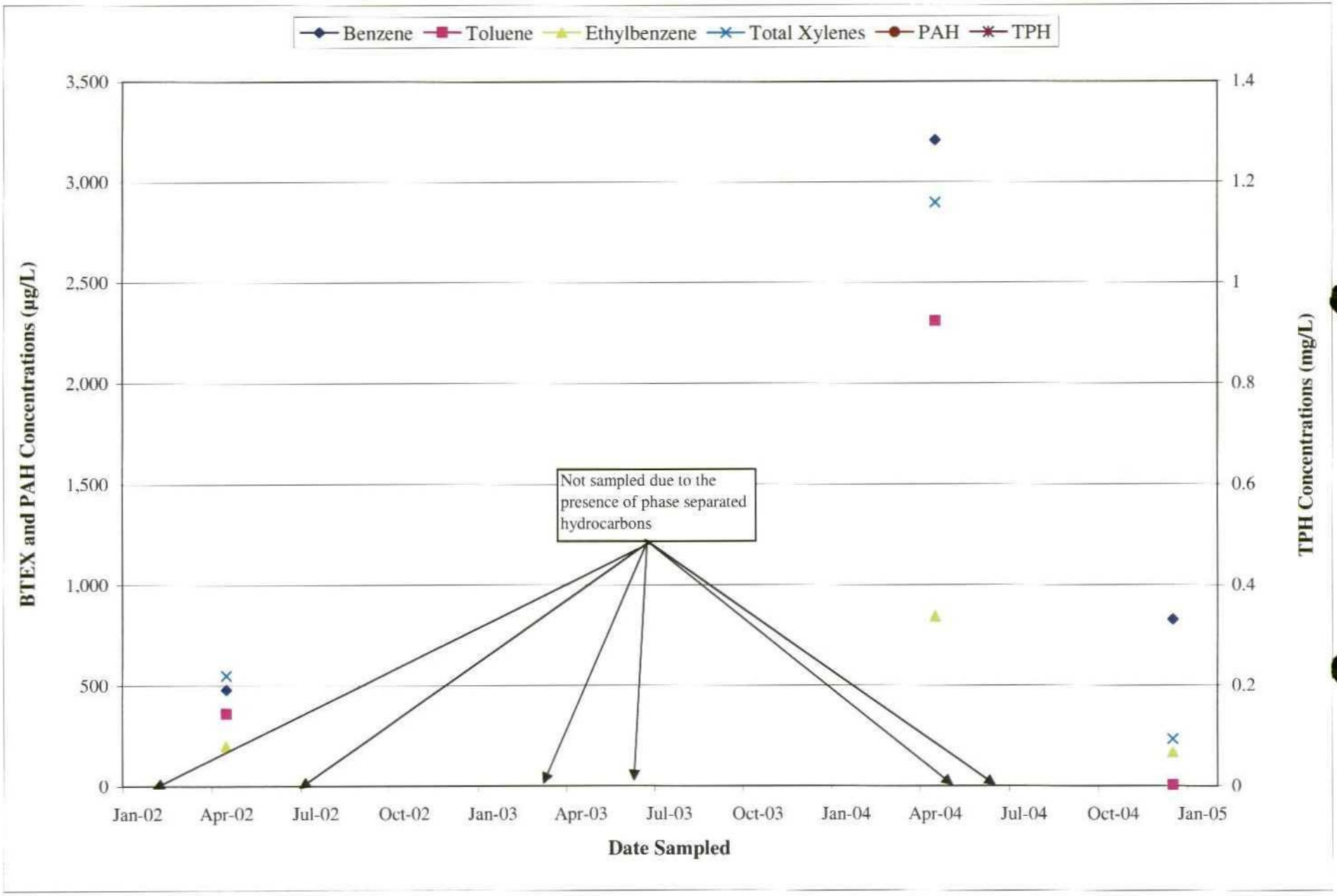


Figure 7: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-4 from 01/24/02 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

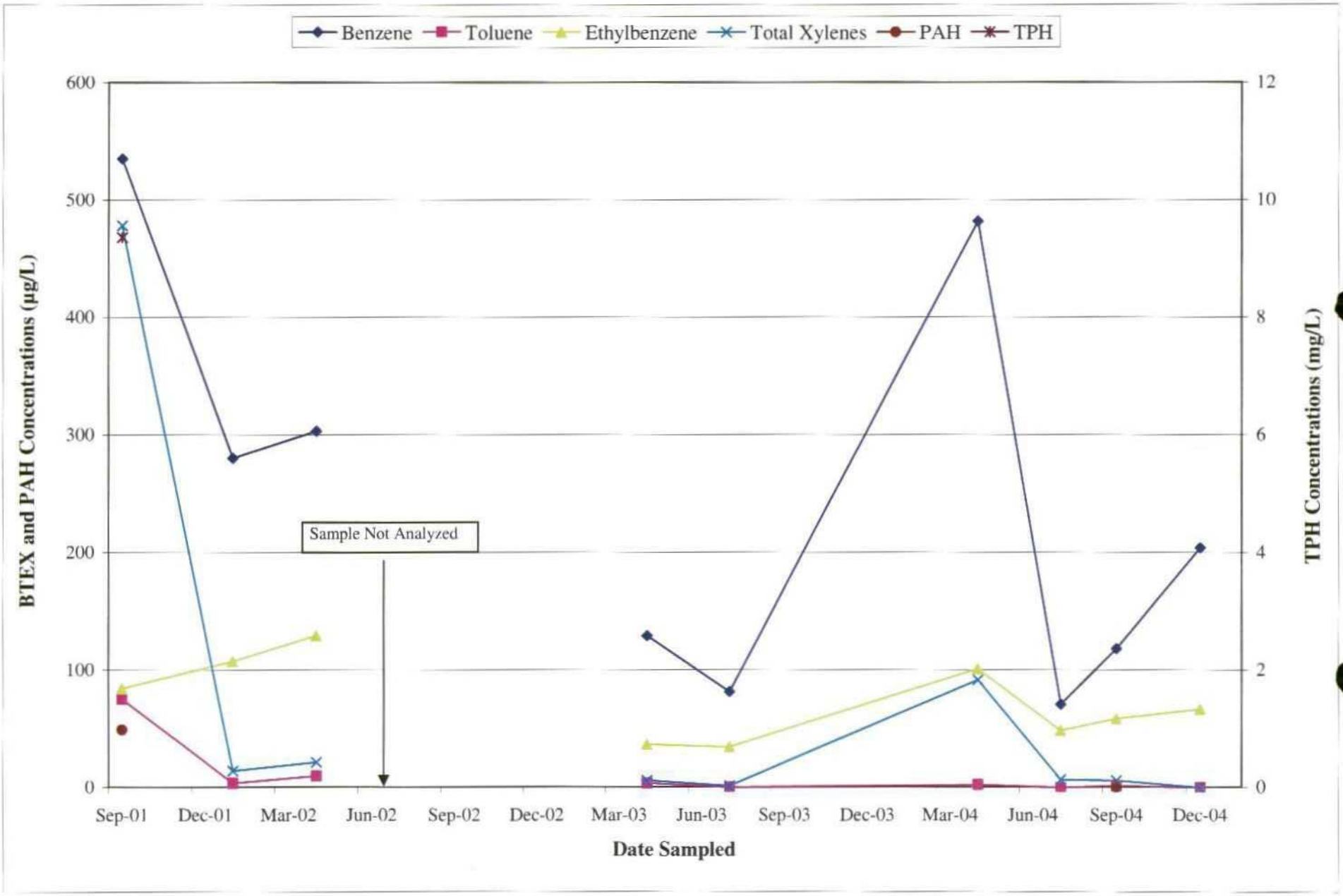


Figure 8: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-5 from 09/13/01 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

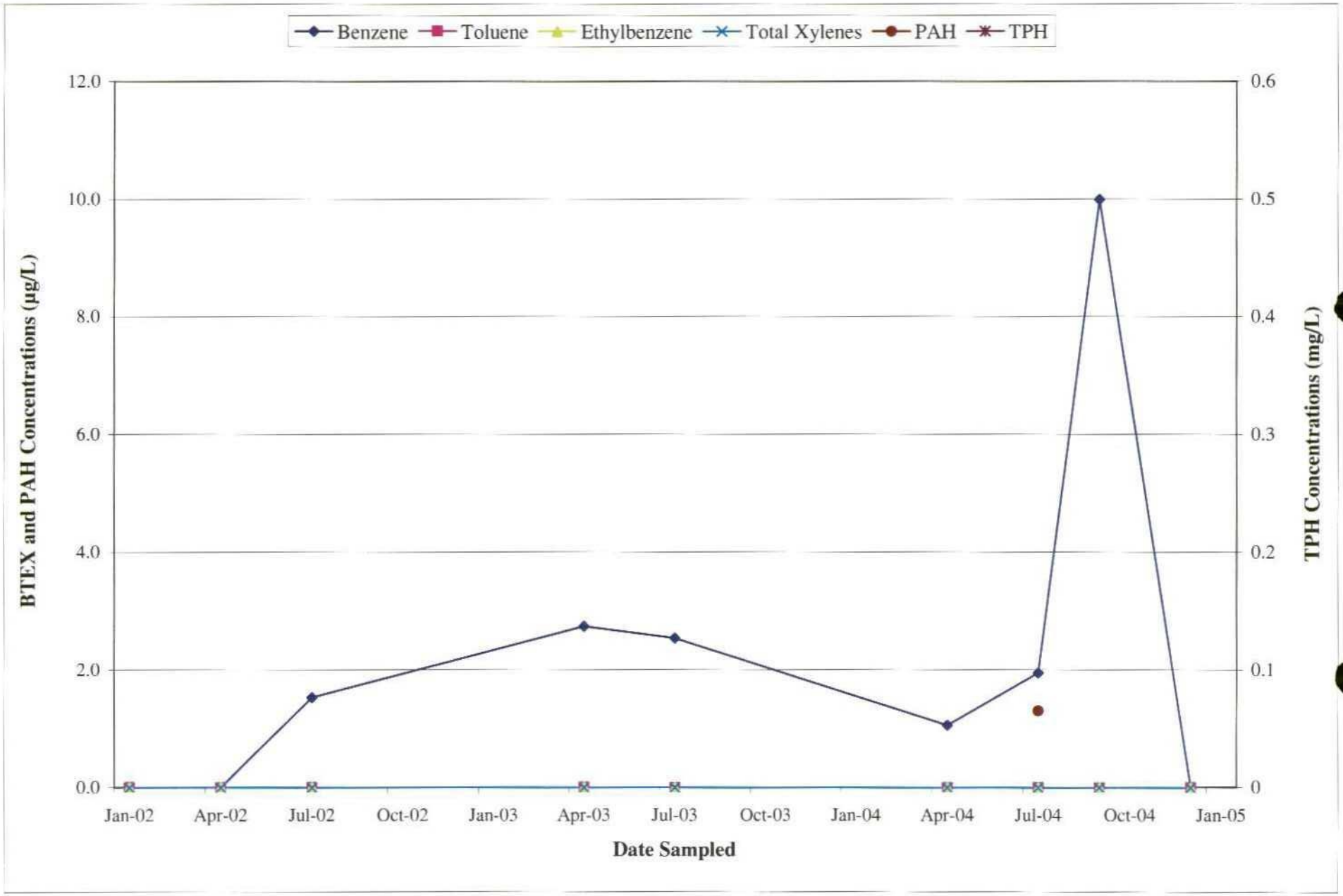


Figure 9: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-6 from 01/24/02 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

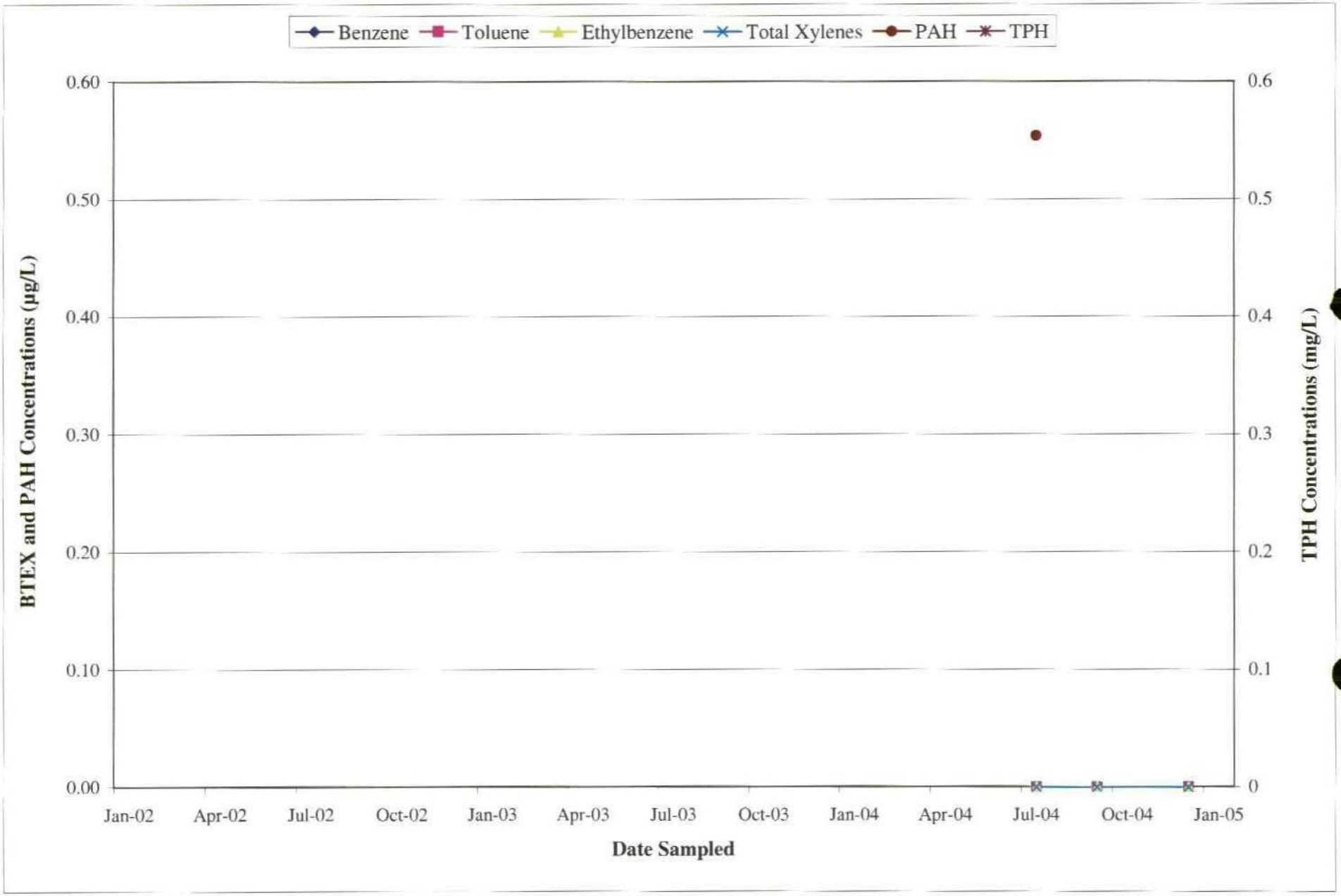


Figure 10: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-7 from 07/14/04 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

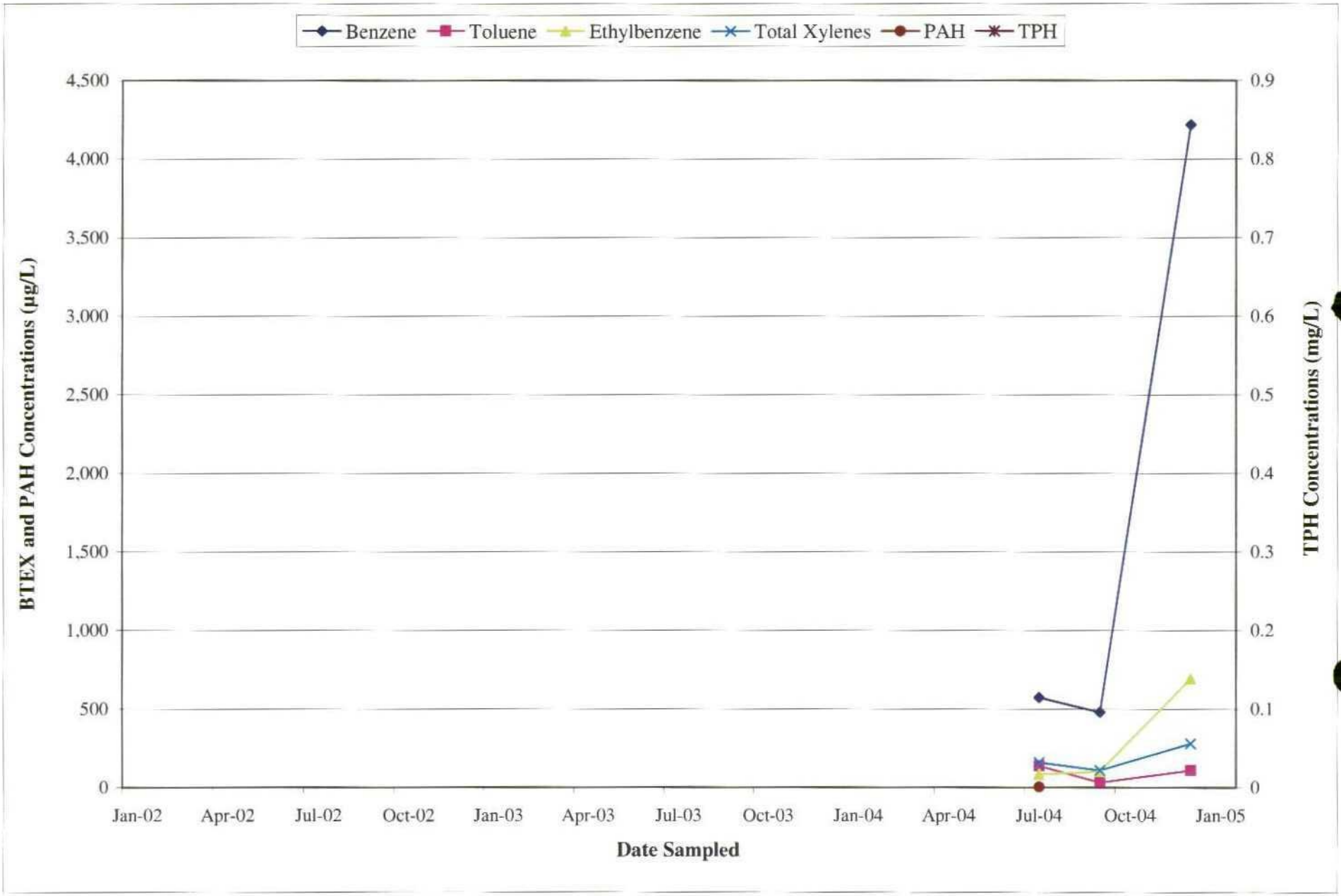


Figure 11: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-8 from 07/14/04 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

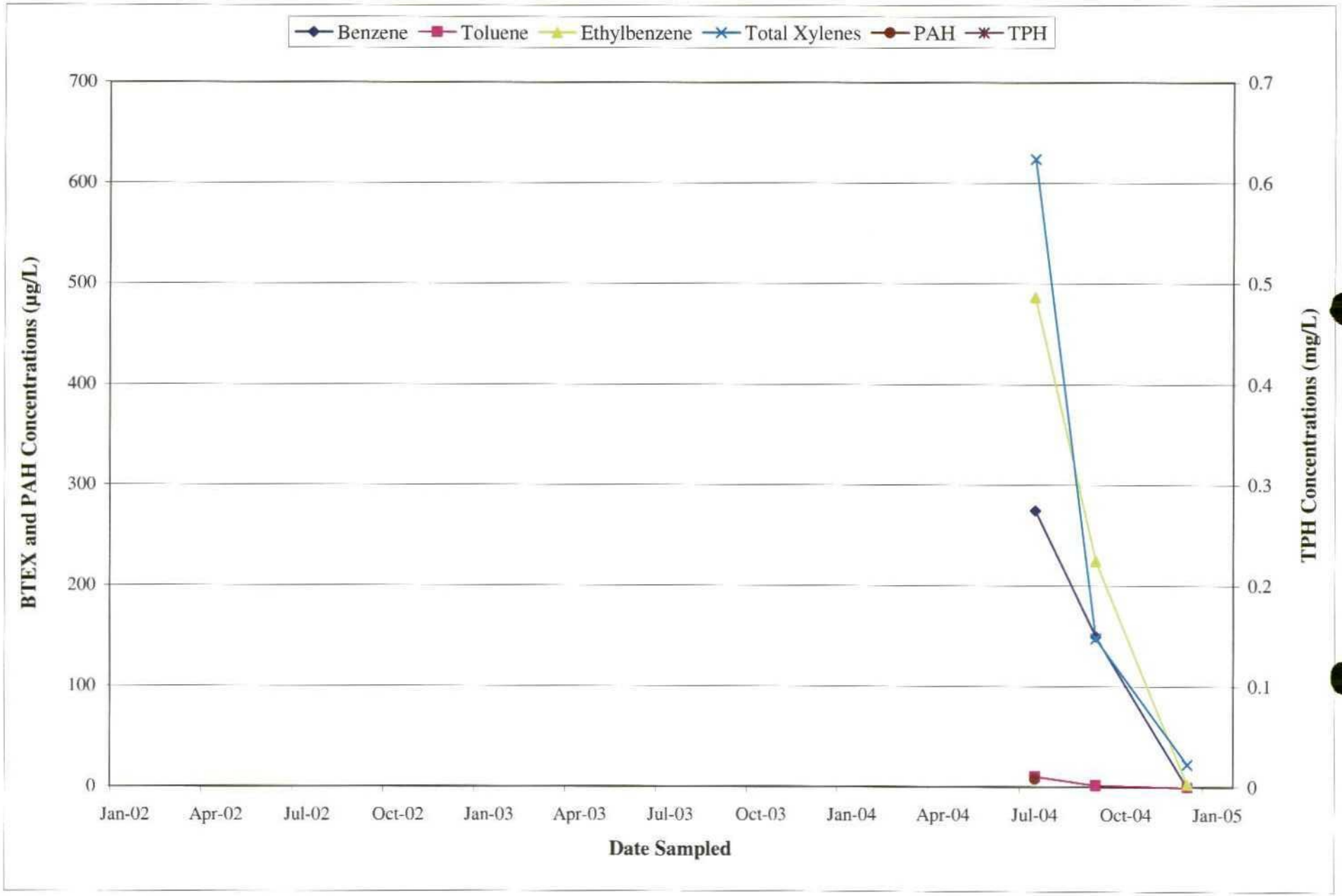


Figure 12: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-9 from 07/14/04 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

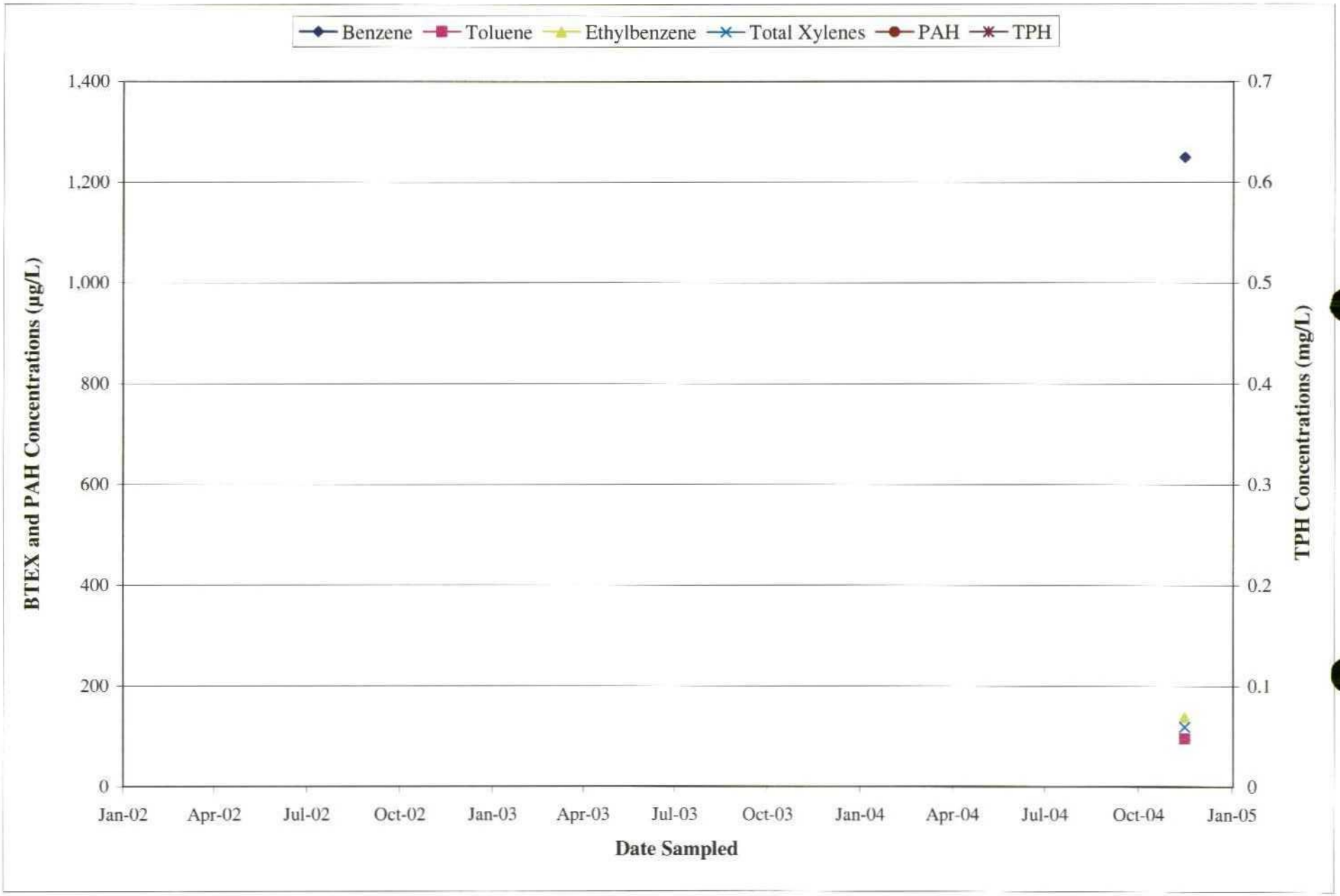


Figure 13: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-10 from 11/15/04 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

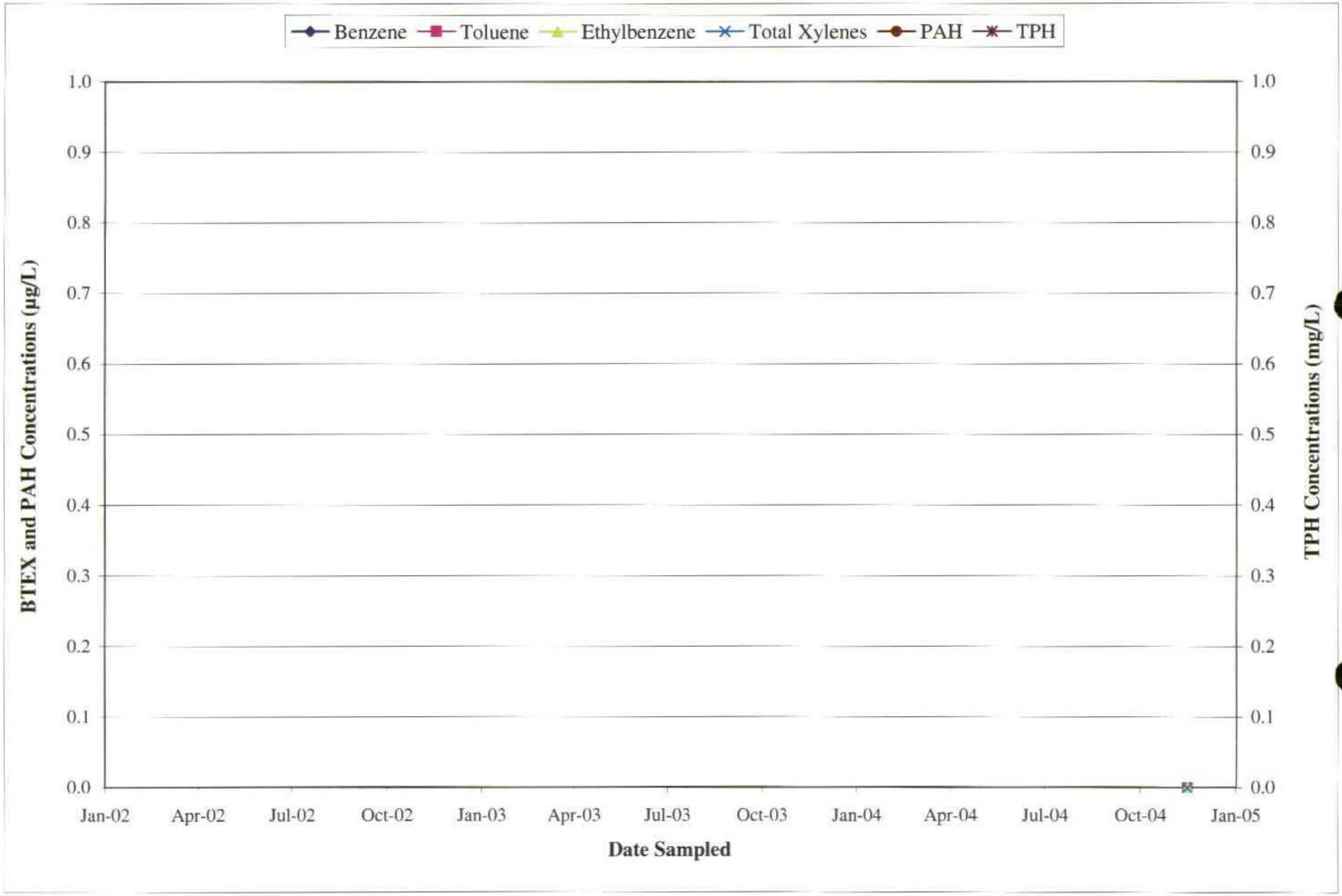


Figure 14: BTEX, PAH and TPH Concentrations in Groundwater Monitoring Well MW-11 from 11/15/04 through 12/31/04, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexico.

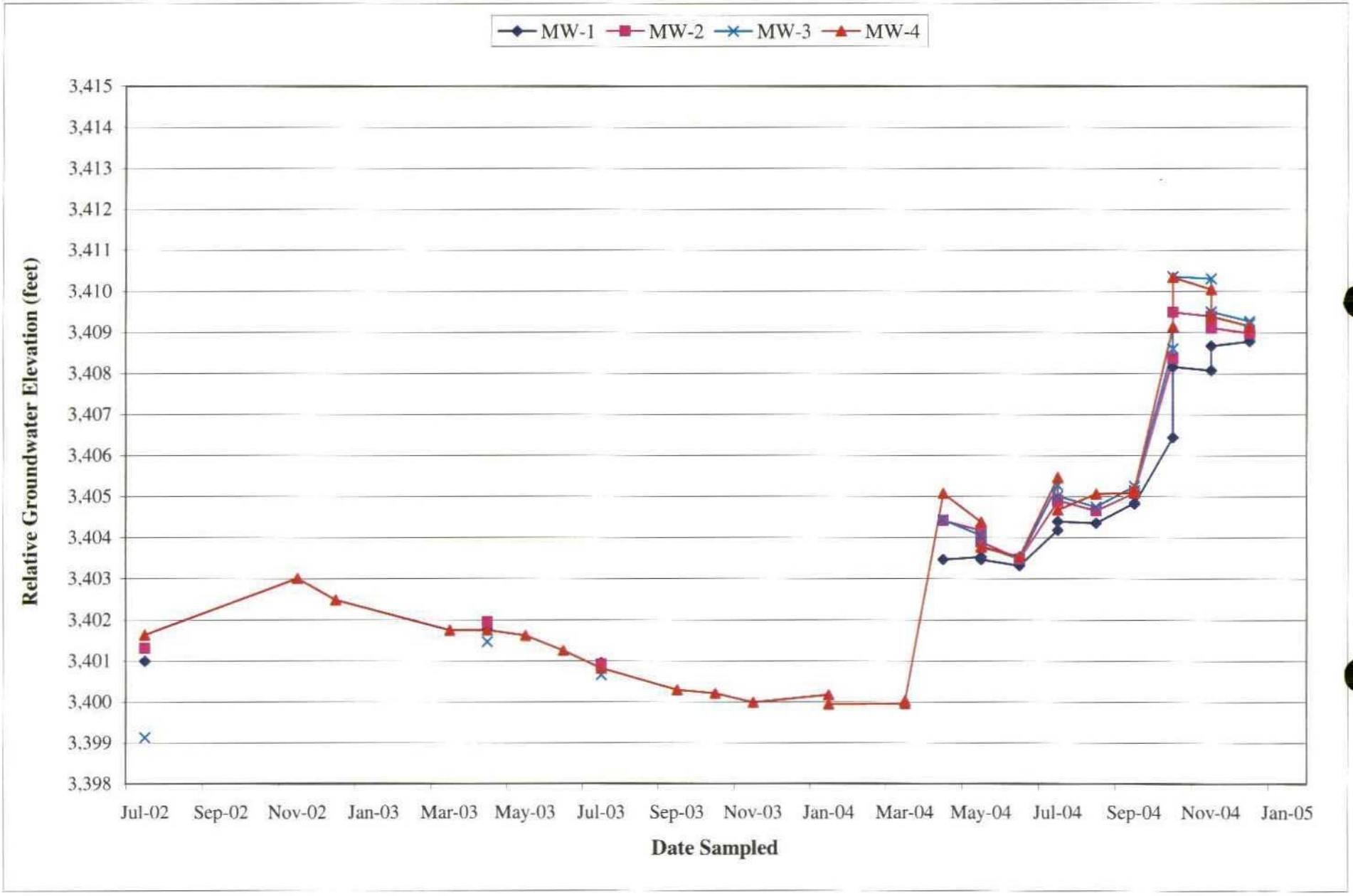


Figure 15: Hydrograph for Groundwater Monitoring Wells MW-1 through MW-4, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexcio from 07/10/02 through 12/31/04.

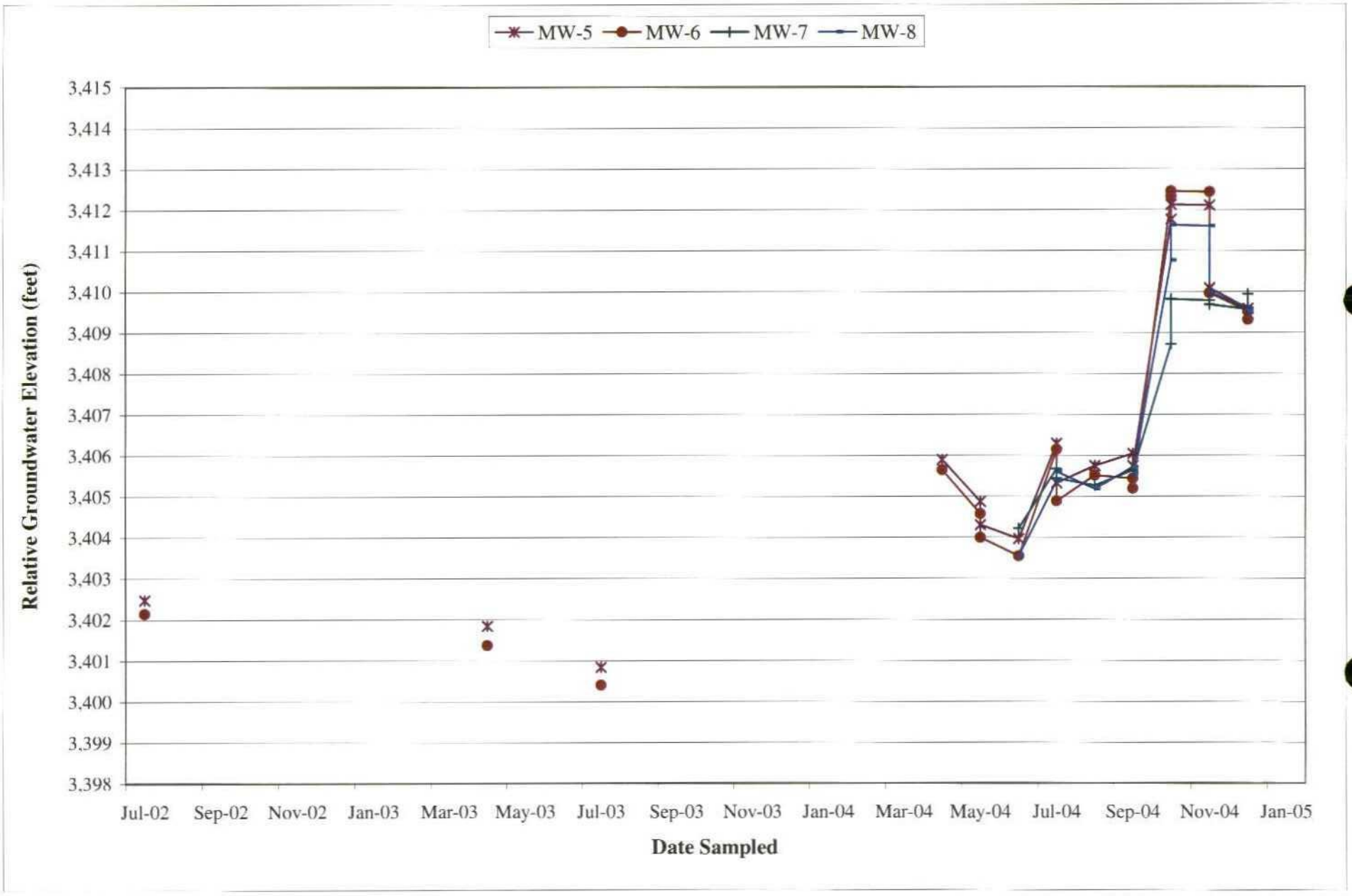


Figure 16: Hydrograph for Groundwater Monitoring Wells MW-5 through MW-8, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexcio from 07/10/02 through 12/31/04.

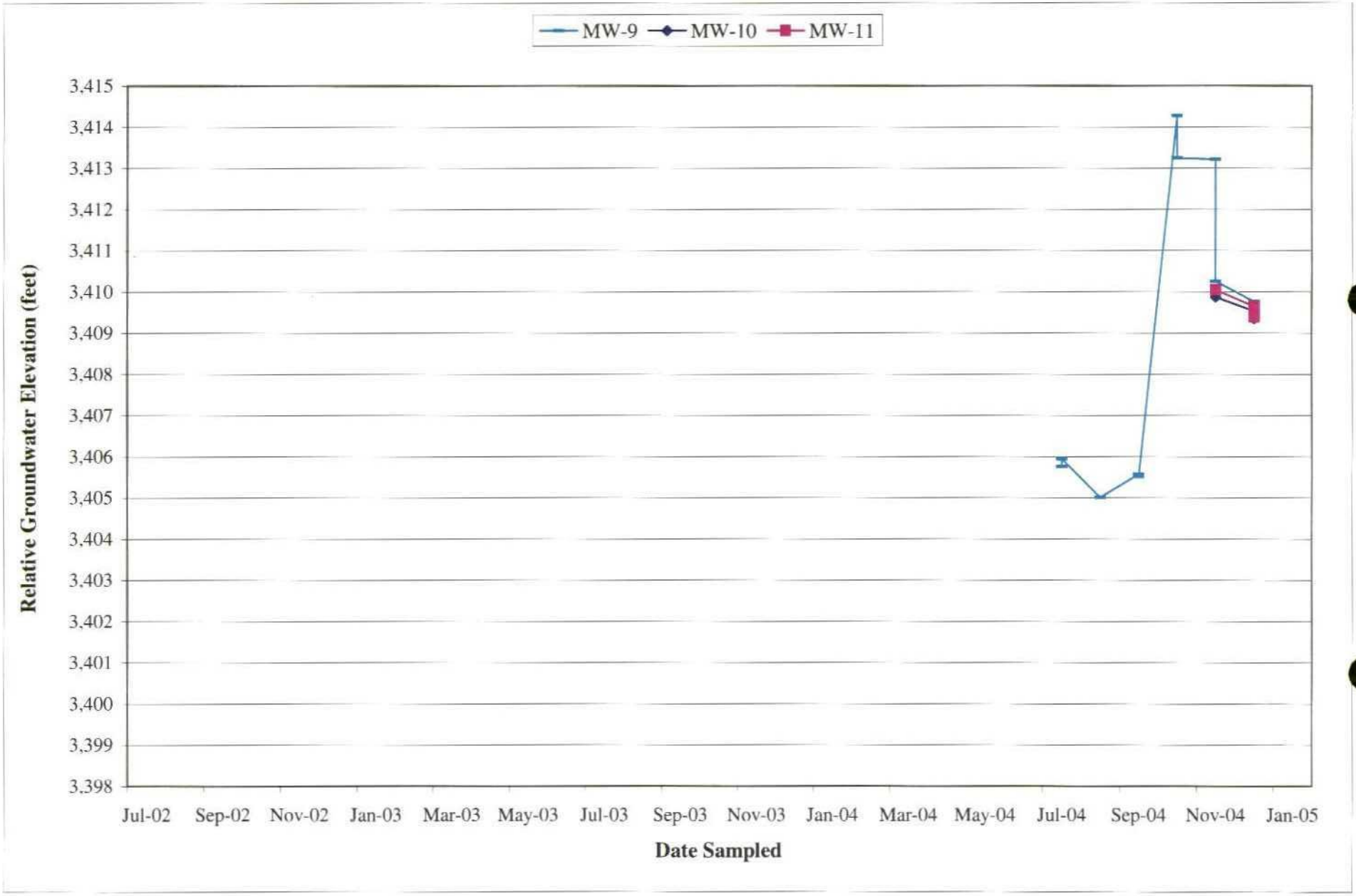
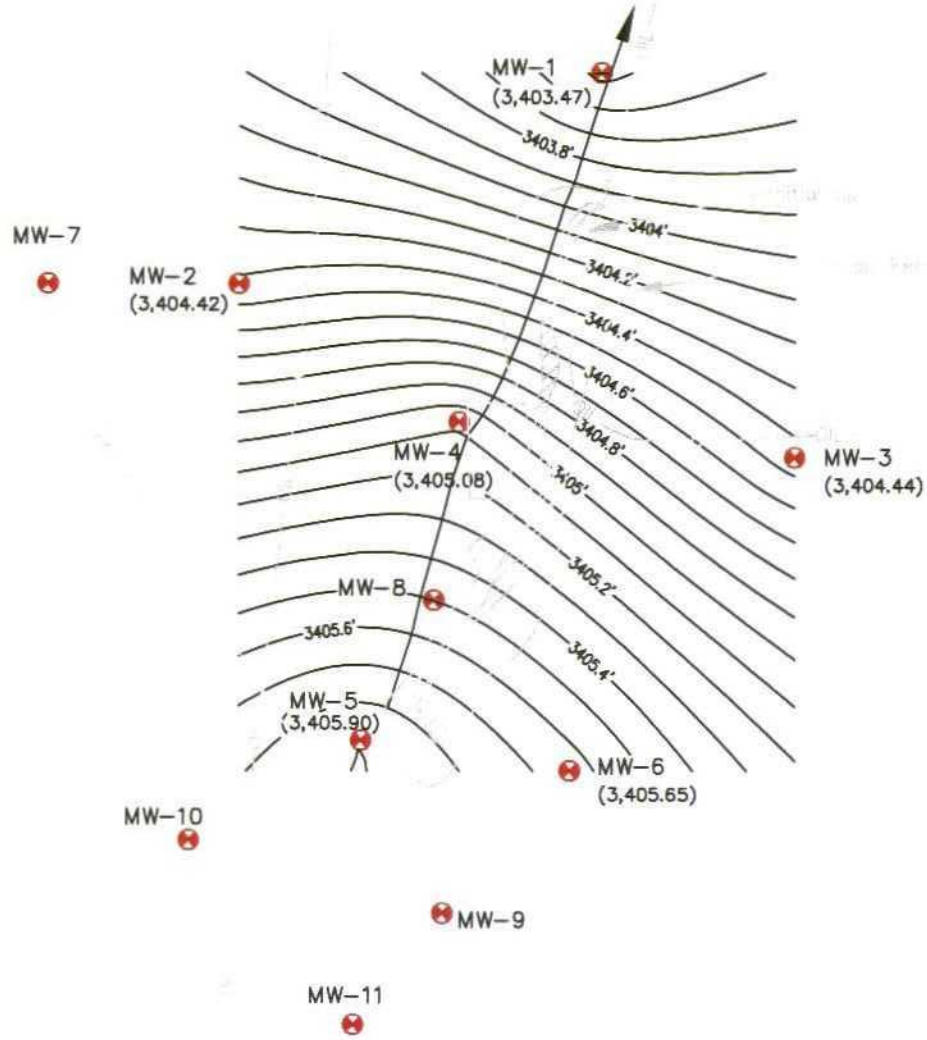


Figure 17: Hydrograph for Groundwater Monitoring Wells MW-9 through MW-11, Plains Pipeline, L.P., Livingston Line - Bob McCasland, Lea County, New Mexcio from 07/10/02 through 12/31/04.



LEGEND

- Monitoring Well
- (3,405.65) Groundwater Level
- 3,405.4' Groundwater Contour
- Approximate Direction of Groundwater Flow

Figure 18 Groundwater Contour Map – 04/20/04 Plains Pipeline, L.P. Livingston Line – Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED Mar. 2005	N
		0 100 200 Feet	SHEET 1 of 1	

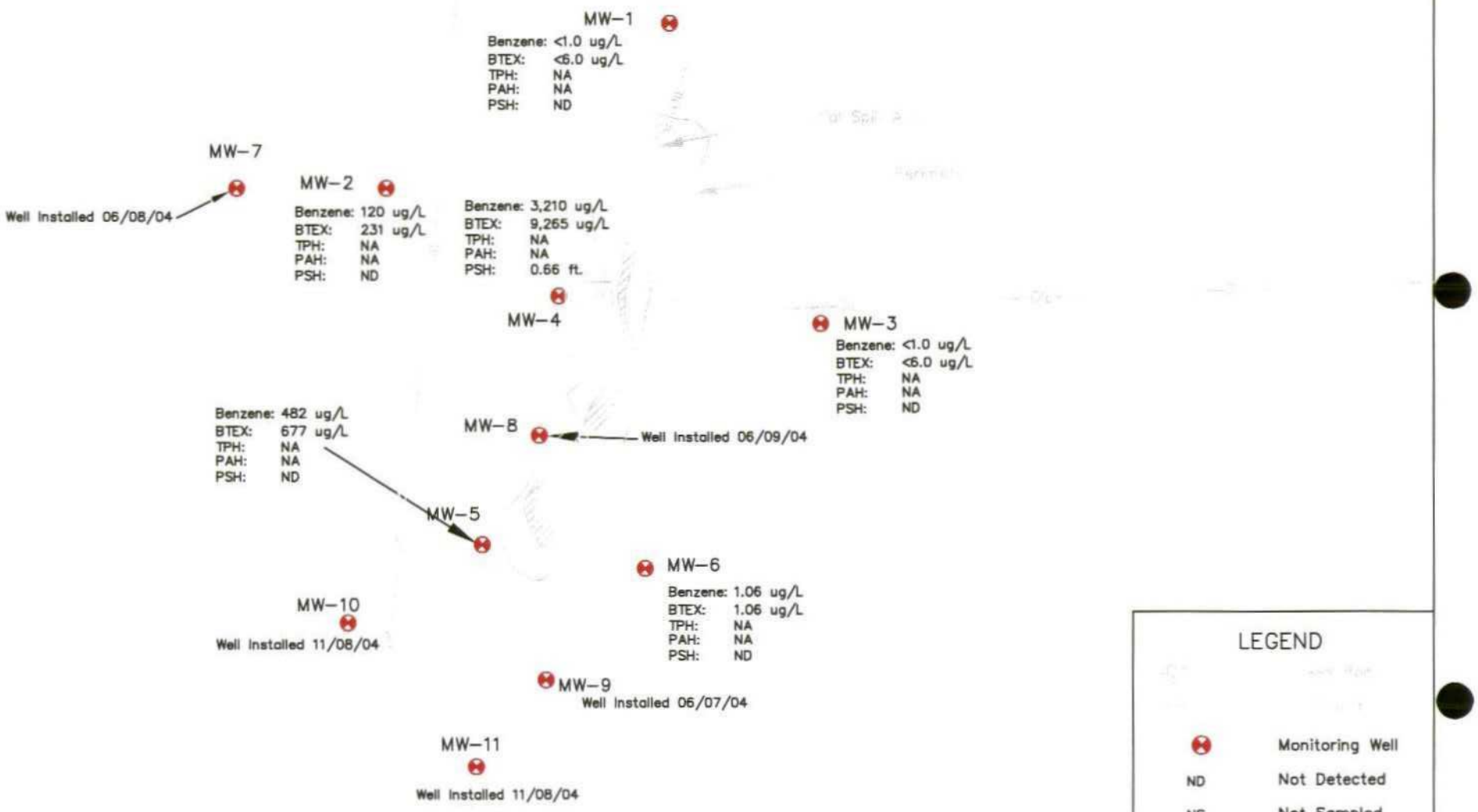
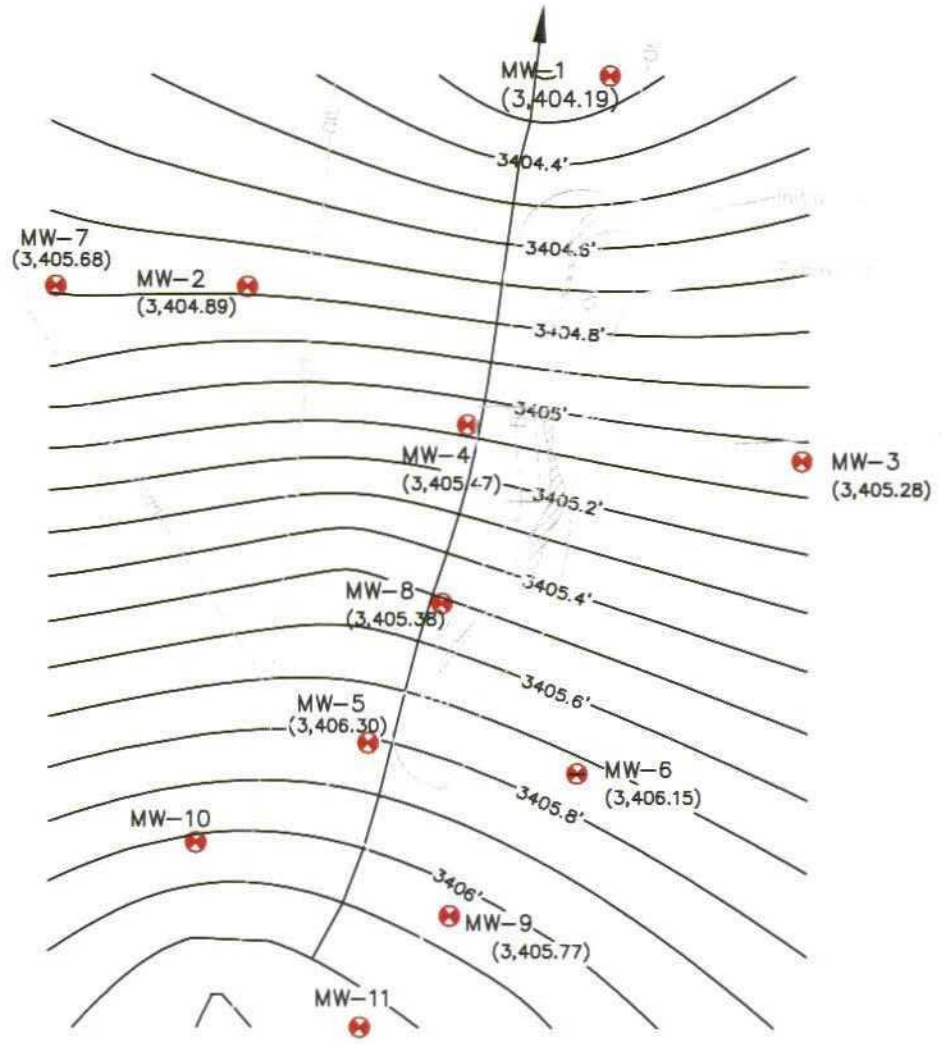


Figure 19 Contaminant Concentration Map – 04/20/04 Plains Pipeline, L.P. Livingston Line – Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED Mar. 2005	N
		0 100 200 Feet	SHEET 1 of 1	



LEGEND

- Monitoring Well
- (3,405.65) Groundwater Level
- 3,405.4' Groundwater Contour
- Approximate Direction of Groundwater Flow

Data from groundwater monitoring wells MW–7, MW–8 and MW–9 were not utilized to constructTtis groundwater contour map.

Figure 20 Groundwater Contour Map – 07/14/04 Plains Pipeline, L.P. Livingston Line – Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED Mar. 2005	N
		0 100 200 Feet	SHEET 1 of 1	

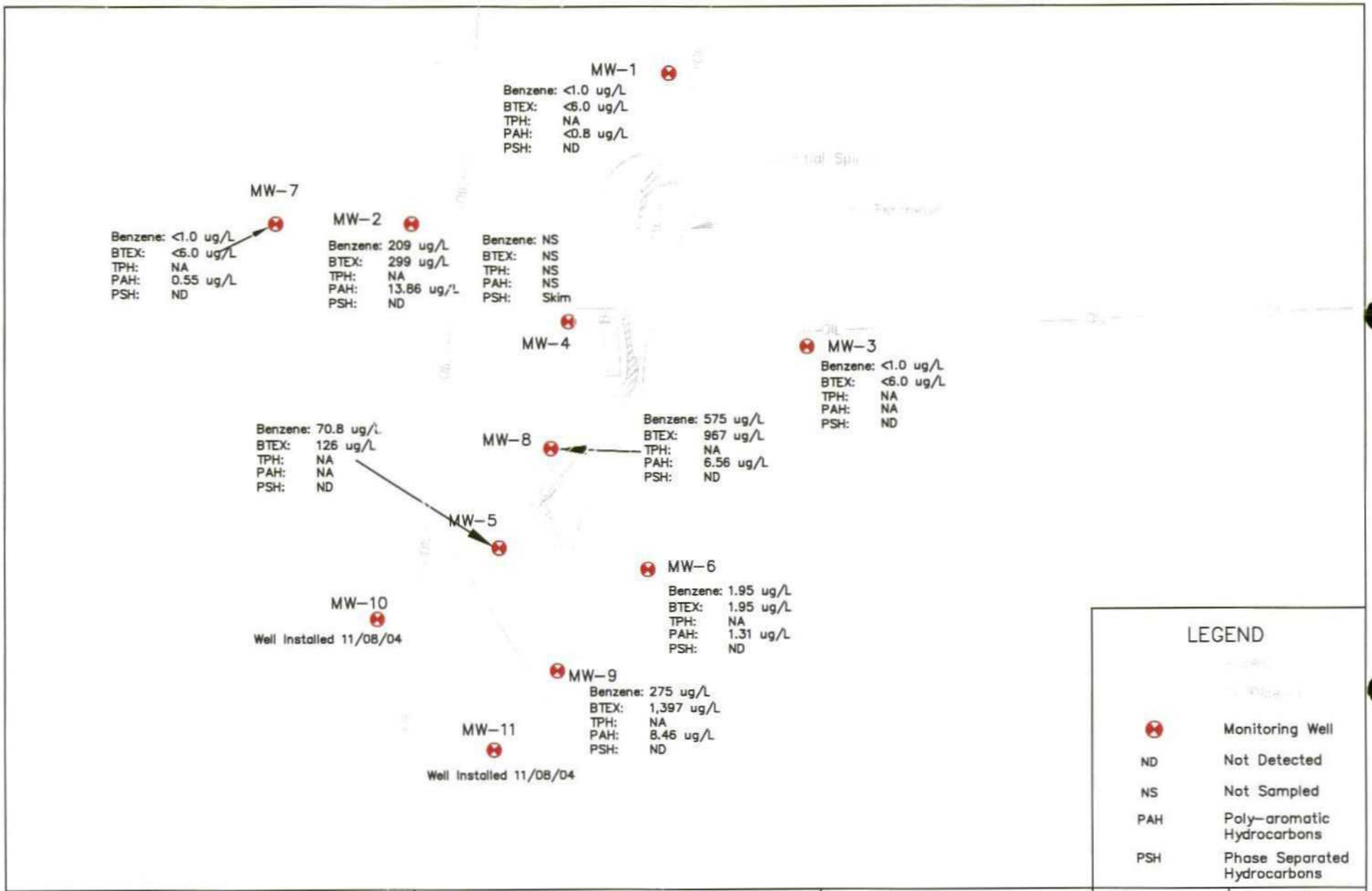
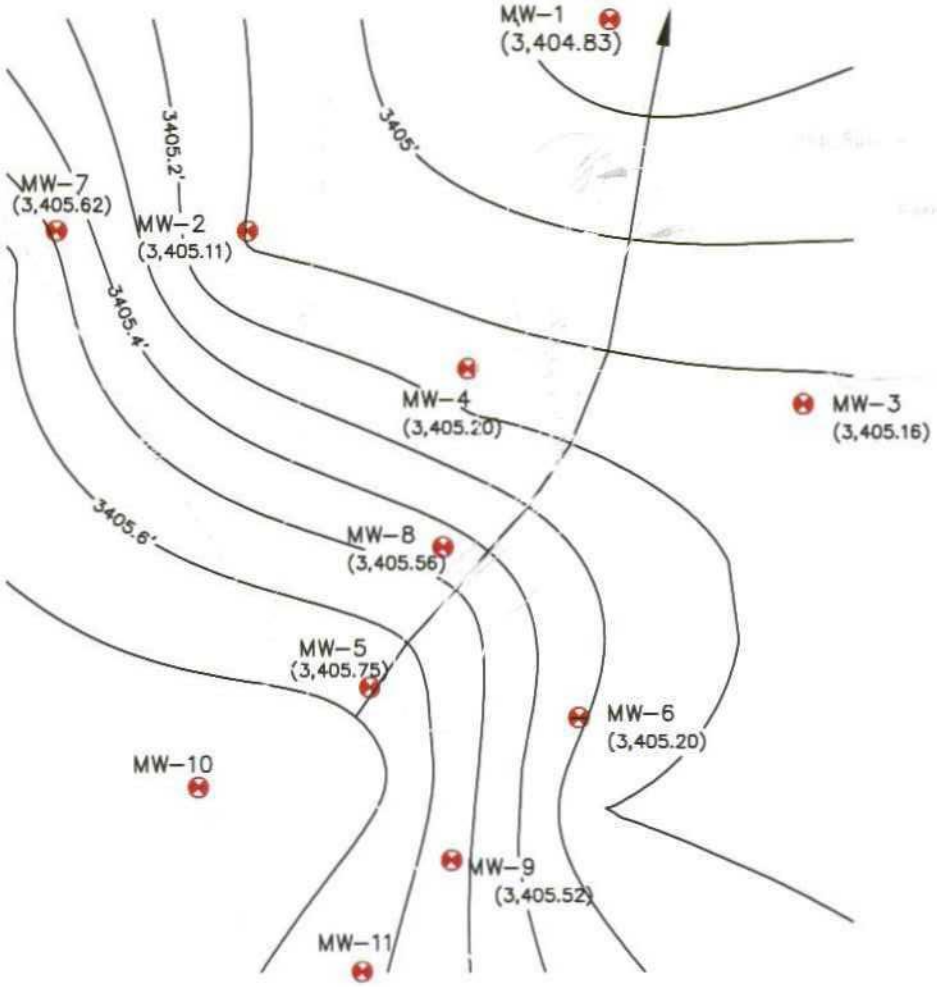


Figure 21 Contaminant Concentration Map – 07/14/04 Plains Pipeline, L.P. Livingston Line – Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED Mar. 2005	SHEET 1 of 1



LEGEND

- Monitoring Well
- (3,405.65) Groundwater Level
- 3,405.4' Groundwater Contour
- Approximate Direction of Groundwater Flow

Figure 22 Groundwater Contour Map – 09/14/04 Plains Pipeline, L.P. Livingston Line – Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED Mar. 2005	N
		0 100 200 Feet	SHEET 1 of 1	

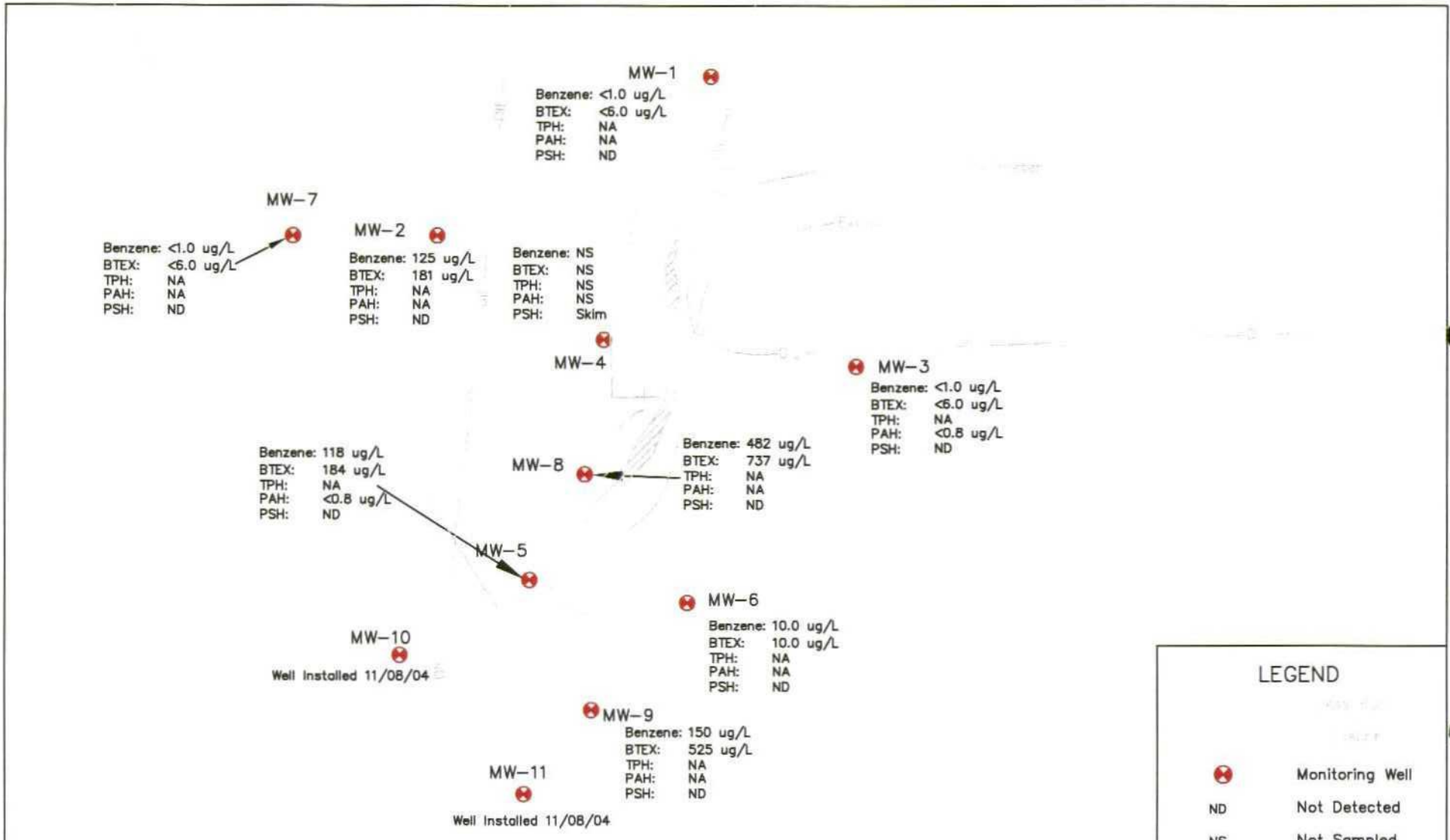
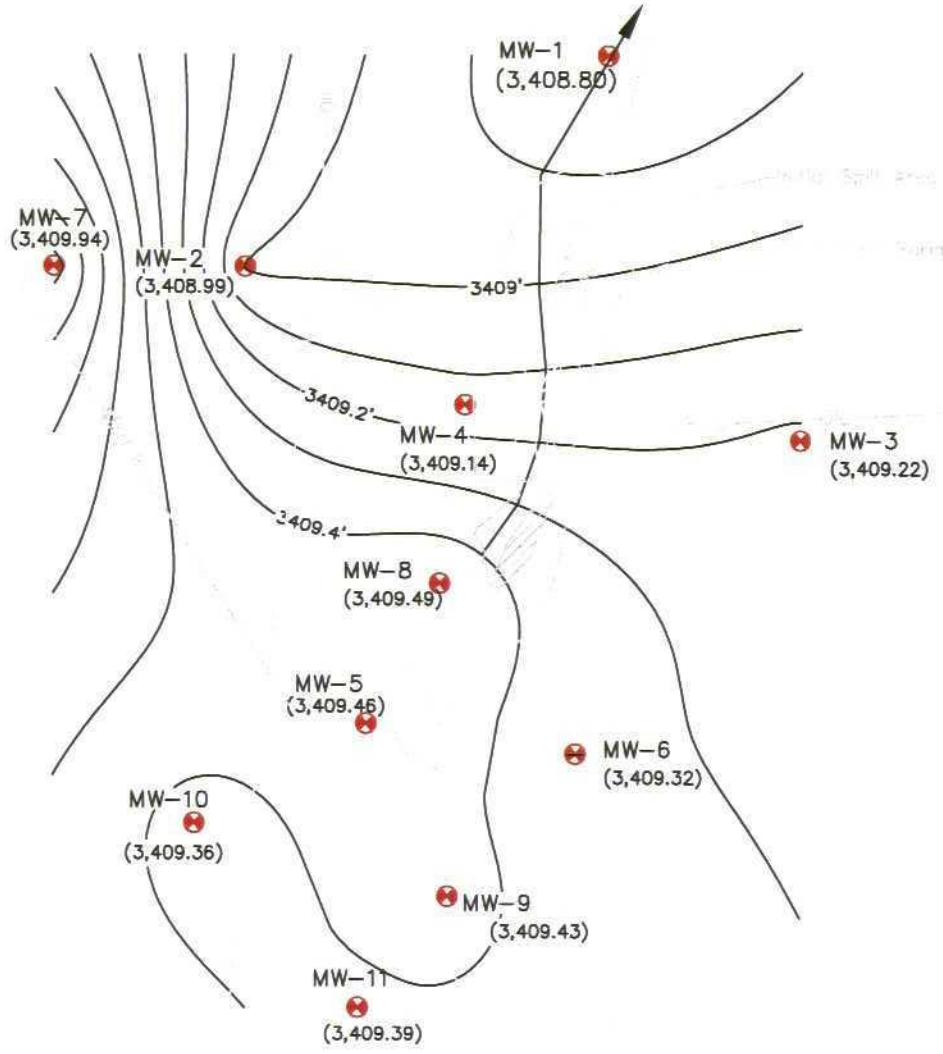


Figure 23 Contaminant Concentration Map – 09/14/04 Plains Pipeline, L.P. Livingston Line – Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED Mar. 2005	N
		0 100 200 Feet	SHEET 1 of 1	



LEGEND

- Monitoring Well
- (3,405.65) Groundwater Level
- 3,405.4' Groundwater Contour
- Approximate Direction of Groundwater Flow

Figure 24 Groundwater Contour Map – 12/21/04 Plains Pipeline, L.P. Livingston Line – Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 100 200 Feet	REVISED Mar. 2005 SHEET 1 of 1	N

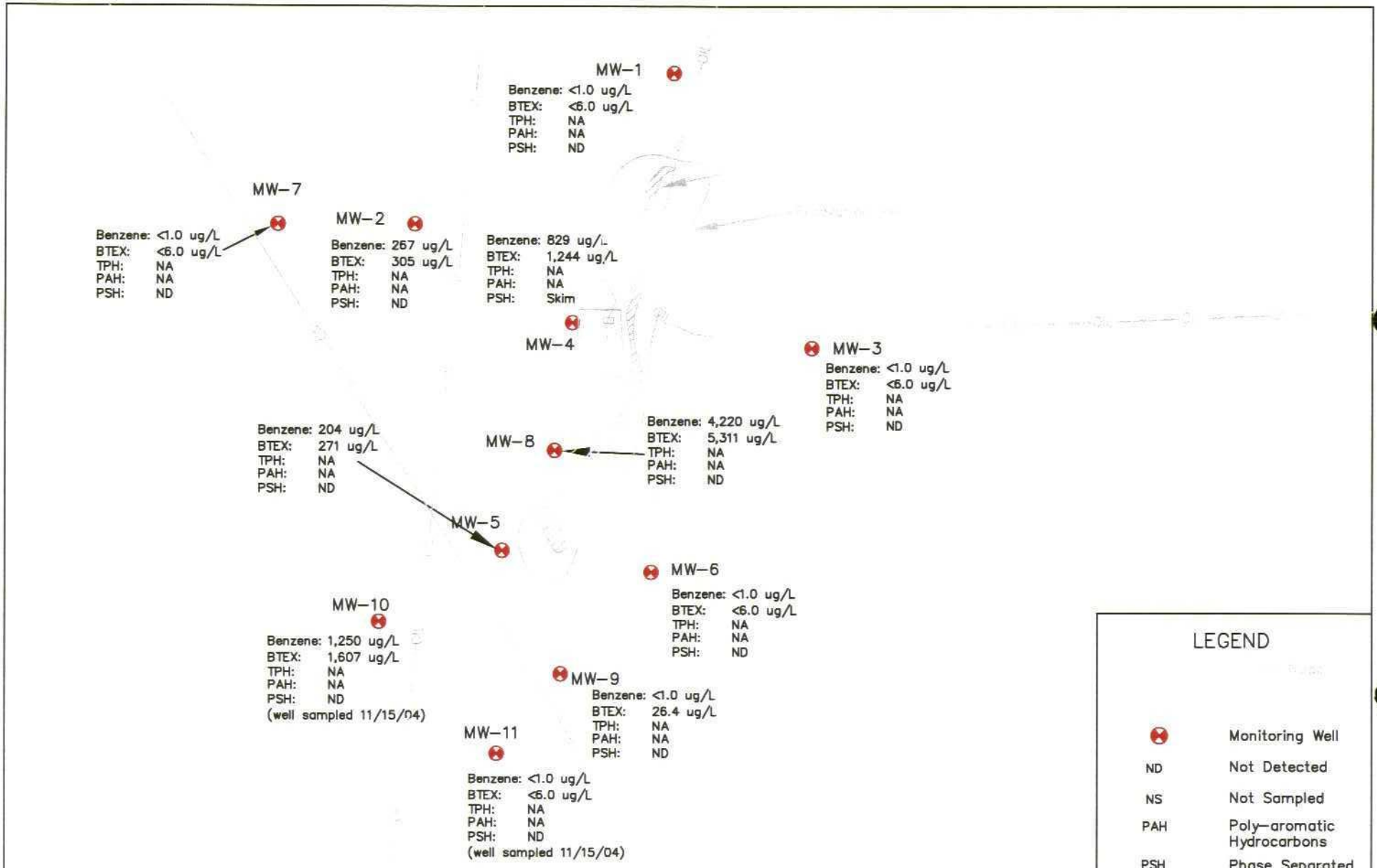


Figure 25
Contaminant Concentration Map – 12/21/04
Plains Pipeline, L.P.
Livingston Line – Bob McCasland

Lea County, New Mexico
NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E
N 32° 30' 18.8" W 103° 09' 6.48"
Elevation: 3,427 feet amsl

DWG By: Iain Olness
April 2004

REVISED
Mar. 2005

SHEET
1 of 1

TABLES

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-1	10-Jul-02	3,439.09	- -	38.10	3,400.99	- -
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		- -	37.31	3,401.78	- -
	2-May-03					
	16-Jun-03					
	14-Jul-03		- -	38.13	3,400.96	- -
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04		- -	35.62	3,403.47	- -
	7-May-04		- -	35.55	3,403.54	- -
	25-May-04		- -	35.62	3,403.47	- -
	10-Jun-04		- -	35.77	3,403.32	- -
	14-Jul-04		- -	34.90	3,404.19	- -
	21-Jul-04		- -	34.69	3,404.40	- -
	2-Aug-04		- -	34.73	3,404.36	- -
	10-Sep-04		- -	34.24	3,404.85	- -
	14-Sep-04		- -	34.26	3,404.83	- -
	5-Oct-04		- -	32.64	3,406.45	- -
	19-Oct-04		- -	30.92	3,408.17	- -
	2-Nov-04		- -	31.01	3,408.08	- -
	15-Nov-04		- -	30.41	3,408.68	- -
	6-Dec-04		- -	30.30	3,408.79	- -
	21-Dec-04		- -	30.29	3,408.80	- -
MW-2	10-Jul-02	3,432.62	- -	31.31	3,401.31	- -
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		- -	30.68	3,401.94	- -
	2-May-03					
	16-Jun-03					
	14-Jul-03		- -	31.70	3,400.92	- -
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-2 (cont.)	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04		- -	28.20	3,404.42	- -
	7-May-04		- -	28.44	3,404.18	- -
	25-May-04		- -	28.72	3,403.90	- -
	10-Jun-04		- -	29.14	3,403.48	- -
	14-Jul-04		- -	27.73	3,404.89	- -
	21-Jul-04		- -	27.71	3,404.91	- -
	2-Aug-04		- -	27.96	3,404.66	- -
	10-Sep-04		- -	27.52	3,405.10	- -
	14-Sep-04		- -	27.51	3,405.11	- -
	5-Oct-04		- -	24.25	3,408.37	- -
	19-Oct-04		- -	23.12	3,409.50	- -
	2-Nov-04		- -	23.22	3,409.40	- -
	15-Nov-04		- -	23.50	3,409.12	- -
	6-Dec-04		- -	23.63	3,408.99	- -
	21-Dec-04		- -	23.63	3,408.99	- -
MW-3	10-Jul-02	3,433.61	- -	34.48	3,399.13	- -
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		- -	32.14	3,401.47	- -
	2-May-03					
	16-Jun-03					
	14-Jul-03		- -	32.95	3,400.66	- -
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04		- -	29.17	3,404.44	- -
	7-May-04		- -	29.55	3,404.06	- -
	25-May-04		- -	29.80	3,403.81	- -
	10-Jun-04		- -	30.12	3,403.49	- -
	14-Jul-04		- -	28.33	3,405.28	- -
	21-Jul-04		- -	28.59	3,405.02	- -
	2-Aug-04		- -	28.85	3,404.76	- -
	10-Sep-04		- -	28.35	3,405.26	- -
	14-Sep-04		- -	28.45	3,405.16	- -
	5-Oct-04		- -	25.00	3,408.61	- -

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-3 (cont.)	19-Oct-04		--	23.24	3,410.37	--
	2-Nov-04		--	23.29	3,410.32	--
	15-Nov-04		--	24.10	3,409.51	--
	6-Dec-04		--	24.33	3,409.28	--
	21-Dec-04		--	24.39	3,409.22	--
MW-4	10-Jul-02	3,432.35	30.70	30.95	3,401.63	0.25
	18-Nov-02		29.28	29.95	3,403.00	0.67
	13-Dec-02		29.75	30.99	3,402.48	1.24
	24-Mar-03		30.56	31.03	3,401.74	0.47
	15-Apr-03		30.55	31.05	3,401.75	0.50
	2-May-03		30.71	30.94	3,401.62	0.23
	16-Jun-03		31.09	31.18	3,401.25	0.09
	14-Jul-03		31.50	31.81	3,400.82	0.31
	31-Jul-03		31.49	31.80	3,400.83	0.31
	22-Sep-03		32.05	32.07	3,400.30	0.02
	23-Oct-03		32.03	33.07	3,400.22	1.04
	5-Nov-03		32.10	34.65	3,400.00	2.55
	2-Jan-04		31.82	35.30	3,400.18	3.48
	30-Jan-04		32.20	34.20	3,399.95	2.00
	3-Mar-04		32.19	34.21	3,399.96	2.02
	15-Mar-04		32.15	33.87	3,400.03	1.72
	25-Mar-04		32.14	33.87	3,400.04	1.73
	20-Apr-04		27.20	27.86	3,405.08	0.66
	7-May-04		27.89	28.63	3,404.39	0.74
	25-May-04		28.55	28.78	3,403.78	0.23
	10-Jun-04		28.80	28.84	3,403.55	0.04
	14-Jul-04		Skim	26.88	3,405.47	Skim
	21-Jul-04		Skim	27.67	3,404.68	Skim
	2-Aug-04		Skim	27.28	3,405.07	Skim
	10-Sep-04		Skim	27.25	3,405.10	Skim
	14-Sep-04		Skim	27.15	3,405.20	Skim
	5-Oct-04		Skim	23.20	3,409.15	Skim
	19-Oct-04		Skim	22.00	3,410.35	Skim
	2-Nov-04		Skim	22.29	3,410.06	Skim
	15-Nov-04		Skim	22.95	3,409.40	Skim
	6-Dec-04		Skim	23.19	3,409.16	Skim
	21-Dec-04		Skim	23.21	3,409.14	Skim
MW-5	10-Jul-02	3,429.63	--	27.16	3,402.47	--
	18-Nov-12					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		--	27.79	3,401.84	--
	2-May-03					
	16-Jun-03					
	14-Jul-03		--	28.79	3,400.84	--

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-5 (cont.)	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04		- -	23.73	3,405.90	- -
	7-May-04		- -	24.75	3,404.88	- -
	25-May-04		- -	25.32	3,404.31	- -
	10-Jun-04		- -	25.66	3,403.97	- -
	14-Jul-04		- -	23.33	3,406.30	- -
	21-Jul-04		- -	24.30	3,405.33	- -
	2-Aug-04		- -	23.88	3,405.75	- -
	10-Sep-04		- -	23.58	3,406.05	- -
	14-Sep-04		- -	23.88	3,405.75	- -
	5-Oct-04		- -	17.86	3,411.77	- -
	19-Oct-04		- -	17.50	3,412.13	- -
	2-Nov-04		- -	17.52	3,412.11	- -
	15-Nov-04		- -	19.54	3,410.09	- -
	6-Dec-04		- -	20.04	3,409.59	- -
	21-Dec-04		- -	20.17	3,409.46	- -
MW-6	10-Jul-02	3,429.30	- -	27.16	3,402.14	- -
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		- -	27.93	3,401.37	- -
	2-May-03					
	16-Jun-03					
	14-Jul-03		- -	28.90	3,400.40	- -
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04		- -	23.65	3,405.65	- -
	7-May-04		- -	24.72	3,404.58	- -
	25-May-04		- -	25.30	3,404.00	- -
	10-Jun-04		- -	25.75	3,403.55	- -

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-6 (cont.)	14-Jul-04		- -	23.15	3,406.15	- -
	21-Jul-04		- -	24.41	3,404.89	- -
	2-Aug-04		- -	23.78	3,405.52	- -
	10-Sep-04		- -	23.86	3,405.44	- -
	14-Sep-04		- -	24.10	3,405.20	- -
	5-Oct-04		- -	16.96	3,412.34	- -
	19-Oct-04		- -	16.84	3,412.46	- -
	2-Nov-04		- -	16.86	3,412.44	- -
	15-Nov-04		- -	19.33	3,409.97	- -
	6-Dec-04		- -	19.77	3,409.53	- -
	21-Dec-04		- -	19.98	3,409.32	- -
MW-7	10-Jul-02					
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03					
	2-May-03					
	16-Jun-03					
	14-Jul-03					
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04					
	7-May-04					
	25-May-04					
	10-Jun-04	3,431.37	- -	27.15	3,404.22	- -
	14-Jul-04		- -	25.69	3,405.68	- -
	21-Jul-04		- -	25.93	3,405.44	- -
	2-Aug-04		- -	26.10	3,405.27	- -
	10-Sep-04		- -	25.73	3,405.64	- -
	14-Sep-04		- -	25.75	3,405.62	- -
	5-Oct-04		- -	22.65	3,408.72	- -
	19-Oct-04		- -	21.55	3,409.82	- -
	2-Nov-04		- -	21.58	3,409.79	- -
	15-Nov-04		- -	21.68	3,409.69	- -
	6-Dec-04		- -	21.80	3,409.57	- -
	21-Dec-04		- -	21.43	3,409.94	- -
MW-8	10-Jul-02					
	18-Nov-02					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-8 (cont.)	13-Dec-02					
	24-Mar-03					
	15-Apr-03					
	2-May-03					
	16-Jun-03					
	14-Jul-03					
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04					
	7-May-04					
	25-May-04					
	10-Jun-04	3,431.07	- -	27.52	3,403.55	- -
	14-Jul-04		- -	25.69	3,405.38	- -
	21-Jul-04		- -	25.46	3,405.61	- -
	2-Aug-04		- -	25.88	3,405.19	- -
	10-Sep-04		- -	25.35	3,405.72	- -
	14-Sep-04		- -	25.51	3,405.56	- -
	5-Oct-04		- -	20.30	3,410.77	- -
	19-Oct-04		- -	19.44	3,411.63	- -
	2-Nov-04		- -	19.46	3,411.61	- -
	15-Nov-04		- -	21.07	3,410.00	- -
	6-Dec-04		- -	21.48	3,409.59	- -
	21-Dec-04		- -	21.58	3,409.49	- -
MW-9	10-Jul-02					
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03					
	2-May-03					
	16-Jun-03					
	14-Jul-03					
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-9 (cont.)	15-Mar-04					
	25-Mar-04					
	20-Apr-04					
	7-May-04					
	25-May-04					
	10-Jun-04	3,429.79	Screen Filled With Mud			
	14-Jul-04		- -	24.02	3,405.77	- -
	21-Jul-04		- -	23.84	3,405.95	- -
	2-Aug-04		- -	24.77	3,405.02	- -
	10-Sep-04		- -	24.21	3,405.58	- -
	14-Sep-04		- -	24.27	3,405.52	- -
	5-Oct-04		- -	15.51	3,414.28	- -
	19-Oct-04		- -	16.54	3,413.25	- -
	2-Nov-04		- -	16.57	3,413.22	- -
	15-Nov-04		- -	19.53	3,410.26	- -
	6-Dec-04		- -	20.02	3,409.77	- -
	21-Dec-04		- -	20.36	3,409.43	- -
MW-10	10-Jul-02					
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03					
	2-May-03					
	16-Jun-03					
	14-Jul-03					
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04					
	7-May-04					
	25-May-04					
	10-Jun-04					
	14-Jul-04					
	21-Jul-04					
	2-Aug-04					
	10-Sep-04					
	14-Sep-04					
	5-Oct-04					
	19-Oct-04					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-10 (cont.)	2-Nov-04					
	15-Nov-04	3,429.49	- -	19.61	3,409.88	- -
	6-Dec-04		- -	19.95	3,409.54	- -
	21-Dec-04		- -	20.13	3,409.36	- -
MW-11	10-Jul-02					
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03					
	2-May-03					
	16-Jun-03					
	14-Jul-03					
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
	2-Jan-04					
	30-Jan-04					
	3-Mar-04					
	15-Mar-04					
	25-Mar-04					
	20-Apr-04					
	7-May-04					
	25-May-04					
	10-Jun-04					
	14-Jul-04					
	21-Jul-04					
	2-Aug-04					
	10-Sep-04					
	14-Sep-04					
	5-Oct-04					
	19-Oct-04					
	2-Nov-04					
	15-Nov-04	3,428.32	- -	18.26	3,410.06	- -
	6-Dec-04		- -	18.67	3,409.65	- -
	21-Dec-04		- -	18.93	3,409.39	- -

* = Wells are referenced to the TOC of groundwater monitoring well MW-2, which was set to an elevation of 3,432.62 feet.

- - = Not Detected

If cell is blank, the well was not gauged

NS = Not Surveyed

Gray-highlighted cells indicate current year data

Yellow-highlighted cells indicate groundwater sampling events

TABLE 2

Summary of Groundwater Alytical Results

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	Total Dissolved Solids (mg/L)	TPH as Diesel (mg/L)	TPH as Gasoline (mg/L)	Total TPH (mg/L)
Test Well #1	22-Aug-01	1,020	1,040	468	416	238	654	706	2,230	0.44	6.2	6.64
	26-Nov-01	1,750	1,340	321	548	308	856			1.47	13.6	15.1
Test Well #2	20-Aug-01	1,670	5,200	2,390	4,770	2,450	7,220	647	1,910	56.1	2.1	58.2
MW-1	13-Sep-01	2.00	3.00	<1	<1	<1	<2	549	1,650	<3	<3	<6
	24-Jan-02	<1	<1	<1	<1	<1	<2	617	1,830			
	12-Apr-02	<1	<1	<1	<1	<1	<2					
	10-Jul-02	1.88	<1	1.87	1.04	<1	1.04					
	15-Apr-03	<1	<1	<1	<1	<1	<2					
	14-Jul-03	<1	<1	<1	<1	<1	<2					
	20-Apr-04	<1	<1	<1	<2	<1	<3					
	14-Jul-04	<1	<1	<1	<2	<1	<3					
	14-Sep-04	<1	<1	<1	<2	<1	<3					
	21-Dec-04	<1	<1	<1	<2	<1	<3					
MW-2	24-Jan-02	368	<1	53.7	65	12.5	77.5	712	2,000			
	12-Apr-02	127	<1	25.4	28.3	8.33	36.6					
	10-Jul-02	67	1.88	17.6	15.4	3.89	19.3					
	15-Apr-03	229	1	58.8	44.3	12.4	56.7					
	14-Jul-03	185	<1	35.1	29.5	8.23	37.7					
	20-Apr-04	125	<1	34.1	56.7	15.3	72.0					
	14-Jul-04	209	6.16	47	21.2	15.4	36.6					
	14-Sep-04	129	2.76	35.8	10.6	7.01	17.6					
	21-Dec-04	267	1.24	35.7	<2	1.09	1.1					
MW-3	13-Sep-01	<1	<1	<1	<1	<1	<2	922	2,750	<3	<3	<6
	24-Jan-02	<1	<1	<1	<1	<1	<2	1,060	2,760			
	12-Apr-02	<1	<1	<1	<1	<1	<2					
	10-Jul-02	<1	<1	<1	<1	<1	<2					
	15-Apr-03	<1	<1	<1	<1	<1	<2					
	14-Jul-03	<1	<1	<1	<1	<1	<2					
	20-Apr-04	<1	<1	<1	<2	<1	<3					
	14-Jul-04	<1	<1	<1	<2	<1	<3					
	14-Sep-04	<1	<1	<1	<2	<1	<3					
	21-Dec-04	<1	<1	<1	<2	<1	<3					
MW-4	24-Jan-02	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	12-Apr-02	480	361	199	334	216	550					
	10-Jul-02	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	15-Apr-03	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	14-Jul-03	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	20-Apr-04	3,210	2,310	845	1,870	1,030	2,900					
	14-Jul-04	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	14-Sep-04	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	21-Dec-04	820	6.60	173	176	59.5	236					
MW-5	13-Sep-01	535	75	84	438	40	478	709	2,030	6.34	3.02	9.36
	24-Jan-02	280	3.19	107	8.28	5.65	13.9	635	2,080			
	12-Apr-02	303	9.48	129	8.16	13.2	21.4					
	10-Jul-02	Sample Not Analyzed										
	15-Apr-03	129	3.54	36.6	3.52	2.38	5.90					

TABLE 2

Summary of Groundwater Alytical Results

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	Total Dissolved Solids (mg/L)	TPH as Diesel (mg/L)	TPH as Gasoline (mg/L)	Total TPH (mg/L)
MW-5 (cont.)	14-Jul-03	**81.4**	<1	34.4	1.41	<1	1.41					
	20-Apr-04	**482**	2.37	101	60.1	31.3	91.4					
	14-Jul-04	**70.8**	<1	48.6	4.60	2.07	6.67					
	14-Sep-04	**118**	1.35	58.8	4.25	1.61	5.86					
	21-Dec-04	**204**	<1	67	<2	<1	<3					
MW-6	24-Jan-02	<1	<1	<1	<1	<1	<2	**745**	**2,290**			
	12-Apr-02	<1	<1	<1	<1	<1	<2					
	10-Jul-02	1.53	<1	<1	<1	<1	<2					
	15-Apr-03	2.74	<1	<1	<1	<1	<2					
	14-Jul-03	2.54	<1	<1	<1	<1	<2					
	20-Apr-04	1.06	<1	<1	<2	<1	<3					
	14-Jul-04	1.95	<1	<1	<2	<1	<3					
	14-Sep-04	**10.6**	<1	<1	<2	<1	<3					
	21-Dec-04	<1	<1	<1	<2	<1	<3					
MW-7	14-Jul-04	<1	<1	<1	<2	<1	<3					
	14-Sep-04	<1	<1	<1	<2	<1	<3					
	21-Dec-04	<1	<1	<1	<2	<1	<3					
MW-8	14-Jul-04	**575**	141	88.4	76.2	86.8	163					
	14-Sep-04	**482**	35.6	106	58.2	55.1	113					
	21-Dec-04	**4,220**	113	695	208	75	283					
MW-9	14-Jul-04	**275**	10.9	487	305	319	**624**					
	14-Sep-04	**150**	2.15	225	29.0	119	148					
	21-Dec-04	<1	<1	3	2.61	20.4	23.0					
MW-10	15-Nov-04	**1,250**	96.7	140	109	10.8	120					
MW-11	15-Nov-04	<1	<1	<1	<2	<1	<3					
NMOCD Remedial Thresholds		10	750	750			620	250	1,000			

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

If the cell is blank, then that parameter was not alyzed

TABLE 3

Summary of Groundwater Poly-Aromatic Hydrocarbons (PAH) Analytical Results

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well Location	Date	Napthalene (µg/L)	Acenapthylene (µg/L)	Acenapthene (µg/L)	Flourene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo[a]-anthracene (µg/L)	Chrysene (µg/L)	Benzo[b]-fluoranthene (µg/L)	Benzo[j,k]-fluoranthene (µg/L)	Benzo[a]-pyrene (µg/L)	Indeno[1,2,3-cd]-pyrene (µg/L)	Dibenz[a,h]-anthracene (µg/L)	Benzo[g,h,i]-perylene (µg/L)
Test Well #1	22-Aug-01	**35.8**	0.175	0.305	0.95	1.67	0.071	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Test Well #2	20-Aug-01	**86.5**	2	1.31	8.72	19.9	1.34	0.611	0.644	<0.5	2.74	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-1	13-Sep-01	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	24-Jan-02	NOT ANALYZED															
	12-Apr-02	NOT ANALYZED															
	10-Jul-02	NOT ANALYZED															
	15-Apr-03	NOT ANALYZED															
	14-Jul-03	NOT ANALYZED															
	20-Apr-04	NOT ANALYZED															
	14-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
	14-Sep-04	NOT ANALYZED															
	21-Dec-04	NOT ANALYZED															
MW-2	24-Jan-02	NOT ANALYZED															
	12-Apr-02	NOT ANALYZED															
	10-Jul-02	NOT ANALYZED															
	15-Apr-03	NOT ANALYZED															
	14-Jul-03	NOT ANALYZED															
	20-Apr-04	NOT ANALYZED															
	14-Jul-04	13.3	<0.05	<0.05	0.061	0.497	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	14-Sep-04	NOT ANALYZED															
	21-Dec-04	NOT ANALYZED															
MW-3	13-Sep-01	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	24-Jan-02	NOT ANALYZED															
	12-Apr-02	NOT ANALYZED															
	10-Jul-02	NOT ANALYZED															
	15-Apr-03	NOT ANALYZED															
	14-Jul-03	NOT ANALYZED															
	20-Apr-04	NOT ANALYZED															
	14-Jul-04	CONTAINER BROKE IN TRANSIT															
	14-Sep-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
	21-Dec-04	NOT ANALYZED															
MW-4	24-Jan-02	**NOT SAMPLED DUE TO THE PRESENCE OF PHASE SEPARATED HYDROCARBONS**															
	12-Apr-02	NOT ANALYZED															
	10-Jul-02	**NOT SAMPLED DUE TO THE PRESENCE OF PHASE SEPARATED HYDROCARBONS**															
	15-Apr-03	**NOT SAMPLED DUE TO THE PRESENCE OF PHASE SEPARATED HYDROCARBONS**															
	14-Jul-03	**NOT SAMPLED DUE TO THE PRESENCE OF PHASE SEPARATED HYDROCARBONS**															
	20-Apr-04	NOT ANALYZED															
	14-Jul-04	**NOT SAMPLED DUE TO THE PRESENCE OF PHASE SEPARATED HYDROCARBONS**															
	14-Sep-04	**NOT SAMPLED DUE TO THE PRESENCE OF PHASE SEPARATED HYDROCARBONS**															
	21-Dec-04	NOT ANALYZED															
MW-5	13-Sep-01	49	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
	24-Jan-02	NOT ANALYZED															
	12-Apr-02	NOT ANALYZED															
	10-Jul-02	NOT ANALYZED															
	15-Apr-03	NOT ANALYZED															
	14-Jul-03	NOT ANALYZED															
	20-Apr-04	NOT ANALYZED															
	14-Jul-04	CONTAINER BROKE IN TRANSIT															
	14-Sep-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
	21-Dec-04	**NOT ANALYZED**															
MW-6	24-Jan-02	NOT ANALYZED															
	12-Apr-02	NOT ANALYZED															
	10-Jul-02	NOT ANALYZED															
	15-Apr-03	NOT ANALYZED															
	14-Jul-03	NOT ANALYZED															
	20-Apr-04	NOT ANALYZED															
	14-Jul-04	1.22	<0.05	<0.05	<0.05	0.085	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

TABLE 3

Summary of Groundwater Poly-Aromatic Hydrocarbons (PAH) Analytical Results

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well Location	Date	Napthalene (µg/L)	Acenapthylene (µg/L)	Acenapthene (µg/L)	Flourene (µg/L)	Phenanthrene (µg/L)	Anthracene (µg/L)	Fluoranthene (µg/L)	Pyrene (µg/L)	Benzo[a]-anthracene (µg/L)	Chrysene (µg/L)	Benzo[b]-fluoranthene (µg/L)	Benzo[j,k]-fluoranthene (µg/L)	Benzo[a]-pyrene (µg/L)	Indeno[1,2,3-cd]-pyrene (µg/L)	Dibenz[a,h]-anthracene (µg/L)	Benzo[g,h.i]-perylene (µg/L)
MW-6 (cont.)	14-Sep-04	NOT ANALYZED															
	21-Dec-04	NOT ANALYZED															
MW-7	14-Jul-04	0.261	<0.05	<0.05	<0.05	0.293	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	14-Sep-04	NOT ANALYZED															
	21-Dec-04	NOT ANALYZED															
MW-8	14-Jul-04	4.94	0.064	<0.05	0.127	1.43	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	14-Sep-04	NOT ANALYZED															
	21-Dec-04	NOT ANALYZED															
MW-9	14-Jul-04	7.98	<0.05	0.089	0.306	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	14-Sep-04	NOT ANALYZED															
	21-Dec-04	NOT ANALYZED															
MW-10	15-Nov-04	NOT ANALYZED															
MW-11	15-Nov-04	NOT ANALYZED															
NMOCD Remedial Thresholds		30												0.70			

Bolded values are in excess of the NMOCD Remediation Thresholds or Other Standards for Domestic Water Supply.

- - = Parameter was not analyzed

Gray-highlighted cells indicate current year data

TABLE 4

Summary of Monitoring Well Analytical Results (Soil)

Livingston 4" Bob McCasland - Ref #2001-11043

Sample ID	Sample Date	Monitoring Well	VOC (ppm)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethylbenzene (µg/Kg)	m,p-Xylenes (µg/Kg)	o-Xylene (µg/Kg)	Total BTEX (µg/Kg)	TPH (as gasoline) (mg/Kg)	TPH (as diesel) (mg/Kg)	Total TPH (mg/Kg)
LLBM60804MW-7 (2')	08-Jun-04	MW-7	10.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60804MW-7 (5')			28.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60804MW-7 (10')			61.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60804MW-7 (15')			67.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60804MW-7 (20')			60.7	<25.0	<25.0	<25.0	<25.0	<25.0	<125	<10	<10	<10
LLBM60804MW-7 (25')			31.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60804MW-7 (30')			49.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60804MW-7 (35')			44.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60804MW-7 (40')			30.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60904MW-8 (2')	09-Jun-04	MW-8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LLBM60904MW-8 (5')			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LLBM60904MW-8 (15')			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LLBM60904MW-8 (20')			NA	<25.0	<25.0	<25.0	<25.0	<25.0	<125	<10	<10	<10
LLBM60904MW-8 (25')			NA	1,490	1,380	1,030	1,210	283	5,393	46.6	40.9	87.5
LLBM60904MW-8 (30')			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LLBM60904MW-8 (35')			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LLBM60904MW-8 (40')			NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
LLBM60704MW-9 (2')	07-Jun-04	MW-9	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60704MW-9 (5')			0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60704MW-9 (10')			0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60704MW-9 (15')			0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60704MW-9 (20')			747	<25	24.3	80.0	200	43.6	348	55.5	290	**346**
LLBM60704MW-9 (25')			729	35.3	236	857	1,400	584	3,112	48.1	19.1	67.2
LLBM60704MW-9 (30')			129	NA	NA	NA	NA	NA	NA	NA	NA	NA
LLBM60704MW-9 (35')			180	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10 (5')	08-Nov-04	MW-10	263	<20	<20	<20	<40	<20	<120	<5	<2.5	<7.5
MW-10 (10')			85.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10 (15')			83.2	<20	<20	<20	<40	<20	<120	<5	<2.5	<7.5
MW-10 (20')			103.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10 (25')			24.2	<20	<20	<20	<40	<20	<120	<5	<2.5	<7.5
MW-10 (30')			10.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11 (5')	08-Nov-04	MW-11	19.1	<20	<20	<20	<40	<20	<120	<5	<2.5	<7.5
MW-11 (10')			18.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11 (15')			14.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11 (20')			14.3	<20	<20	<20	<40	<20	<120	<5	<2.5	<7.5
MW-11 (25')			17.8	<20	<20	<20	<40	<20	<120	<5	<2.5	<7.5
MW-11 (30')			16.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
NMOCD Remedial Thresholds				**10,000**					**50,000**			**100**

[1] *Bolded values are in excess of the NMOCD Remediation Thresholds*

[2] *NA : Not Analyzed*

[3] *NS : Not Sampled*

TABLE 5

Summary of Groundwater Sampling Recommendations

Livingston Line - Bob McCasland (Ref. #2001-11043)

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

APPENDICES

APPENDIX A

GROUNDWATER ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS

AnalySys Inc.

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

Client: Link Energy
Attn: Frank Hernandez
Address: 5805 East Hwy 80
Midland Tx 79701

Phone: 432 638-3799 **FAX:** 432 684-3456

Report#/Lab ID#: 155114 **Report Date:** 05/03/04
Project ID: 2001-11043 Liv.Ln.Bob McCasland
Sample Name: WLELLBM42004 NMW MW-1
Sample Matrix: water
Date Received: 04/27/2004 **Time:** 10:00
Date Sampled: 04/20/2004 **Time:** 07:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/29/04	8260b	---	2.3	105.6	102.2	105.6
Ethylbenzene	<1	µg/L	1	<1	04/29/04	8260b	---	0.9	107.2	103.7	104.6
m,p-Xylenes	<2	µg/L	2	<2	04/29/04	8260b	---	0.4	108.7	103.7	106
o-Xylene	<1	µg/L	1	<1	04/29/04	8260b	---	0.5	108.3	103.5	108.1
Toluene	<1	µg/L	1	<1	04/29/04	8260b	---	1.2	109.8	106.2	112.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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ANALYSYS INC.

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

Client: Link Energy **Attn:** Frank Hernandez	**Project ID:** 2001-11043 Liv.Ln.Bob McCasland **Sample Name:** WLELLBM42004 NMW	**Report#/Lab ID#:** 155114 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.5	74-124	---
Toluene-d8	8260b	102	89-115	---

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

AnalySys Inc.

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

Client: Link Energy
Attn: Frank Hernandez
Address: 5805 East Hwy 80
Midland Tx 79701

Phone: 432 638-3799 **FAX:** 432 684-3456

Report#/Lab ID#: 155115 **Report Date:** 05/03/04
Project ID: 2001-11043 Liv.Ln.Bob McCasland
Sample Name: WLELLBM42004 ~~NWMW~~ MW-2
Sample Matrix: water
Date Received: 04/27/2004 **Time:** 10:00
Date Sampled: 04/20/2004 **Time:** 08:23

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	---		---		04/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**125**	µg/L	1	<1	04/29/04	8260b	---	2.3	105.6	102.2	105.6
Ethylbenzene	**34.1**	µg/L	1	<1	04/29/04	8260b	---	0.9	107.2	103.7	104.6
m,p-Xylenes	**56.7**	µg/L	2	<2	04/29/04	8260b	---	0.4	108.7	103.7	106
o-Xylene	**15.3**	µg/L	1	<1	04/29/04	8260b	---	0.5	108.3	103.5	108.1
Toluene	<1	µg/L	1	<1	04/29/04	8260b	---	1.2	109.8	106.2	112.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

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: Link Energy **Attn:** Frank Hernandez	**Project ID:** 2001-11043 Liv.Ln.Bob McCasland **Sample Name:** WLELLBM42004 NWMW	**Report#/Lab ID#:** 155115 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.4	74-124	---
Toluene-d8	8260b	103	89-115	---

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

AnalySys Inc

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

Client: Link Energy
Attn: Frank Hernandez
Address: 5805 East Hwy 80
Midland Tx 79701

Phone: 432 638-3799 **FAX:** 432 684-3456

Report#/Lab ID#: 155116 **Report Date:** 05/03/04
Project ID: 2001-11043 Liv.Ln.Bob McCasland
Sample Name: WLELLBM42004 ~~GMW~~ MW-4
Sample Matrix: water
Date Received: 04/27/2004 **Time:** 10:00
Date Sampled: 04/20/2004 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/30/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**3210**	µg/L	100	<100	04/30/04	8260b	---	2.3	105.6	102.2	105.6
Ethylbenzene	**845**	µg/L	100	<100	04/30/04	8260b	---	0.9	107.2	103.7	104.6
m,p-Xylenes	**1870**	µg/L	200	<200	04/30/04	8260b	---	0.4	108.7	103.7	106
o-Xylene	**1030**	µg/L	100	<100	04/30/04	8260b	---	0.5	108.3	103.5	108.1
Toluene	**2310**	µg/L	100	<100	04/30/04	8260b	---	1.2	109.8	106.2	112.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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ANALYSYS INC.

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

Client: Link Energy **Attn:** Frank Hernandez	**Project ID:** 2001-11043 Liv.Ln.Bob McCasland **Sample Name:** WLELLBM42004 CMW	**Report#/Lab ID#:** 155116 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	74-124	---
Toluene-d8	8260b	94.7	89-115	---

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

ANALYSYS INC.

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

Client: Link Energy
Attn: Frank Hernandez
Address: 5805 East Hwy 80
Midland Tx 79701

Phone: 432 638-3799 **FAX:** 432 684-3456

Report#/Lab ID#: 155117 **Report Date:** 05/03/04
Project ID: 2001-11043 Liv.Ln.Bob McCasland
Sample Name: WLELLBM42004 ~~WMW~~ MW-5
Sample Matrix: water
Date Received: 04/27/2004 **Time:** 10:00
Date Sampled: 04/20/2004 **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]
Volatile organics-8260b/BTEX	---		---		04/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**482**	µg/L	10	<10	04/30/04	8260b	---	2.3	105.6	102.2	105.6
Ethylbenzene	**101**	µg/L	1	<1	04/29/04	8260b	---	0.9	107.2	103.7	104.6
m,p-Xylenes	**60.1**	µg/L	2	<2	04/29/04	8260b	---	0.4	108.7	103.7	106
o-Xylene	**31.3**	µg/L	1	<1	04/29/04	8260b	---	0.5	108.3	103.5	108.1
Toluene	**2.37**	µg/L	1	<1	04/29/04	8260b	---	1.2	109.8	106.2	112.1

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(512) 385-5886 • FAX (512) 385-7411

Client: Link Energy **Attn:** Frank Hernandez	**Project ID:** 2001-11043 Liv.Ln.Bob McCasland **Sample Name:** WLELLBM42004 WMW	**Report#/Lab ID#:** 155117 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	74-124	---
Toluene-d8	8260b	103	89-115	---

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

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(512) 385-5886 • FAX (512) 385-7411

Client: Link Energy
Attn: Frank Hernandez
Address: 5805 East Hwy 80
Midland Tx 79701

Phone: 432 638-3799 **FAX:** 432 684-3456

Report#/Lab ID#: 155118 **Report Date:** 05/03/04
Project ID: 2001-11043 Liv.Ln.Bob McCasland
Sample Name: WLELLBM42004 ~~EMW~~ MW-3
Sample Matrix: water
Date Received: 04/27/2004 **Time:** 10:00
Date Sampled: 04/20/2004 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/29/04	8260b	---	2.3	105.6	102.2	105.6
Ethylbenzene	<1	µg/L	1	<1	04/29/04	8260b	---	0.9	107.2	103.7	104.6
m,p-Xylenes	<2	µg/L	2	<2	04/29/04	8260b	---	0.4	108.7	103.7	106
o-Xylene	<1	µg/L	1	<1	04/29/04	8260b	---	0.5	108.3	103.5	108.1
Toluene	<1	µg/L	1	<1	04/29/04	8260b	---	1.2	109.8	106.2	112.1

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

Client: Link Energy **Attn:** Frank Hernandez	**Project ID:** 2001-11043 Liv.Ln.Bob McCasland **Sample Name:** WLELLBM42004 EMW	**Report#/Lab ID#:** 155118 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.5	74-124	---
Toluene-d8	8260b	103	89-115	---

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

AnalySys Inc.

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

Client: Link Energy
Attn: Frank Hernandez
Address: 5805 East Hwy 80
Midland Tx 79701

Phone: 432 638-3799 **FAX:** 432 684-3456

Report#/Lab ID#: 155119 **Report Date:** 05/03/04
Project ID: 2001-11043 Liv.Ln.Bob McCasland
Sample Name: WLELLBM42004-~~SMW~~ MW-6
Sample Matrix: water
Date Received: 04/27/2004 **Time:** 10:00
Date Sampled: 04/20/2004 **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	---		---		04/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	1.06	µg/L	1	<1	04/29/04	8260b	---	2.3	105.6	102.2	105.6
Ethylbenzene	<1	µg/L	1	<1	04/29/04	8260b	---	0.9	107.2	103.7	104.6
m,p-Xylenes	<2	µg/L	2	<2	04/29/04	8260b	---	0.4	108.7	103.7	106
o-Xylene	<1	µg/L	1	<1	04/29/04	8260b	---	0.5	108.3	103.5	108.1
Toluene	<1	µg/L	1	<1	04/29/04	8260b	---	1.2	109.8	106.2	112.1

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ANALYSYS INC.

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

Client: Link Energy **Attn:** Frank Hernandez	**Project ID:** 2001-11043 Liv.Ln.Bob McCasland **Sample Name:** WLELLBM42004 SMW	**Report#/Lab ID#:** 155119 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.5	74-124	---
Toluene-d8	8260b	103	89-115	---

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

CHAIN-OF-CUSTODY

WWW.ANALYSYSINC.COM

AnalySys Inc.

3512 Montopolis Drive, Austin, TX 78744
Phone: (512) 385-5886 Fax: (512) 385-7411

2209 N.P.I.D., Ste K, Corpus Christi, TX 78408
Phone: (361) 289-6384 Fax: (361) 289-0875

Send Reports To:

Company Name LINK ENERGY
Address
City State Zip
ATTN: FRANK HERNANDEZ
Phone Fax

Bill to (if different):

Company Name
Address
City State Zip
ATTN:
Phone Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2001-11043 Sampler: S. Prieto
Liv. to: Bob McCasland

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX	Comments
[illegible] DMW	4-20-04	7:30	2		✓		155114	X	
[illegible] NWMW	4-20-04	8:23	2		✓		155115	X	
[illegible] CMW	4-20-04	9:30	2		✓		155116	X	
[illegible] WMW	4-20-04	[illegible]	2		✓		155117	X	
[illegible] EMW	4-20-04	1:00	2		✓		155118	X	
[illegible] SMW	4-20-04	2:00	2		✓		155119	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T: 3.5° C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Sergio Prieto	EPI	4-20-04		[signature]	ASI	4/27/04	1000

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

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

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

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

Report#/Lab ID#: 157737 **Report Date:** 08/06/04
Project ID: 2001-11043
Sample Name: LELLBM071404MW1
Sample Matrix: water
Date Received: 07/20/2004 **Time:** 09:15
Date Sampled: 07/14/2004 **Time:** 07:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	07/21/04	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	07/30/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		07/21/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	07/21/04	8260b	---	1.6	100.5	103.8	100.1
Ethylbenzene	<1	µg/L	1	<1	07/21/04	8260b	---	7.2	101.4	105	103.9
m,p-Xylenes	<2	µg/L	2	<2	07/21/04	8260b	---	13.7	99.6	100.7	106.2
o-Xylene	<1	µg/L	1	<1	07/21/04	8260b	---	12	108	111.3	114.2
Toluene	<1	µg/L	1	<1	07/21/04	8260b	---	4.3	100.6	106.7	104.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	51.7	59.2	100.1	51.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	53.1	59.1	109.8	51.7
Anthracene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	28.8	66.7	103.2	54.3
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	21.6	84.4	87.9	71.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	18.2	71.9	89.1	64
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	14.5	85.4	88	73.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	15.1	85.1	103.8	72.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	17.6	78.4	100.5	67.8
Chrysene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	10.9	71.4	96.7	62.9
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	15.9	80.1	93.1	67.7
Fluoranthene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	24.3	76.8	104	59.9
Fluorene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	39.5	58.7	102.4	50.7
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	16.4	80	95.3	67.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11043
Sample Name: LELLBM071404MW1

Report#/Lab ID#: 157737
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	07/30/04	610 & 8270c	P	57.3	45	117.7	39.6
Phenanthrene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	28	69.4	99.3	54.7
Pyrene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	24.2	77.1	99.7	61.2

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 157737
Attn: Iain Olness	**Sample Name:** LELLBM071404MW1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	36	39-110	X
Nitrobenzene-d5	610 & 8270c	14.4	12-110	---
Terphenyl-d14	610 & 8270c	55.9	25-110	---
1,2-Dichloroethane-d4	8260b	98.8	74-124	---
Toluene-d8	8260b	105	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 157737 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM071404MW1

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 Acenaphthene	P 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 Acenaphthylene	P 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 Anthracene	P 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.
Benzo[a]anthracene Benzo[a]anthracene	P 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.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P 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 Fluorene	P 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 Indeno[1,2,3-cd]pyrene	P 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 Naphthalene	P 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.
Phenanthrene Phenanthrene	P 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.
2-Fluorobiphenyl 2-Fluorobiphenyl	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

Notes: _____

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

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

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

Report#/Lab ID#: 157738 **Report Date:** 08/06/04
Project ID: 2001-11043
Sample Name: LELLBM071404MW2
Sample Matrix: water
Date Received: 07/20/2004 **Time:** 09:15
Date Sampled: 07/14/2004 **Time:** 07:50

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	---	---	---	---	07/21/04	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	07/27/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		07/21/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**209**	µg/L	1	<1	07/21/04	8260b	---	1.6	100.5	103.8	100.1
Ethylbenzene	**47**	µg/L	1	<1	07/21/04	8260b	---	7.2	101.4	105	103.9
m,p-Xylenes	**21.2**	µg/L	2	<2	07/21/04	8260b	---	13.7	99.6	100.7	106.2
o-Xylene	**15.4**	µg/L	1	<1	07/21/04	8260b	---	12	108	111.3	114.2
Toluene	**6.16**	µg/L	1	<1	07/21/04	8260b	---	4.3	100.6	106.7	104.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	J	4.3	47.7	103.8	31.9
Acenaphthylene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	J	24.2	41.1	99	27.5
Anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	J,P	38.6	39.1	102.4	51.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	P	80.1	69.9	117.3	87.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	185.2	51.7	108.6	76.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	165.4	84.2	119.2	86
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	159.8	93.1	116.4	95.9
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	160.4	77.4	104.1	79.7
Chrysene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	8.1	63.7	99.6	73.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	154.5	86.4	119.4	88.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	3.7	60.5	100.4	68.1
Fluorene	**0.061**	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	11.5	48.6	103.4	34.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	160.7	96.1	113.7	98.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11043
Sample Name: LELLBM071404MW2

Report#/Lab ID#: 157738
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	13.3	µg/L	0.5	<0.5	07/27/04	610 & 8270c	---	6.6	39.3	101.7	26.7
Phenanthrene	0.497	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	16	54.5	100.1	47.4
Pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	5.5	59.2	99	68.5

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 157738
Attn: Iain Olness	**Sample Name:** LELLBM071404MW2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	43.2	39-110	---
Nitrobenzene-d5	610 & 8270c	36	12-110	---
Terphenyl-d14	610 & 8270c	69.6	25-110	---
1,2-Dichloroethane-d4	8260b	112	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#: 157738 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM071404MW2

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
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J flag Discussion:

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	J	See J-flag discussion above.
Acenaphthylene	J	See J-flag discussion above.
Anthracene Anthracene	P 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	J	See J-flag discussion above.
Benzo[a]anthracene Benzo[a]anthracene	P 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.
Benzo[a]pyrene Benzo[a]pyrene	P 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.
Benzo[a]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.
Benzo[b]fluoranthene Benzo[b]fluoranthene	P 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.
Benzo[b]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene Benzo[g,h,i]perylene	P 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.
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.
Benzo[j,k]fluoranthene Benzo[j,k]fluoranthene	P 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.
Benzo[j,k]fluoranthene	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.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P 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.
Dibenz[a,h]anthracene	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.
Indeno[1,2,3-cd]pyrene Indeno[1,2,3-cd]pyrene	P 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.

Exceptions Report:

Report #/Lab ID#: 157738 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM071404MW2

Notes:

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(512) 385-5886 • FAX (512) 385-7411

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

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

Report#/Lab ID#: 157739 **Report Date:** 08/06/04
Project ID: 2001-11043
Sample Name: LELLBM071404MW3
Sample Matrix: water
Date Received: 07/20/2004 **Time:** 09:15
Date Sampled: 07/14/2004 **Time:** 08:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		07/21/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	07/21/04	8260b	---	1.6	100.5	103.8	100.1
Ethylbenzene	<1	µg/L	1	<1	07/21/04	8260b	---	7.2	101.4	105	103.9
m,p-Xylenes	<2	µg/L	2	<2	07/21/04	8260b	---	13.7	99.6	100.7	106.2
o-Xylene	<1	µg/L	1	<1	07/21/04	8260b	---	12	108	111.3	114.2
Toluene	<1	µg/L	1	<1	07/21/04	8260b	---	4.3	100.6	106.7	104.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 157739
Attn: Iain Olness	**Sample Name:** LELLBM071404MW3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	112	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#: 157740 **Report Date:** 08/06/04
Project ID: 2001-11043
Sample Name: LELLBM071404MW5
Sample Matrix: water
Date Received: 07/20/2004 **Time:** 09:15
Date Sampled: 07/14/2004 **Time:** 08:50

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	---		---		07/21/04	8260b(5030/5035)	---	---	---	---	---
Benzene	70.8	µg/L	1	<1	07/21/04	8260b	---	1.6	100.5	103.8	100.1
Ethylbenzene	48.6	µg/L	1	<1	07/21/04	8260b	---	7.2	101.4	105	103.9
m,p-Xylenes	4.6	µg/L	2	<2	07/21/04	8260b	---	13.7	99.6	100.7	106.2
o-Xylene	2.07	µg/L	1	<1	07/21/04	8260b	---	12	108	111.3	114.2
Toluene	<1	µg/L	1	<1	07/21/04	8260b	---	4.3	100.6	106.7	104.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 157740
Attn: Iain Olness	**Sample Name:** LELLBM071404MW5	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	105	74-124	---
Toluene-d8	8260b	110	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#: 157741 **Report Date:** 08/06/04
Project ID: 2001-11043
Sample Name: LELLBM071404MW6
Sample Matrix: water
Date Received: 07/20/2004 **Time:** 09:15
Date Sampled: 07/14/2004 **Time:** 09:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
A/BN Extraction-PAH	---	---	---	---	07/21/04	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	07/27/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		07/21/04	8260b(5030/5035)	---	---	---	---	---
Benzene	1.95	µg/L	1	<1	07/21/04	8260b	---	1.6	100.5	103.8	100.1
Ethylbenzene	<1	µg/L	1	<1	07/21/04	8260b	---	7.2	101.4	105	103.9
m,p-Xylenes	<2	µg/L	2	<2	07/21/04	8260b	---	13.7	99.6	100.7	106.2
o-Xylene	<1	µg/L	1	<1	07/21/04	8260b	---	12	108	111.3	114.2
Toluene	<1	µg/L	1	<1	07/21/04	8260b	---	4.3	100.6	106.7	104.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	4.3	47.7	103.8	31.9
Acenaphthylene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	24.2	41.1	99	27.5
Anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	P	38.6	39.1	102.4	51.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	P	80.1	69.9	117.3	87.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	185.2	51.7	108.6	76.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	165.4	84.2	119.2	86
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	159.8	93.1	116.4	95.9
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	160.4	77.4	104.1	79.7
Chrysene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	8.1	63.7	99.6	73.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	154.5	86.4	119.4	88.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	3.7	60.5	100.4	68.1
Fluorene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	11.5	48.6	103.4	34.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	160.7	96.1	113.7	98.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11043
Sample Name: LELLBM071404MW6

Report#/Lab ID#: 157741
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	1.22	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	6.6	39.3	101.7	26.7
Phenanthrene	0.085	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	16	54.5	100.1	47.4
Pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	5.5	59.2	99	68.5

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11043
Sample Name: LELLBM071404MW6

Report#/Lab ID#: 157741
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	40.6	39-110	---
Nitrobenzene-d5	610 & 8270c	21.4	12-110	---
Terphenyl-d14	610 & 8270c	68.6	25-110	---
1,2-Dichloroethane-d4	8260b	109	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#: 157741 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM071404MW6

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
Anthracene Anthracene	P 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.
Benzo[a]anthracene Benzo[a]anthracene	P 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.
Benzo[a]pyrene Benzo[a]pyrene	P 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.
Benzo[a]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.
Benzo[b]fluoranthene Benzo[b]fluoranthene	P 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.
Benzo[b]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene Benzo[g,h,i]perylene	P 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.
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.
Benzo[j,k]fluoranthene Benzo[j,k]fluoranthene	P 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.
Benzo[j,k]fluoranthene	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.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P 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.
Dibenz[a,h]anthracene	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.
Indeno[1,2,3-cd]pyrene Indeno[1,2,3-cd]pyrene	P 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.

Notes:

ANALYSYS INC.

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

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

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

Report#/Lab ID#: 157742 **Report Date:** 08/06/04
Project ID: 2001-11043
Sample Name: LELLBM071404MW7
Sample Matrix: water
Date Received: 07/20/2004 **Time:** 09:15
Date Sampled: 07/14/2004 **Time:** 09:55

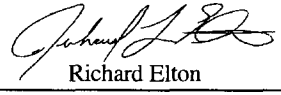
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
A/BN Extraction-PAH	---	---	---	---	07/21/04	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	07/27/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		07/21/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	07/21/04	8260b	J	1.6	100.5	103.8	100.1
Ethylbenzene	<1	µg/L	1	<1	07/21/04	8260b	---	7.2	101.4	105	103.9
m,p-Xylenes	<2	µg/L	2	<2	07/21/04	8260b	---	13.7	99.6	100.7	106.2
o-Xylene	<1	µg/L	1	<1	07/21/04	8260b	---	12	108	111.3	114.2
Toluene	<1	µg/L	1	<1	07/21/04	8260b	---	4.3	100.6	106.7	104.6
Acenaphthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	4.3	47.7	103.8	31.9
Acenaphthylene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	24.2	41.1	99	27.5
Anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	P	38.6	39.1	102.4	51.5
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	P	80.1	69.9	117.3	87.4
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	185.2	51.7	108.6	76.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	165.4	84.2	119.2	86
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	159.8	93.1	116.4	95.9
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	160.4	77.4	104.1	79.7
Chrysene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	8.1	63.7	99.6	73.7
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	154.5	86.4	119.4	88.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	3.7	60.5	100.4	68.1
Fluorene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	J	11.5	48.6	103.4	34.8
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	S,M,P	160.7	96.1	113.7	98.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11043
Sample Name: LELLBM071404MW7

Report#/Lab ID#: 157742
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	0.261	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	6.6	39.3	101.7	26.7
Phenanthrene	0.293	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	16	54.5	100.1	47.4
Pyrene	<0.05	µg/L	0.05	<0.05	07/27/04	610 & 8270c	---	5.5	59.2	99	68.5

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 157742
Attn: Iain Olness	**Sample Name:** LELLBM071404MW7	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	45	39-110	---
Nitrobenzene-d5	610 & 8270c	40	12-110	---
Terphenyl-d14	610 & 8270c	70.6	25-110	---
1,2-Dichloroethane-d4	8260b	105	74-124	---
Toluene-d8	8260b	109	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 157742 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM071404MW7

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.
Anthracene Anthracene	P 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.
Benzo[a]anthracene Benzo[a]anthracene	P 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.
Benzo[a]pyrene Benzo[a]pyrene	P 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.
Benzo[a]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.
Benzo[b]fluoranthene Benzo[b]fluoranthene	P 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.
Benzo[b]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene Benzo[g,h,i]perylene	P 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.
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.
Benzo[j,k]fluoranthene Benzo[j,k]fluoranthene	P 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.
Benzo[j,k]fluoranthene	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.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P 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.
Dibenz[a,h]anthracene	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	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene Indeno[1,2,3-cd]pyrene	P 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.

Exceptions Report:

Report #/Lab ID#: 157742 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM071404MW7

Notes:

AnalySys Inc.

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

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

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

Report#/Lab ID#: 157743 **Report Date:** 08/06/04
Project ID: 2001-11043
Sample Name: LELLBM071404MW8
Sample Matrix: water
Date Received: 07/20/2004 **Time:** 09:15
Date Sampled: 07/14/2004 **Time:** 10:20

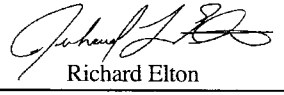
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
A/BN Extraction-PAH	---	---	---	---	07/21/04	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	08/04/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		07/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	575	µg/L	10	<10	07/22/04	8260b	---	2.6	107.9	98.8	103.7
Ethylbenzene	88.4	µg/L	10	<10	07/22/04	8260b	---	0.8	107.2	104.3	109
m,p-Xylenes	76.2	µg/L	20	<20	07/22/04	8260b	---	0.7	107.4	103.8	112.8
o-Xylene	86.8	µg/L	10	<10	07/22/04	8260b	---	9.7	102.2	98.4	108.7
Toluene	141	µg/L	10	<10	07/22/04	8260b	---	9.3	113.5	104.9	119.9
Acenaphthene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	J	12.2	55.8	95.4	57.3
Acenaphthylene	0.064	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	15.7	50	89.7	50.4
Anthracene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	2.8	61.9	98.5	62.9
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	5.9	79.3	114.3	83.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	12.4	70.4	98.4	72.3
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	3.4	94.4	118.7	103.1
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	4.8	95.2	118.6	100.4
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	8	72.3	102.3	72.9
Chrysene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	1.4	64.1	97.9	68.5
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	4.9	81	110.9	84.5
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	6.6	69.4	97.3	66.9
Fluorene	0.127	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	6.1	56.6	95.9	57.9
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	11.9	95.7	118.4	99.7

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,



Richard Elton

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11043
Sample Name: LELLBM071404MW8

Report#/Lab ID#: 157743
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	4.94	µg/L	0.5	<0.5	08/05/04	610 & 8270c	---	17.5	46	92	47.3
Phenanthrene	1.43	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	2.1	62	97.7	63.4
Pyrene	<0.05	µg/L	0.05	<0.05	08/04/04	610 & 8270c	---	3.8	61.2	94.7	63.8

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 157743
Attn: Iain Olness	**Sample Name:** LELLBM071404MW8	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	78.5	39-110	---
Nitrobenzene-d5	610 & 8270c	78.4	12-110	---
Terphenyl-d14	610 & 8270c	69.5	25-110	---
1,2-Dichloroethane-d4	8260b	95.1	74-124	---
Toluene-d8	8260b	111	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 157743 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM071404MW8

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	J	See J-flag discussion above.

Notes:

ANALYSYS INC.

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

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

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

Report#/Lab ID#: 157744 **Report Date:** 08/06/04
Project ID: 2001-11043
Sample Name: LELLBM071404MW9
Sample Matrix: water
Date Received: 07/20/2004 **Time:** 09:15
Date Sampled: 07/14/2004 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
A/BN Extraction-PAH	---	---	---	---	07/21/04	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	07/30/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		07/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	275	µg/L	10	<10	07/22/04	8260b	---	2.6	107.9	98.8	103.7
Ethylbenzene	487	µg/L	10	<10	07/22/04	8260b	---	0.8	107.2	104.3	109
m,p-Xylenes	305	µg/L	20	<20	07/22/04	8260b	---	0.7	107.4	103.8	112.8
o-Xylene	319	µg/L	10	<10	07/22/04	8260b	---	9.7	102.2	98.4	108.7
Toluene	10.9	µg/L	10	<10	07/22/04	8260b	---	9.3	113.5	104.9	119.9
Acenaphthene	0.089	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	51.7	59.2	100.1	51.5
Acenaphthylene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	53.1	59.1	109.8	51.7
Anthracene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	28.8	66.7	103.2	54.3
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	21.6	84.4	87.9	71.9
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	18.2	71.9	89.1	64
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	14.5	85.4	88	73.3
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	15.1	85.1	103.8	72.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	17.6	78.4	100.5	67.8
Chrysene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	10.9	71.4	96.7	62.9
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	15.9	80.1	93.1	67.7
Fluoranthene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	24.3	76.8	104	59.9
Fluorene	0.306	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	39.5	58.7	102.4	50.7
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	16.4	80	95.3	67.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Elton

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11043
Sample Name: LELLBM071404MW9

Report#/Lab ID#: 157744
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	7.98	µg/L	0.5	<0.5	07/30/04	610 & 8270c	P	57.3	45	117.7	39.6
Phenanthrene	0.08	µg/L	0.05	<0.05	07/30/04	610 & 8270c	P	28	69.4	99.3	54.7
Pyrene	<0.05	µg/L	0.05	<0.05	07/30/04	610 & 8270c	---	24.2	77.1	99.7	61.2

Exceptions Report:

Report #/Lab ID#: 157744 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM071404MW9

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 Acenaphthene	P 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 Acenaphthylene	P 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 Anthracene	P 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.
Benzo[a]anthracene Benzo[a]anthracene	P 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.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P 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 Fluorene	P 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 Indeno[1,2,3-cd]pyrene	P 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 Naphthalene	P 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.
Phenanthrene Phenanthrene	P 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.

Notes:

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 157744
Attn: Iain Olness	**Sample Name:** LELLBM071404MW9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	49.4	39-110	---
Nitrobenzene-d5	610 & 8270c	24.5	12-110	---
Terphenyl-d14	610 & 8270c	73.4	25-110	---
1,2-Dichloroethane-d4	8260b	102	74-124	---
Toluene-d8	8260b	111	89-115	---

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

10063

AnalySys Inc.

Chain of Custody Form

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

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains All American
Facility Name	Livingston Line - Bob McCasland
Project Reference	2001-11043
EPI Sampler Name	Manuel Gonzales

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: Jimmy Bryant
PO Box 1660,
Midland, TX 79701

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES (SO_4^{2-})	pH	TCLP	OTHER >>>	PAH				
157737 1	LELLBM071404MW1	G	4	X						X	X		14-Jul	7:10	X							X				
157738 2	LELLBM071404MW2	G	4	X						X	X		14-Jul	7:50	X							X				
157739 3	LELLBM071404MW3	G	4	X						X	X		14-Jul	8:25	X							X				
157740 4	LELLBM071404MW5	G	4	X						X	X		14-Jul	8:50	X							X				
157741 5	LELLBM071404MW6	G	4	X						X	X		14-Jul	9:15	X							X				
157742 6	LELLBM071404MW7	G	4	X						X	X		14-Jul	9:55	X							X				
157743 7	LELLBM071404MW8	G	4	X						X	X		14-Jul	10:20	X							X				
157744 8	LELLBM071404MW9	G	4	X						X	X		14-Jul	11:00	X							X				
9																										
10																										

Sampler Relinquished:	Date / Time	Received By:	E-mail results to: iolness@hotmail.com and enviplus1@aol.com REMARKS:
Relinquished by: Iain Olness	Date 7/19/04 Time 1630	Received By: (lab staff)	0915
Delivered by:	Sample Cool & Intact Yes No	Checked By:	T: 2.6 C

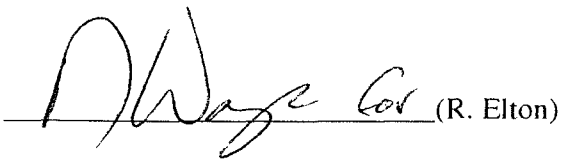
Sample Analysis Case Narrative

Client: Environmental Plus, Inc. **Project ID:** 2001-11043

Attn: Iain Olness

for Sample #'s: 157737 **thru** 157744

Analyzed by AnalySys, Inc.

Final Review Date: 8/13/2004 **By:**  (R. Elton)

Case Narrative:

The precisions of several Semi Volatile organic compounds for the analytical batch that contained sample #'s 157737 and 157744 were higher than normal laboratory acceptance criteria. However, in each case, the Matrix Spikes (MS & MSD), and the Laboratory Control Sample (LCS) run with this batch were within analyte recovery limits indicating that the analytical process was working appropriately and in control. This deviation in the precision between the MS and MSD when viewed in conjunction with the acceptable analyte recovery seen for the MS, MSD, and LCS should have minimal impact on data usability.

The recoveries of several Semi Volatile organic analytes in the Matrix Spikes (MS and/or MSD) for the analytical batch that contained sample #'s 157738, 157741, and 157742 were either suppressed or masked due to high levels of target and/or non-target organic compounds found in the randomly chosen spiked sample. This is evidenced by the "M" flags (Matrix Interference) seen in the Data Quality column of the data package. None of the above referenced samples were the spiked sample. The Laboratory Control Sample (LCS) run with this batch met recovery acceptance criteria for each analyte indicating that the analytical method was operating correctly and in control. The LCS is a control sample run in a clean matrix generally not subject to the organic interferences seen in heavily contaminated spiked samples. When viewed within the context of the passing LCS data, and the acceptable surrogate recoveries seen for the above referenced samples, these deviations in spike recovery should have minimal impact on data usability.

As noted above, high levels of target and non-target organic compounds interfered with spike recovery in the Semi Volatile organic analysis of sample #'s 157738, 157741, and 157742. The precisions of several Semi Volatile organic compounds were also negatively impacted. The Laboratory Control Sample (LCS) run with this analytical batch met recovery criteria for each analyte indicating the analytical process was working correctly and in control. When viewed within the context of the passing LCS data, and the acceptable surrogate recoveries seen for the above referenced samples, this deviation in the precision between the MS and MSD should have minimal impact on data usability.

The Semi Volatile organic surrogate 2-Fluorobiphenyl was slightly below normal laboratory acceptance criteria (36% recovery versus a normal low limit of 39% recovery) for sample # 157737. When surrogates fail, the sample is normally re-extracted and analyzed. However, there was insufficient sample volume to perform a re-analysis of this sample. The other two surrogates associated with the Semi Volatile analysis of sample # 157737 met acceptance criteria. In addition, none of the affected analytes were present (including J-flags) in sample # 157737. When viewed within the context of the two passing surrogates, the minimally low recovery seen for 2-Fluorobiphenyl, and the analytical results, this slight deviation in surrogate recovery should have a minimal impact on data usability.

INC.
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#: 159610 **Report Date:** 10/05/04
Project ID: 2001-11043
Sample Name: LELLBM091404MW1
Sample Matrix: water
Date Received: 09/15/2004 **Time:** 09:50
Date Sampled: 09/14/2004 **Time:** 09:38

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	---		---		09/16/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/16/04	8260b	---	2.3	85.6	88.2	89.1
Ethylbenzene	<1	µg/L	1	<1	09/16/04	8260b	---	2.6	98.1	102.6	109
m,p-Xylenes	<2	µg/L	2	<2	09/16/04	8260b	---	0.7	97.1	101	109
o-Xylene	<1	µg/L	1	<1	09/16/04	8260b	---	0.2	101	100.8	109.1
Toluene	<1	µg/L	1	<1	09/16/04	8260b	---	2	100.2	98.2	105.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159610
Attn: Iain Olness	**Sample Name:** LELLBM091404MW1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	74-124	---
Toluene-d8	8260b	98.9	89-115	---

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

AnalySys, Inc.
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#: 159611 **Report Date:** 10/05/04
Project ID: 2001-11043
Sample Name: LELLBM091404MW2
Sample Matrix: water
Date Received: 09/15/2004 **Time:** 09:50
Date Sampled: 09/14/2004 **Time:** 10:21

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/16/04	8260b(5030/5035)	---	---	---	---	---
Benzene	125	µg/L	1	<1	09/16/04	8260b	---	2.3	85.6	88.2	89.1
Ethylbenzene	35.8	µg/L	1	<1	09/16/04	8260b	---	2.6	98.1	102.6	109
m,p-Xylenes	10.6	µg/L	2	<2	09/16/04	8260b	---	0.7	97.1	101	109
o-Xylene	7.01	µg/L	1	<1	09/16/04	8260b	---	0.2	101	100.8	109.1
Toluene	2.76	µg/L	1	<1	09/16/04	8260b	---	2	100.2	98.2	105.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159611
Attn: Iain Olness	**Sample Name:** LELLBM091404MW2	**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	99.7	89-115	---

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

AnalySys Inc.
3324 Montopolis Drive, Austin, [redacted] 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#: 159612 **Report Date:** 10/05/04
Project ID: 2001-11043
Sample Name: LELLBM091404MW3
Sample Matrix: water
Date Received: 09/15/2004 **Time:** 09:50
Date Sampled: 09/14/2004 **Time:** 08:53

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	---	---	---	---	09/20/04	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	10/05/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		09/16/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/16/04	8260b	---	2.3	85.6	88.2	89.1
Ethylbenzene	<1	µg/L	1	<1	09/16/04	8260b	---	2.6	98.1	102.6	109
m,p-Xylenes	<2	µg/L	2	<2	09/16/04	8260b	---	0.7	97.1	101	109
o-Xylene	<1	µg/L	1	<1	09/16/04	8260b	---	0.2	101	100.8	109.1
Toluene	<1	µg/L	1	<1	09/16/04	8260b	---	2	100.2	98.2	105.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	10	40.9	95.1	26.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	8.5	41	95.6	26.4
Anthracene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	5.3	46.5	95.1	34.1
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	1.5	48.4	94.4	42.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0	48.5	94.4	41.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.1	51.4	98	44.1
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.7	49.2	88.7	42
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.1	50.8	89.3	43.4
Chrysene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	2.2	48.3	92.3	42.3
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.6	50	90.7	43
Fluoranthene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	3	47.9	94.5	39.6
Fluorene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	9.6	42.9	94.6	28.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.3	48.9	90.8	42.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11043
Sample Name: LELLBM091404MW3

Report#/Lab ID#: 159612
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	10/05/04	610 & 8270c	---	5	37.2	96.9	24.1
Phenanthrene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	7.3	46.8	93.1	33.8
Pyrene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	3.5	48.2	91.7	39

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159612
Attn: Iain Olness	**Sample Name:** LELLBM091404MW3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	39.2	39-110	---
Nitrobenzene-d5	610 & 8270c	33.4	12-110	---
Terphenyl-d14	610 & 8270c	44.2	25-110	---
1,2-Dichloroethane-d4	8260b	103	74-124	---
Toluene-d8	8260b	99.1	89-115	---

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

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

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

Report#/Lab ID#: 159613 **Report Date:** 10/05/04
Project ID: 2001-11043
Sample Name: LELLBM091404MW5
Sample Matrix: water
Date Received: 09/15/2004 **Time:** 09:50
Date Sampled: 09/14/2004 **Time:** 13:43

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	---	---	---	---	09/20/04	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	10/05/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		09/16/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**118**	µg/L	1	<1	09/16/04	8260b	---	2.3	85.6	88.2	89.1
Ethylbenzene	**58.8**	µg/L	1	<1	09/16/04	8260b	---	2.6	98.1	102.6	109
m,p-Xylenes	**4.25**	µg/L	2	<2	09/16/04	8260b	---	0.7	97.1	101	109
o-Xylene	**1.61**	µg/L	1	<1	09/16/04	8260b	---	0.2	101	100.8	109.1
Toluene	**1.35**	µg/L	1	<1	09/16/04	8260b	---	2	100.2	98.2	105.2
Acenaphthene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	10	40.9	95.1	26.2
Acenaphthylene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	8.5	41	95.6	26.4
Anthracene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	5.3	46.5	95.1	34.1
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	1.5	48.4	94.4	42.3
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0	48.5	94.4	41.9
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.1	51.4	98	44.1
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.7	49.2	88.7	42
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.1	50.8	89.3	43.4
Chrysene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	2.2	48.3	92.3	42.3
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.6	50	90.7	43
Fluoranthene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	3	47.9	94.5	39.6
Fluorene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	J	9.6	42.9	94.6	28.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	0.3	48.9	90.8	42.1

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INC.
220 [redacted] Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159613
Attn: Iain Olness	**Sample Name:** LELLBM091404MW5	**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	10/05/04	610 & 8270c	---	5	37.2	96.9	24.1
Phenanthrene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	7.3	46.8	93.1	33.8
Pyrene	<0.05	µg/L	0.05	<0.05	10/05/04	610 & 8270c	---	3.5	48.2	91.7	39

ANALYSIS INC.
3912 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159613
Attn: Iain Olness	**Sample Name:** LELLBM091404MW5	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	39.6	39-110	---
Nitrobenzene-d5	610 & 8270c	34.4	12-110	---
Terphenyl-d14	610 & 8270c	25.5	25-110	---
1,2-Dichloroethane-d4	8260b	95.9	74-124	---
Toluene-d8	8260b	99.1	89-115	---

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

Report #/Lab ID#: 159613 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM091404MW5

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
Fluorene	J	See J-flag discussion above.

Notes:

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
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Address: 2100 Ave. O
Eunice, NM 88231

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

Report#/Lab ID#: 159614 **Report Date:** 10/05/04
Project ID: 2001-11043
Sample Name: LELLBM091404MW6
Sample Matrix: water
Date Received: 09/15/2004 **Time:** 09:50
Date Sampled: 09/14/2004 **Time:** 14:32

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	---		---		09/16/04	8260b(5030/5035)	---	---	---	---	---
Benzene	10	µg/L	1	<1	09/16/04	8260b	---	2.3	85.6	88.2	89.1
Ethylbenzene	<1	µg/L	1	<1	09/16/04	8260b	---	2.6	98.1	102.6	109
m,p-Xylenes	<2	µg/L	2	<2	09/16/04	8260b	---	0.7	97.1	101	109
o-Xylene	<1	µg/L	1	<1	09/16/04	8260b	---	0.2	101	100.8	109.1
Toluene	<1	µg/L	1	<1	09/16/04	8260b	---	2	100.2	98.2	105.2

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Respectfully Submitted,

Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159614
Attn: Iain Olness	**Sample Name:** LELLBM091404MW6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.1	74-124	---
Toluene-d8	8260b	101	89-115	---

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

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(512) 385-5886 • FAX (512) 385-7411

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

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

Report#/Lab ID#: 159615 **Report Date:** 10/05/04
Project ID: 2001-11043
Sample Name: LELLBM091404MW7
Sample Matrix: water
Date Received: 09/15/2004 **Time:** 09:50
Date Sampled: 09/14/2004 **Time:** 11:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		09/16/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	09/16/04	8260b	J	2.3	85.6	88.2	89.1
Ethylbenzene	<1	µg/L	1	<1	09/16/04	8260b	---	2.6	98.1	102.6	109
m,p-Xylenes	<2	µg/L	2	<2	09/16/04	8260b	---	0.7	97.1	101	109
o-Xylene	<1	µg/L	1	<1	09/16/04	8260b	---	0.2	101	100.8	109.1
Toluene	<1	µg/L	1	<1	09/16/04	8260b	---	2	100.2	98.2	105.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159615
Attn: Iain Olness	**Sample Name:** LELLBM091404MW7	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.4	74-124	---
Toluene-d8	8260b	102	89-115	---

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

Report #/Lab ID#: 159615 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: LELLBM091404MW7

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:

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

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

Report#/Lab ID#: 159616 **Report Date:** 10/05/04
Project ID: 2001-11043
Sample Name: LELLBM091404MW8
Sample Matrix: water
Date Received: 09/15/2004 **Time:** 09:50
Date Sampled: 09/14/2004 **Time:** 12:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		09/17/04	8260b(5030/5035)	---	---	---	---	---
Benzene	482	µg/L	10	<10	09/17/04	8260b	---	2.3	85.6	88.2	89.1
Ethylbenzene	106	µg/L	10	<10	09/17/04	8260b	---	2.6	98.1	102.6	109
m,p-Xylenes	58.2	µg/L	20	<20	09/17/04	8260b	---	0.7	97.1	101	109
o-Xylene	55.1	µg/L	10	<10	09/17/04	8260b	---	0.2	101	100.8	109.1
Toluene	35.6	µg/L	10	<10	09/17/04	8260b	---	2	100.2	98.2	105.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159616
Attn: Iain Olness	**Sample Name:** LELLBM091404MW8	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.1	74-124	---
Toluene-d8	8260b	104	89-115	---

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

[redacted] INC.
[redacted] Padre Island [redacted] Corpus [redacted] isti, [redacted] 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#: 159617 **Report Date:** 10/05/04
Project ID: 2001-11043
Sample Name: LELLBM091404MW9
Sample Matrix: water
Date Received: 09/15/2004 **Time:** 09:50
Date Sampled: 09/14/2004 **Time:** 15:18

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	---		---		09/16/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**150**	µg/L	1	<1	09/16/04	8260b	---	2.3	85.6	88.2	89.1
Ethylbenzene	**225**	µg/L	1	<1	09/16/04	8260b	---	2.6	98.1	102.6	109
m,p-Xylenes	**29**	µg/L	2	<2	09/16/04	8260b	---	0.7	97.1	101	109
o-Xylene	**119**	µg/L	1	<1	09/16/04	8260b	---	0.2	101	100.8	109.1
Toluene	**2.15**	µg/L	1	<1	09/16/04	8260b	---	2	100.2	98.2	105.2

Respectfully Submitted,

Dale Wagner

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 159617
Attn: Iain Olness	**Sample Name:** LELLBM091404MW9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.4	74-124	---
Toluene-d8	8260b	100	89-115	---

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

AnalySys Inc.

Chain of Custody Form

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

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains All American
Facility Name	Livingston Line - Bob McCasland
Project Reference	2001-11043
EPI Sampler Name	Manuel Gonzales

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: Camille Reynolds
PO Box 1660,
Midland, TX 79701

ANALYSIS REQUEST

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH				
159610	1	LELLBM091404MW1	G	4	X						X	X		14-Sep	9:38	X										
159611	2	LELLBM091404MW2	G	4	X						X	X		14-Sep	10:21	X										
159612	3	LELLBM091404MW3	G	6	X						X	X		14-Sep	8:53	X							X			
159613	4	LELLBM091404MW5	G	6	X						X	X		14-Sep	13:43	X							X			
159614	5	LELLBM091404MW6	G	4	X						X	X		14-Sep	14:32	X										
159615	6	LELLBM091404MW7	G	4	X						X	X		14-Sep	11:15	X										
159616	7	LELLBM091404MW8	G	4	X						X	X		14-Sep	12:20	X										
159617	8	LELLBM091404MW9	G	4	X						X	X		14-Sep	15:18	X										
	9																									
	10																									

Sampler Relinquished: Iain Olness	Date: 9/14/04 Time: 1630	Received By:
Relinquished by:	Date: 9/15/04 Time: 09:50	Received By: (lab staff) Sammy Arredondo / ASI
Delivered by:	Sample Cool & Intact Yes No	Checked By:

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

REMARKS:

7:55c

AnalySys, Inc.
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#: 161728 **Report Date:** 11/24/04
Project ID: 2001-11043
Sample Name: PAALLBM111504MW10
Sample Matrix: water
Date Received: 11/16/2004 **Time:** 10:00
Date Sampled: 11/15/2004 **Time:** 13:29

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]
Volatile organics-8260b/BTEX	---		---		11/23/04	8260b(5030/5035)	---	---	---	---	---
Benzene	**1250**	µg/L	10	<10	11/23/04	8260b	---	0.6	95.4	93.1	95.8
Ethylbenzene	**140**	µg/L	10	<10	11/23/04	8260b	---	2.9	108.3	103.4	108.5
m,p-Xylenes	**109**	µg/L	20	<20	11/23/04	8260b	---	3.9	104	98.4	105.1
o-Xylene	**10.8**	µg/L	10	<10	11/23/04	8260b	---	3.6	109.5	103.4	109.8
Toluene	**96.7**	µg/L	10	<10	11/23/04	8260b	---	1.2	99	93.9	101

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 161728
Attn: Iain Olness	**Sample Name:** PAALLBM111504MW10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	74-124	---
Toluene-d8	8260b	110	89-115	---

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

AnalySys, Inc.
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#: 161729 **Report Date:** 11/24/04
Project ID: 2001-11043
Sample Name: PAALLBM111504MW11
Sample Matrix: water
Date Received: 11/16/2004 **Time:** 10:00
Date Sampled: 11/15/2004 **Time:** 14:33

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	---		---		11/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	11/22/04	8260b	J	0.6	95.4	93.1	95.8
Ethylbenzene	<1	µg/L	1	<1	11/22/04	8260b	---	2.9	108.3	103.4	108.5
m,p-Xylenes	<2	µg/L	2	<2	11/22/04	8260b	---	3.9	104	98.4	105.1
o-Xylene	<1	µg/L	1	<1	11/22/04	8260b	---	3.6	109.5	103.4	109.8
Toluene	<1	µg/L	1	<1	11/22/04	8260b	---	1.2	99	93.9	101

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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PHILLYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 161729
Attn: Iain Olness	**Sample Name:** PAALLBM111504MW11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	110	74-124	---
Toluene-d8	8260b	114	89-115	---

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

Report #/Lab ID#: 161729 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: PAALLBM111504MW11

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:

AnalySys Inc.

Chain of Custody Form

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

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

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains All American
Facility Name	Livingston Line - Bob McCasland
Project Reference	2001-11043
EPI Sampler Name	Manuel Gonzales

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH				
161728 1	PAALLBM111504MW10	G	3	X						X	X		15-Nov	13:29	X											
161729 2	PAALLBM111504MW11	G	3	X						X	X		15-Nov	14:33	X											
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										

Sampler Relinquished:	Date: 11/15/2004 Time: 16:30	Received By:	E-mail results to: iolness@hotmail.com
Relinquished by:	Date: 11/16/04 Time: 1000	Received By: (lab staff)	REMARKS:
Delivered by:	Sample Cool & Intact Yes No	Checked By:	

AnalySys Inc.

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

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

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

Report#/Lab ID#: 162941 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-1
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 09:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/28/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/28/04	8260b	---	2.6	102	103.8	105
Ethylbenzene	<1	µg/L	1	<1	12/28/04	8260b	---	0	103.7	108.3	105.9
m,p-Xylenes	<2	µg/L	2	<2	12/28/04	8260b	---	0	103.6	107.7	105.1
o-Xylene	<1	µg/L	1	<1	12/28/04	8260b	---	0.6	108.3	102.1	110.4
Toluene	<1	µg/L	1	<1	12/28/04	8260b	---	2.2	107.3	116.1	115.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162941
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.7	74-124	---
Toluene-d8	8260b	110	89-115	---

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

ANALYSYS INC.

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

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

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

Report#/Lab ID#: 162942 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-2
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 10:12

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]
Volatile organics-8260b/BTEX	---		---		12/28/04	8260b(5030/5035)	---	---	---	---	---
Benzene	267	µg/L	10	<10	12/29/04	8260b	---	2.6	102	103.8	105
Ethylbenzene	35.7	µg/L	1	<1	12/28/04	8260b	---	0	103.7	108.3	105.9
m,p-Xylenes	<2	µg/L	2	<2	12/28/04	8260b	---	0	103.6	107.7	105.1
o-Xylene	1.09	µg/L	1	<1	12/28/04	8260b	---	0.6	108.3	102.1	110.4
Toluene	1.24	µg/L	1	<1	12/28/04	8260b	---	2.2	107.3	116.1	115.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162942
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.2	74-124	---
Toluene-d8	8260b	106	89-115	---

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

AnalySys Inc.

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

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

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

Report#/Lab ID#: 162943 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-3
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 08:27

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/28/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/28/04	8260b	---	2.6	102	103.8	105
Ethylbenzene	<1	µg/L	1	<1	12/28/04	8260b	---	0	103.7	108.3	105.9
m,p-Xylenes	<2	µg/L	2	<2	12/28/04	8260b	---	0	103.6	107.7	105.1
o-Xylene	<1	µg/L	1	<1	12/28/04	8260b	---	0.6	108.3	102.1	110.4
Toluene	<1	µg/L	1	<1	12/28/04	8260b	---	2.2	107.3	116.1	115.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Dale Wagner

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

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162943
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	74-124	---
Toluene-d8	8260b	108	89-115	---

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

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Eunice, NM 88231

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

Report#/Lab ID#: 162944 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-4
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 11:27

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	829	µg/L	10	<10	12/29/04	8260b	---	3.3	101.5	98	100.6
Ethylbenzene	173	µg/L	1	<1	12/29/04	8260b	---	2.4	105.8	106.8	102.7
m,p-Xylenes	176	µg/L	2	<2	12/29/04	8260b	---	3	105.6	106.9	101.8
o-Xylene	59.5	µg/L	1	<1	12/29/04	8260b	---	7.1	101	102.3	98.5
Toluene	6.6	µg/L	1	<1	12/29/04	8260b	---	11.2	114.2	102.8	108.4

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162944
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-4	**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	108	89-115	---

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

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Eunice, NM 88231

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

Report#/Lab ID#: 162945 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-5
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 11:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	204	µg/L	1	<1	12/29/04	8260b	---	3.3	101.5	98	100.6
Ethylbenzene	66.7	µg/L	1	<1	12/29/04	8260b	---	2.4	105.8	106.8	102.7
m,p-Xylenes	<2	µg/L	2	<2	12/29/04	8260b	J	3	105.6	106.9	101.8
o-Xylene	<1	µg/L	1	<1	12/29/04	8260b	J	7.1	101	102.3	98.5
Toluene	<1	µg/L	1	<1	12/29/04	8260b	J	11.2	114.2	102.8	108.4

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162945
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-5	**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	111	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 162945 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-5

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

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Eunice, NM 88231

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

Report#/Lab ID#: 162946 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-6
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 07:36

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/28/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/28/04	8260b	---	2.6	102	103.8	105
Ethylbenzene	<1	µg/L	1	<1	12/28/04	8260b	---	0	103.7	108.3	105.9
m,p-Xylenes	<2	µg/L	2	<2	12/28/04	8260b	---	0	103.6	107.7	105.1
o-Xylene	<1	µg/L	1	<1	12/28/04	8260b	---	0.6	108.3	102.1	110.4
Toluene	<1	µg/L	1	<1	12/28/04	8260b	---	2.2	107.3	116.1	115.5

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Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162946
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-6	**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	107	89-115	---

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

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

Report#/Lab ID#: 162947 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-7
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 10:37

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/28/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/28/04	8260b	---	2.6	102	103.8	105
Ethylbenzene	<1	µg/L	1	<1	12/28/04	8260b	---	0	103.7	108.3	105.9
m,p-Xylenes	<2	µg/L	2	<2	12/28/04	8260b	---	0	103.6	107.7	105.1
o-Xylene	<1	µg/L	1	<1	12/28/04	8260b	---	0.6	108.3	102.1	110.4
Toluene	<1	µg/L	1	<1	12/28/04	8260b	---	2.2	107.3	116.1	115.5

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162947
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-7	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.3	74-124	---
Toluene-d8	8260b	108	89-115	---

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

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

Report#/Lab ID#: 162948 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-8
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 10:51

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	4220	µg/L	100	<100	12/29/04	8260b	---	3.3	101.5	98	100.6
Ethylbenzene	695	µg/L	10	<10	12/29/04	8260b	---	2.4	105.8	106.8	102.7
m,p-Xylenes	208	µg/L	20	<20	12/29/04	8260b	---	3	105.6	106.9	101.8
o-Xylene	57	µg/L	10	<10	12/29/04	8260b	---	7.1	101	102.3	98.5
Toluene	113	µg/L	10	<10	12/29/04	8260b	---	11.2	114.2	102.8	108.4

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162948
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-8	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	74-124	---
Toluene-d8	8260b	112	89-115	---

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

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

Report#/Lab ID#: 162949 **Report Date:** 01/03/05
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-9
Sample Matrix: water
Date Received: 12/22/2004 **Time:** 10:20
Date Sampled: 12/21/2004 **Time:** 08:08

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/28/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/28/04	8260b	J	2.6	102	103.8	105
Ethylbenzene	3.35	µg/L	1	<1	12/28/04	8260b	---	0	103.7	108.3	105.9
m,p-Xylenes	2.61	µg/L	2	<2	12/28/04	8260b	---	0	103.6	107.7	105.1
o-Xylene	20.4	µg/L	1	<1	12/28/04	8260b	---	0.6	108.3	102.1	110.4
Toluene	<1	µg/L	1	<1	12/28/04	8260b	---	2.2	107.3	116.1	115.5

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 162949
Attn: Iain Olness	**Sample Name:** PAALLBM122104MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.7	74-124	---
Toluene-d8	8260b	110	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 162949 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11043
Sample Name: PAALLBM122104MW-9

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:

11362

AnalySys Inc.

Chain of Custody Form

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

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

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains All American
Facility Name	Livingston Line - Bob McCasland
Project Reference	2001-11043
EPI Sampler Name	Manuel Gonzales

Bill To:

PLAINS ALL AMERICAN PIPELINE, L.P.

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

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH				
162941 1	PAALLBM122104MW-1	G	3	X						X	X		21-Dec	9:15 Am	X											
162942 2	PAALLBM122104MW-2	G	3	X						X	X		21-Dec	10:12 Am	X											
162943 3	PAALLBM122104MW-3	G	3	X						X	X		21-Dec	8:27 Am	X											
162944 4	PAALLBM122104MW-4	G	3	X						X	X		21-Dec	11:27 Am	X											
162945 5	PAALLBM122104MW-5	G	3	X						X	X		21-Dec	11:15 Am	X											
162946 6	PAALLBM122104MW-6	G	3	X						X	X		21-Dec	7:36 Am	X											
162947 7	PAALLBM122104MW-7	G	3	X						X	X		21-Dec	10:37 Am	X											
162948 8	PAALLBM122104MW-8	G	3	X						X	X		21-Dec	10:51 Am	X											
162949 9	PAALLBM122104MW-9	G	3	X						X	X		21-Dec	8:08 Am	X											
10																										

Sampler Relinquished: Manuel Gonzales	Date: 12-21-04 Time: 11:49 Am	Received By: Jimmy Jaroda ASI	E-mail results to: iolness@hotmail.com and cjreynolds@paalp.com
Relinquished by:	Date / Time	Received By: (lab staff) 12/22/04 1020	REMARKS:
Delivered by:	Sample Cool & Intact Yes No	Checked By:	

APPENDIX B

SOIL ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jimmy Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Livingston Line - Bob McCasland

Project Number: 2001-11043

Location: UL-K Section 3 T21S R37E

Lab Order Number: 4F11008

Report Date: 08/16/04

Plains All American EH & S	Project: Livingston Line - Bob McCasland	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2001-11043	**Reported:**
Midland TX, 79706-4476	Project Manager: Jimmy Bryant	08/16/04 12:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LLBM60704MW9(20'-22')	4F11008-01	Soil	06/07/04 09:25	06/11/04 10:50
LLBM60704MW9(25'-27')	4F11008-02	Soil	06/07/04 09:48	06/11/04 10:50
LLBM60804MW7(20'-22')	4F11008-03	Soil	06/08/04 08:40	06/11/04 10:50
LLBM60904MW8(20'-22')	4F11008-04	Soil	06/09/04 08:40	06/11/04 10:50
LLBM60904MW8(25'-27')	4F11008-05	Soil	06/09/04 09:00	06/11/04 10:50

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LLBM60704MW9(20'-22') (4F11008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF41122	06/11/04	06/11/04	EPA 8021B	
Toluene	**J [0.0243]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0800**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.200**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0436**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**55.5**	10.0	mg/kg dry	1	EF41120	06/11/04	06/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	**290**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**346**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*74.0 %*	*70-130*		"	"	"	"	
LLBM60704MW9(25'-27') (4F11008-02) Soil									
Benzene	**0.0353**	0.0250	mg/kg dry	25	EF41122	06/11/04	06/11/04	EPA 8021B	
Toluene	**0.236**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.857**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.40**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.584**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**48.1**	10.0	mg/kg dry	1	EF41120	06/11/04	06/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	**19.1**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**67.2**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*84.4 %*	*70-130*		"	"	"	"	
LLBM60804MW7(20'-22') (4F11008-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF41122	06/11/04	06/11/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*88.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41120	06/11/04	06/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LLBM60804MW7(20'-22') (4F11008-03) Soil									
Surrogate: 1-Chlorooctane		*78.6 %*	*70-130*		*EF41120*	*06 11 04*	*06 11 04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*73.0 %*	*70-130*		"	"	"	"	
LLBM60904MW8(20'-22') (4F11008-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF41122	06/11/04	06/11/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41120	06/11/04	06/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*71.0 %*	*70-130*		"	"	"	"	
LLBM60904MW8(25'-27') (4F11008-05) Soil									
Benzene	**1.49**	0.0250	mg/kg dry	25	EF41122	06/11/04	06/11/04	EPA 8021B	
Toluene	**1.38**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.03**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.21**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.283**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*257 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*86.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**46.6**	10.0	mg/kg dry	1	EF41120	06/11/04	06/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	**40.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**87.5**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.2 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LLBM60704MW9(20'-22') (4F11008-01) Soil									
% Solids	**86.0**		%	1	EF41301	06/11/04	06/11/04	% calculation	
LLBM60704MW9(25'-27') (4F11008-02) Soil									
% Solids	**84.0**		%	1	EF41301	06/11/04	06/11/04	% calculation	
LLBM60804MW7(20'-22') (4F11008-03) Soil									
% Solids	**91.0**		%	1	EF41301	06/11/04	06/11/04	% calculation	
LLBM60904MW8(20'-22') (4F11008-04) Soil									
% Solids	**90.0**		%	1	EF41301	06/11/04	06/11/04	% calculation	
LLBM60904MW8(25'-27') (4F11008-05) Soil									
% Solids	**86.0**		%	1	EF41301	06/11/04	06/11/04	% calculation	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41120 - Solvent Extraction (GC)										
Blank (EF41120-BLK2)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*40.4*		*mg kg*	*50.0*		*80.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.7*		*"*	*50.0*		*75.4*	*70-130*			
LCS (EF41120-BS1)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	440	10.0	mg/kg wet	500		88.0	75-125			
Diesel Range Organics >C12-C35	524	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	964	10.0	"	1000		96.4	75-125			
Surrogate: 1-Chlorooctane	*51.4*		*mg kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.9*		*"*	*50.0*		*83.8*	*70-130*			
LCS (EF41120-BS2)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125			
Diesel Range Organics >C12-C35	457	10.0	"	500		91.4	75-125			
Total Hydrocarbon C6-C35	868	10.0	"	1000		86.8	75-125			
Surrogate: 1-Chlorooctane	*51.6*		*mg kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.1*		*"*	*50.0*		*80.2*	*70-130*			
LCS Dup (EF41120-BSD1)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	453	10.0	mg/kg wet	500		90.6	75-125	2.91	20	
Diesel Range Organics >C12-C35	495	10.0	"	500		99.0	75-125	5.69	20	
Total Hydrocarbon C6-C35	948	10.0	"	1000		94.8	75-125	1.67	20	
Surrogate: 1-Chlorooctane	*51.8*		*mg kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.7*		*"*	*50.0*		*83.4*	*70-130*			
Calibration Check (EF41120-CCV2)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	425		mg/kg	500		85.0	80-120			
Diesel Range Organics >C12-C35	493		"	500		98.6	80-120			
Total Hydrocarbon C6-C35	918		"	1000		91.8	80-120			
Surrogate: 1-Chlorooctane	*51.0*		*"*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.6*		*"*	*50.0*		*89.2*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41120 - Solvent Extraction (GC)										
Matrix Spike (EF41120-MS2)	**Source: 4F11010-01**			Prepared: 06/11/04 Analyzed: 06/12/04						
Gasoline Range Organics C6-C12	481	10.0	mg/kg dry	538	ND	89.4	75-125			
Diesel Range Organics >C12-C35	555	10.0	"	538	ND	103	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1080	ND	96.3	75-125			
Surrogate: 1-Chlorooctane	*58.1*		*mg kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.9*		*"*	*50.0*		*77.8*	*70-130*			
Matrix Spike Dup (EF41120-MSD2)	**Source: 4F11010-01**			Prepared: 06/11/04 Analyzed: 06/12/04						
Gasoline Range Organics C6-C12	470	10.0	mg/kg dry	538	ND	87.4	75-125	2.31	20	
Diesel Range Organics >C12-C35	558	10.0	"	538	ND	104	75-125	0.539	20	
Total Hydrocarbon C6-C35	1030	10.0	"	1080	ND	95.4	75-125	0.966	20	
Surrogate: 1-Chlorooctane	*58.0*		*mg kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.4*		*"*	*50.0*		*80.8*	*70-130*			
Batch EF41122 - EPA 5030C (GC)										
Blank (EF41122-BLK1)				Prepared & Analyzed: 06/11/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*94.0*		*ug kg*	*100*		*94.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*89.7*		*"*	*100*		*89.7*	*80-120*			
LCS (EF41122-BS1)				Prepared & Analyzed: 06/11/04						
Benzene	87.8		ug/kg	100		87.8	80-120			
Toluene	90.8		"	100		90.8	80-120			
Ethylbenzene	86.5		"	100		86.5	80-120			
Xylene (p/m)	174		"	200		87.0	80-120			
Xylene (o)	86.5		"	100		86.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	*101*		*"*	*100*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*95.6*		*"*	*100*		*95.6*	*80-120*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41122 - EPA 5030C (GC)										
Calibration Check (EF41122-CCV1)				Prepared & Analyzed: 06/11/04						
Benzene	87.8		ug/kg	100		87.8	80-120			
Toluene	90.5		"	100		90.5	80-120			
Ethylbenzene	86.8		"	100		86.8	80-120			
Xylene (p/m)	173		"	200		86.5	80-120			
Xylene (o)	88.6		"	100		88.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*97.0*		"	*100*		*97.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*92.7*		"	*100*		*92.7*	*80-120*			
Matrix Spike (EF41122-MS1)	**Source: 4F11001-04**			Prepared & Analyzed: 06/11/04						
Benzene	81.5		ug/kg	100	ND	81.5	80-120			
Toluene	81.8		"	100	ND	81.8	80-120			
Ethylbenzene	80.3		"	100	ND	80.3	80-120			
Xylene (p/m)	161		"	200	ND	80.5	80-120			
Xylene (o)	80.2		"	100	ND	80.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*89.4*		"	*100*		*89.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*85.2*		"	*100*		*85.2*	*80-120*			
Matrix Spike Dup (EF41122-MSD1)	**Source: 4F11001-04**			Prepared & Analyzed: 06/11/04						
Benzene	86.8		ug/kg	100	ND	86.8	80-120	6.30	20	
Toluene	90.2		"	100	ND	90.2	80-120	9.77	20	
Ethylbenzene	87.1		"	100	ND	87.1	80-120	8.12	20	
Xylene (p/m)	174		"	200	ND	87.0	80-120	7.76	20	
Xylene (o)	87.1		"	100	ND	87.1	80-120	8.25	20	
Surrogate: a,a,a-Trifluorotoluene	*98.2*		"	*100*		*98.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*91.1*		"	*100*		*91.1*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41301 - General Preparation (Prep)										
Blank (EF41301-BLK1)				Prepared & Analyzed: 06/11/04						
% Solids	100		%							
Duplicate (EF41301-DUP1)	**Source: 4F11001-01**			Prepared & Analyzed: 06/11/04						
% Solids	86.0		%		86.0			0.00	20	
Duplicate (EF41301-DUP2)	**Source: 4F12001-17**			Prepared & Analyzed: 06/11/04						
% Solids	86.0		%		87.0			1.16	20	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 8/16/04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

AnalySys, Inc.
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#: 161722 **Report Date:** 11/24/04
Project ID: 2001-11043
Sample Name: MW-10 (5')
Sample Matrix: soil
Date Received: 11/16/2004 **Time:** 10:00
Date Sampled: 11/08/2004 **Time:** 10:51

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]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	11/16/04	8015 mod.	---	0.8	85.8	105	84.4
TPH by GC (as diesel-ext)	---	---	---	---	11/16/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	11/16/04	8015 mod.	---	0.5	87	100.3	90.1
Volatile organics-8260b/BTEX	---		---		11/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	12.5	81.5	92.7	93.2
Ethylbenzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	3.7	100.8	105.4	108.5
m,p-Xylenes	<40	µg/Kg	40	<40	11/22/04	8260b	---	2.7	96.7	103.6	103.7
o-Xylene	<20	µg/Kg	20	<20	11/22/04	8260b	---	4.3	103.4	110.7	111.9
Toluene	<20	µg/Kg	20	<20	11/22/04	8260b	---	12.4	97.7	98.3	98.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

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.

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

Client: Environmental Plus, Inc. **Attn:** Iain Olness	**Project ID:** 2001-11043 **Sample Name:** MW-10 (5')	**Report#/Lab ID#:** 161722 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	75.1	30-125	---
p-Terphenyl	8015 mod.	86.2	30-160	---
1,2-Dichloroethane-d4	8260b	82.6	56-120	---
Toluene-d8	8260b	77.5	71-116	---

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

AnalySys, Inc.
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#: 161723 **Report Date:** 11/24/04
Project ID: 2001-11043
Sample Name: MW-10 (15')
Sample Matrix: soil
Date Received: 11/16/2004 **Time:** 10:00
Date Sampled: 11/08/2004 **Time:** 11:03

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]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	11/16/04	8015 mod.	---	0.8	85.8	105	84.4
TPH by GC (as diesel-ext)	---	---	---	---	11/16/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	11/16/04	8015 mod.	---	0.5	87	100.3	90.1
Volatile organics-8260b/BTEX	---		---		11/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	12.5	81.5	92.7	93.2
Ethylbenzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	3.7	100.8	105.4	108.5
m,p-Xylenes	<40	µg/Kg	40	<40	11/22/04	8260b	---	2.7	96.7	103.6	103.7
o-Xylene	<20	µg/Kg	20	<20	11/22/04	8260b	---	4.3	103.4	110.7	111.9
Toluene	<20	µg/Kg	20	<20	11/22/04	8260b	---	12.4	97.7	98.3	98.8

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ANALYSYS INC.

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

Client: Environmental Plus, Inc. **Attn:** Iain Olness	**Project ID:** 2001-11043 **Sample Name:** MW-10 (15')	**Report#/Lab ID#:** 161723 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	72.9	30-125	---
p-Terphenyl	8015 mod.	85.2	30-160	---
1,2-Dichloroethane-d4	8260b	88.4	56-120	---
Toluene-d8	8260b	89.4	71-116	---

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

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(512) 385-5886 • FAX (512) 385-7411

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

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

Report#/Lab ID#: 161724 **Report Date:** 11/24/04
Project ID: 2001-11043
Sample Name: MW-10 (25')
Sample Matrix: soil
Date Received: 11/16/2004 **Time:** 10:00
Date Sampled: 11/08/2004 **Time:** 11:22

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]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	11/16/04	8015 mod.	---	0.8	85.8	105	84.4
TPH by GC (as diesel-ext)	---	---	---	---	11/16/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	11/16/04	8015 mod.	---	0.5	87	100.3	90.1
Volatile organics-8260b/BTEX	---		---		11/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	13.2	73.3	107.4	92.5
Ethylbenzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	0.7	91.5	109.3	109.5
m,p-Xylenes	<40	µg/Kg	40	<40	11/22/04	8260b	---	5.6	89.8	107.9	108.5
o-Xylene	<20	µg/Kg	20	<20	11/22/04	8260b	---	3.6	83.4	115.6	112.3
Toluene	<20	µg/Kg	20	<20	11/22/04	8260b	---	11.3	89.7	120	113.6

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AnalySys Inc.
5512 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: 2001-11043
Sample Name: MW-10 (25')

Report#/Lab ID#: 161724
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	73.3	30-125	---
p-Terphenyl	8015 mod.	84.4	30-160	---
1,2-Dichloroethane-d4	8260b	83.9	56-120	---
Toluene-d8	8260b	85.1	71-116	---

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#: 161725 **Report Date:** 11/24/04
Project ID: 2001-11043
Sample Name: MW-11 (5')
Sample Matrix: soil
Date Received: 11/16/2004 **Time:** 10:00
Date Sampled: 11/08/2004 **Time:** 08:16

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]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	11/16/04	8015 mod.	---	0.8	85.8	105	84.4
TPH by GC (as diesel-ext)	---	---	---	---	11/16/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	11/16/04	8015 mod.	---	0.5	87	100.3	90.1
Volatile organics-8260b/BTEX	---		---		11/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	13.2	73.3	107.4	92.5
Ethylbenzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	0.7	91.5	109.3	109.5
m,p-Xylenes	<40	µg/Kg	40	<40	11/22/04	8260b	---	5.6	89.8	107.9	108.5
o-Xylene	<20	µg/Kg	20	<20	11/22/04	8260b	---	3.6	83.4	115.6	112.3
Toluene	<20	µg/Kg	20	<20	11/22/04	8260b	---	11.3	89.7	120	113.6

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 161725
Attn: Iain Olness	**Sample Name:** MW-11 (5')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	72.2	30-125	---
p-Terphenyl	8015 mod.	83	30-160	---
1,2-Dichloroethane-d4	8260b	80.2	56-120	---
Toluene-d8	8260b	86	71-116	---

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

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Attn: Iain Olness
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Eunice, NM 88231

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

Report#/Lab ID#: 161726 **Report Date:** 11/24/04
Project ID: 2001-11043
Sample Name: MW-11 (20')
Sample Matrix: soil
Date Received: 11/16/2004 **Time:** 10:00
Date Sampled: 11/08/2004 **Time:** 08:37

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	11/16/04	8015 mod.	---	0.8	85.8	105	84.4
TPH by GC (as diesel-ext)	---	---	---	---	11/16/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	11/16/04	8015 mod.	---	0.5	87	100.3	90.1
Volatile organics-8260b/BTEX	---		---		11/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	13.2	73.3	107.4	92.5
Ethylbenzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	0.7	91.5	109.3	109.5
m,p-Xylenes	<40	µg/Kg	40	<40	11/22/04	8260b	---	5.6	89.8	107.9	108.5
o-Xylene	<20	µg/Kg	20	<20	11/22/04	8260b	---	3.6	83.4	115.6	112.3
Toluene	<20	µg/Kg	20	<20	11/22/04	8260b	---	11.3	89.7	120	113.6

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 161726
Attn: Iain Olness	**Sample Name:** MW-11 (20')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	64.8	30-125	---
p-Terphenyl	8015 mod.	77.4	30-160	---
1,2-Dichloroethane-d4	8260b	81.3	56-120	---
Toluene-d8	8260b	89.9	71-116	---

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

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Eunice, NM 88231

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

Report#/Lab ID#: 161727 **Report Date:** 11/24/04
Project ID: 2001-11043
Sample Name: MW-11 (25')
Sample Matrix: soil
Date Received: 11/16/2004 **Time:** 10:00
Date Sampled: 11/08/2004 **Time:** 08:43

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]
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	11/16/04	8015 mod.	---	0.8	85.8	105	84.4
TPH by GC (as diesel-ext)	---	---	---	---	11/16/04	3570m	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	11/16/04	8015 mod.	---	0.5	87	100.3	90.1
Volatile organics-8260b/BTEX	---		---		11/22/04	8260b(5030/5035)	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	5.2	72.8	109.5	97.8
Ethylbenzene	<20	µg/Kg	20	<20	11/22/04	8260b	---	3	80.9	100.2	96.3
m,p-Xylenes	<40	µg/Kg	40	<40	11/22/04	8260b	---	2.8	78.2	97.9	94
o-Xylene	<20	µg/Kg	20	<20	11/22/04	8260b	---	2.7	82.7	104.5	100
Toluene	<20	µg/Kg	20	<20	11/22/04	8260b	---	4.4	76.1	104.5	91.7

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 161727
Attn: Iain Olness	**Sample Name:** MW-11 (25')	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	71.7	30-125	---
p-Terphenyl	8015 mod.	84	30-160	---
1,2-Dichloroethane-d4	8260b	71.6	56-120	---
Toluene-d8	8260b	86.4	71-116	---

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

AnalySys Inc.

Chain of Custody Form

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

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

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains All American
Facility Name	Livingston Line - Bob McCasland
Project Reference	2001-11043
EPI Sampler Name	John Robinson

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH				
161722 1	MW-10 (5')	G	1			X					X		8-Nov	10:51	X	X									
161723 2	MW-10 (15')	G	1			X					X		8-Nov	11:03	X	X									
161724 3	MW-10 (25')	G	1			X					X		8-Nov	11:22	X	X									
161725 4	MW-11 (5')	G	1			X					X		8-Nov	8:16	X	X									
161726 5	MW-11 (20')	G	1			X					X		8-Nov	8:37	X	X									
161727 6	MW-11 (25')	G	1			X					X		8-Nov	8:43	X	X									
7																									
8																									
9																									
10																									

Sampler Relinquished: Iain Olness	Date: 11/15/04 Time: 1630	Received By:	E-mail results to: iolness@hotmail.com
Relinquished by:	Date: 11/16/04 Time: 1000	Received By: (lab staff) M Humphrey	REMARKS:
Delivered by:	Sample Cool & Intact Yes No	Checked By:	

T 2.5°C

APPENDIX C

SOIL BORING LOGS

AND

WELL CONSTRUCTION DIAGRAMS

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-7 | Surface Elevation: 3,431.37'

Start Date: 06/08/04 Time: 0715

Completion Date: 06/08/04 Time: 1300

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
							1.0' Sandy Loam Topsoil
0718	SS	NR	NR	10.9	SP		CALICHE, White to Tan, Soft to Indurated
						5	
0730	SS	NR	NR	28.7	SP		
						10	
0745	SS	NR	NR	61.9	SP		
						15	
0815	SS	NR	NR	67.3	SP		
						20	
0840	SS	NR	NR	60.7	SP		
						25	
0939	SS	NR	NR	31.4	SP	▼	Tan to Red Brown, Soft, Fine to Medium-Grained SAND with some CLAY and trace SILT and ROCK
						30	
0948	SS	NR	NR	49.4	SP		
						35	

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-7 | Surface Elevation: 3,431.37'

Start Date: 06/08/04 Time: 0715

Completion Date: 06/08/04 Time: 1300

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
1115	SS	NR	NR	44.6	SP		
						40	
1230	SS	NR	NR	30.9	SP		
							End of Boring at 42'
						45	
						50	
						55	
						60	
						65	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
06/08/04	–	–	–	–	–
07/07/04	–	–	–	–	25.90

Drilling Method: Air Rotary 6.25" OD

Backfill Method: MW-7 Installed

Field Representative: MG

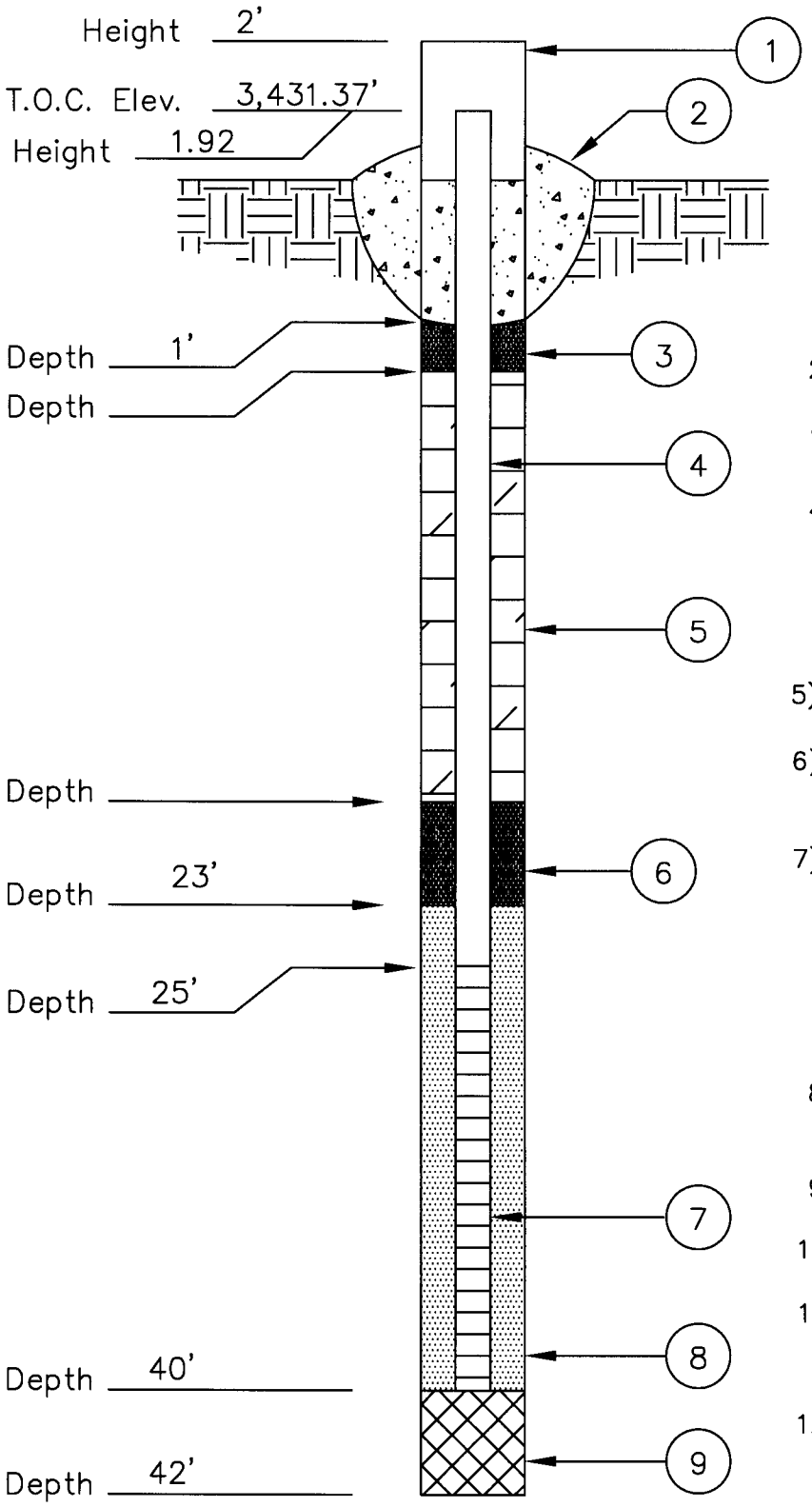
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2001-11043 Job Name: Livingston Line - Bob McCasland Boring / Well No. MW-7

Date: 06/08/04 Field Representative: MG State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Bentonite

4) Solid Pipe Type PVC

Solid Pipe Length 28 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill Bentonite

6) Type of Lower Seal if Installed Bentonite

7) Screen Type P.V.C.
Screen Length 15 ft.

Slot Size .020"
Length 15 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen Silica Sand

9) Type of Backfill Native Material

10) Drilling Method 4.25" I.D. H.S.A.

11) Additives Used if any

12) Borehole Diameter 6.25" O.D. in.

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-8 | Surface Elevation: 3,431.07'

Start Date: 06/09/04 Time: 0715

Completion Date: 06/08/04 Time: 1300

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
							1.0' Sandy Loam Topsoil
0730	SS	NR	NR	NR	SP		CALICHE, White to Tan, Soft to Indurated
						5	
0745	SS	NR	NR	NR	SP		
						10	
0810	SS	NR	NR	NR	SP		
						15	
0829	SS	NR	NR	NR	SP		
						20	
0840	SS	NR	NR	NR	SP		
						25	
0900	SS	NR	NR	NR	SP		Tan to Red Brown, Soft, Fine to Medium-Grained SAND with some CLAY and trace SILT and ROCK
						30	
0911	SS	NR	NR	NR	SP		
						35	

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-8 | Surface Elevation: 3,431.07'

Start Date: 06/09/04 Time: 0715

Completion Date: 06/09/04 Time: 1300

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
0941	SS	NR	NR	NR	SP		
						40	
1055	SS	NR	NR	NR	SP		
							End of Boring at 42'
						45	
						50	
						55	
						60	
						65	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
06/09/04	–	–	–	–	–
07/07/04	–	–	–	–	24.65

Drilling Method: Air Rotary 6.25" OD

Backfill Method: MW-8 Installed

Field Representative: MG

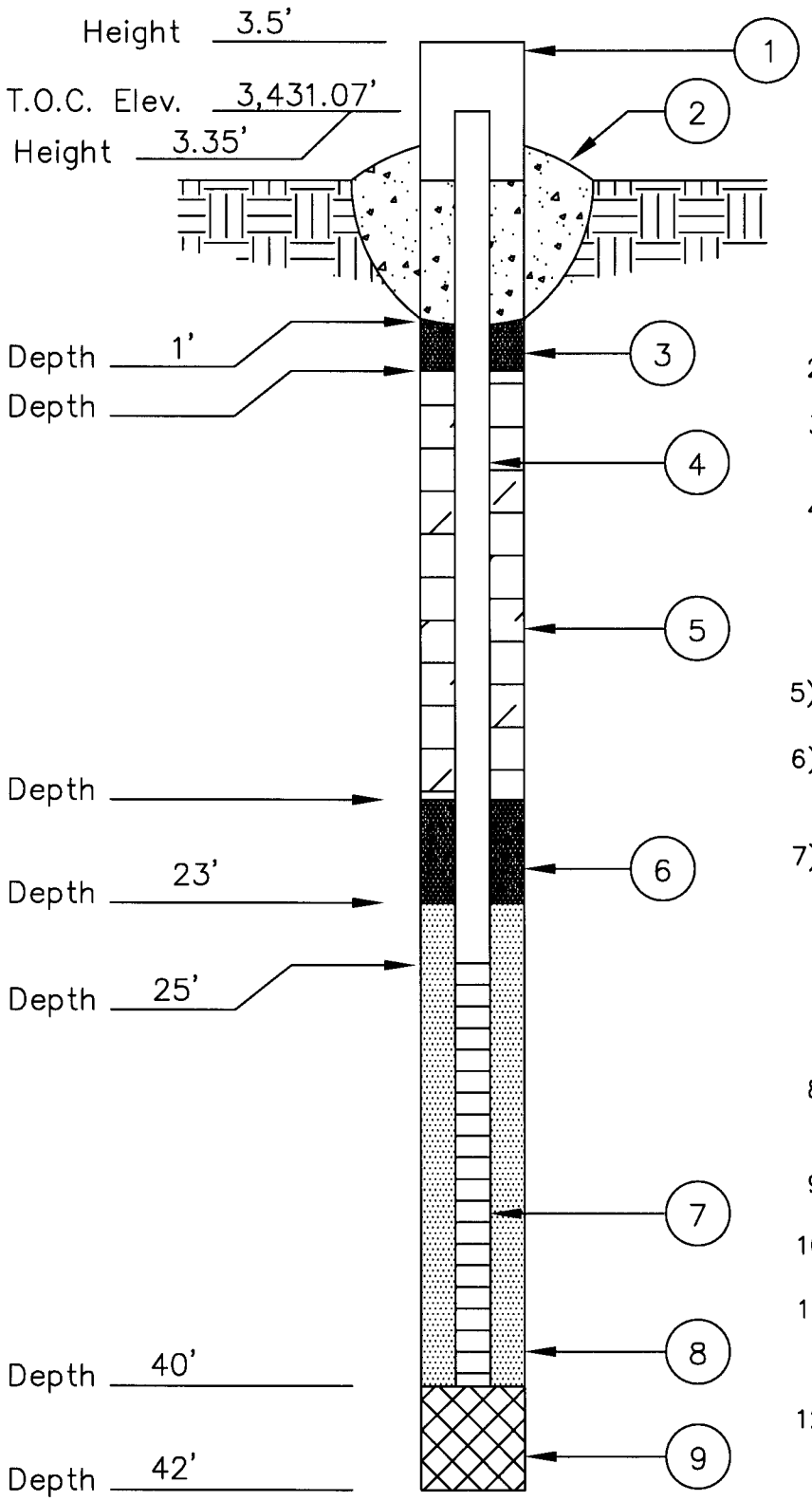
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2001-11043 Job Name: Livingston Line - Bob McCasland Boring / Well No. MW-8

Date: 06/09/04 Field Representative: MG State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Bentonite

4) Solid Pipe Type PVC

Solid Pipe Length 28 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill Bentonite

6) Type of Lower Seal if Installed Bentonite

7) Screen Type P.V.C.
Screen Length 15 ft.

Slot Size .020"
Length 15 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen Silica Sand

9) Type of Backfill Native Material

10) Drilling Method 4.25" I.D. H.S.A.

11) Additives Used if any

12) Borehole Diameter 6.25" O.D. in.

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-9 | Surface Elevation: 3,429.79'

Start Date: 06/07/04 Time: 0730

Completion Date: 06/07/04 Time: 1700

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
							1.0' Sandy Loam Topsoil
0747	SS	NR	NR	0.0	SP		CALICHE, White to Tan, Soft to Indurated
						5	
0815	SS	NR	NR	0.0	SP		
						10	
0836	SS	NR	NR	0.0	SP		
						15	
0900	SS	NR	NR	0.0	SP		
						20	
0925	SS	NR	NR	747	SP	▼	
						25	
0948	SS	NR	NR	729	SP		Tan to Red Brown, Soft, Fine to Medium-Grained SAND with some CLAY and trace SILT and ROCK
						30	
1025	SS	NR	NR	129	SP		
						35	

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-9 | Surface Elevation: 3,429.79'

Start Date: 06/07/04 Time: 0730

Completion Date: 06/07/04 Time: 1700

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
1545	SS	NR	NR	180	SP		
							End of Boring at 37'

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
06/08/04	–	–	–	–	–
07/07/04	–	–	–	–	22.05

Drilling Method: Air Rotary 6.25" OD

Backfill Method: MW-9 Installed

Field Representative: MG

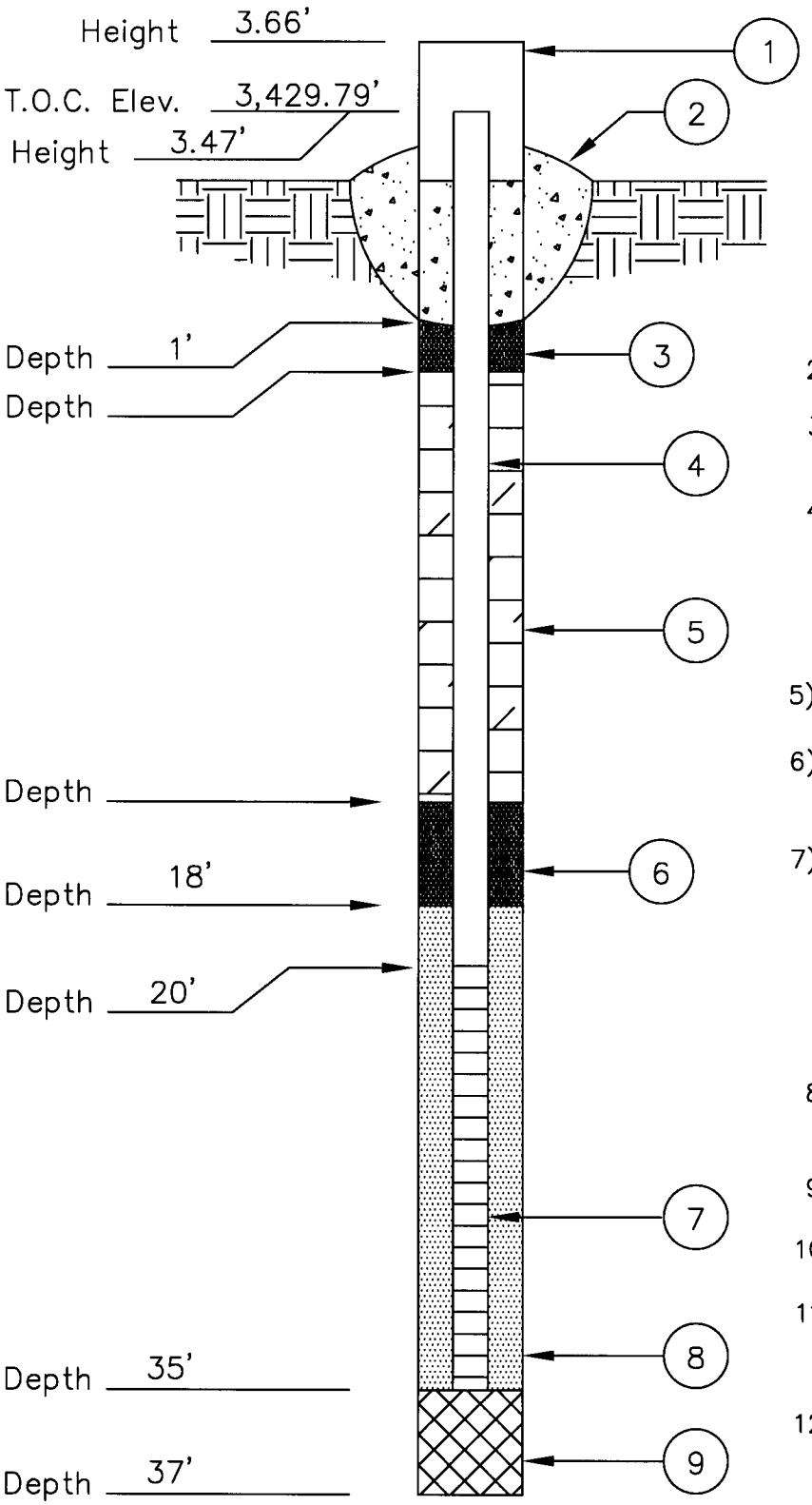
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2001-11043 Job Name: Livingston Line - Bob McCasland Boring / Well No. MW-9

Date: 06/07/04 Field Representative: MG State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed Bentonite

4) Solid Pipe Type PVC

Solid Pipe Length 23 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill Bentonite

6) Type of Lower Seal if Installed Bentonite

7) Screen Type P.V.C.
Screen Length 15 ft.

Slot Size .020"
Length 15 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen Silica Sand

9) Type of Backfill Native Material

10) Drilling Method 4.25" I.D. H.S.A.

11) Additives Used if any

12) Borehole Diameter 6.25" O.D. in.

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-10 | Surface Elevation: 3,429.49'

Start Date: 11/08/04 Time: 1045

Completion Date: 11/08/05 Time: 1315

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
							1.0' Sandy Loam Topsoil
1051	CS	60	Damp	263	SP	5	White to Red Brown, Soft, Fine to Medium-Grained SAND with trace SILT, CLAY and PEBBLES
1100	CS	24	Damp	85.5	SP	10	Black with a strong hydrocarbon odor
1103	CS	36	Damp	83.2	SP	15	Slight hydrocarbon odor
1110	CS	48	Damp	103	SP	20	Slight hydrocarbon odor
1122	CS	48	Damp/ Wet	24.2	SP	25	Top 10" Dark Red SAND Bottom 38" Gray-tan sugar SAND with some CLAY Slight hydrocarbon odor
1127	CS	36	Wet	10.3	SP	30	Top 33" Gray-tan sugar SAND with some CLAY Bottom 3" Red-brown SAND
						35	End of Boring at 34'

Log Of Test Borings

(NOTE – Page 2 of 2)

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-10 | Surface Elevation: 3,429.49'

Start Date: 11/08/04 Time: 1045

Completion Date: 11/08/04 Time: 1315

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
						40	
						45	
						50	
						55	
						60	
						65	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
11/08/04	–	–	–	–	–
11/15/04	–	–	–	–	19.61

Drilling Method: Air Rotary 6.25" OD

Backfill Method: MW-10 Installed

Field Representative: JR

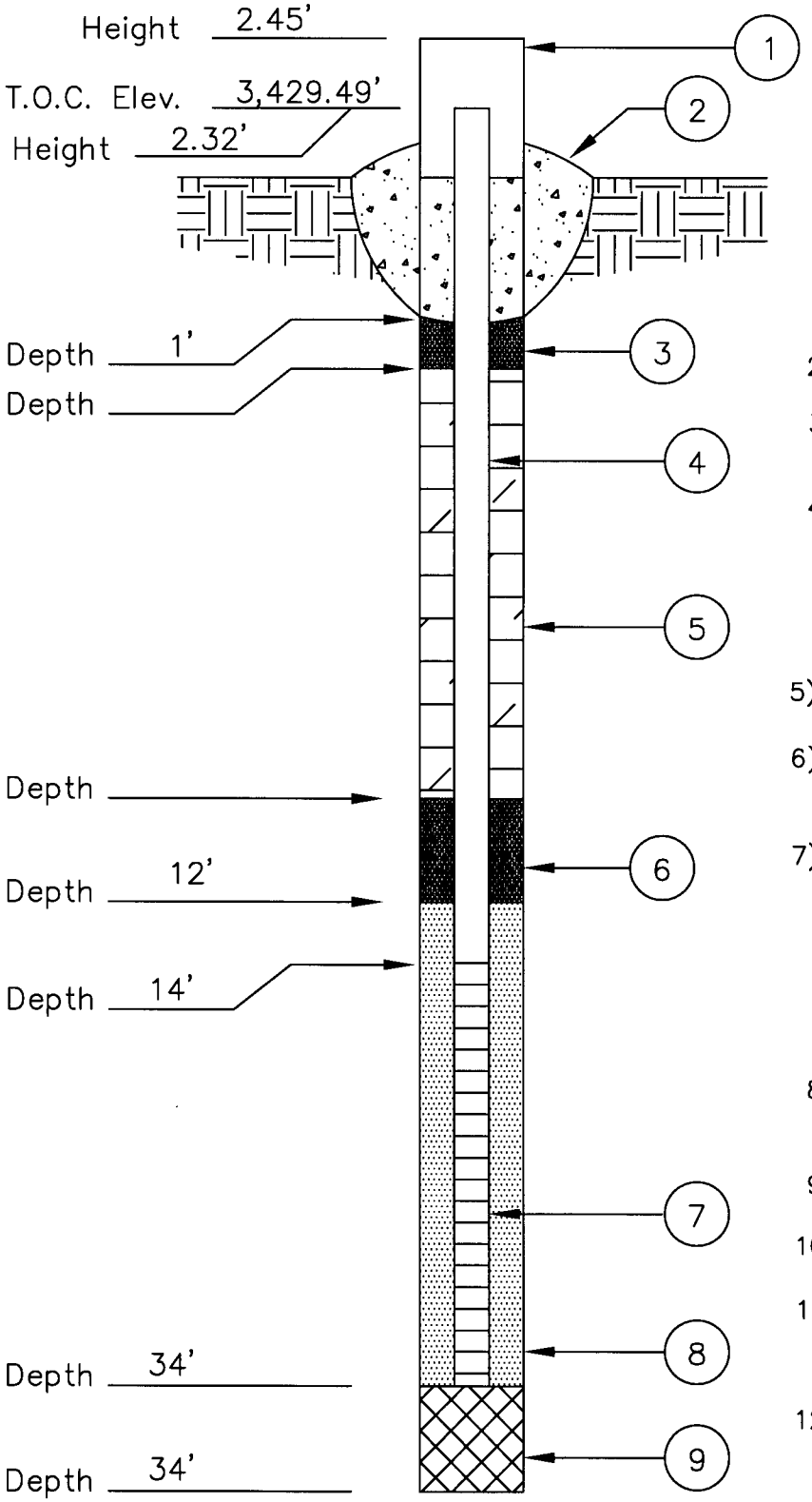
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2001-11043 Job Name: Livingston Line - Bob McCasland Boring / Well No. MW-10

Date: 11/8/04 Field Representative: JR State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed 7 bags of Bentonite Plug

4) Solid Pipe Type PVC

Solid Pipe Length 17 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill Bentonite

6) Type of Lower Seal if Installed Bentonite

7) Screen Type P.V.C.
Screen Length 20 ft.

Slot Size .020"
Length 15 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen 14 bags of 12/20 sand

9) Type of Backfill

10) Drilling Method 4.25" I.D. H.S.A.

11) Additives Used if any

12) Borehole Diameter 6.25" O.D. in.

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-11 | Surface Elevation: 3,428.32'

Start Date: 11/08/04 Time: 0800

Completion Date: 11/08/05 Time: 1000

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
							1.0' Sandy Loam Topsoil
0816	CS	60	Wet	19.1	SP	5	White to Red Brown, Soft, Fine to Medium-Grained SAND with trace SILT, CLAY and PEBBLES
0825	CS	12	Damp	18.5	SP	10	
0830	CS	36	Damp	14.9	SP	15	
0837	CS	60	Damp	14.3	SP	20	Top 30" Dark Red SAND Bottom 30" White sugar-SAND
0843	CS	60	Damp	17.8	SP	25	Reddish-white SAND/CLAY mix
0850	CS	60	Wet	16.9	SP	30	White sugar-SAND/CLAY mix
						35	End of Boring at 34'

Log Of Test Borings

ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Project Number: Plains All American Pipeline – 2001-11043

Project Name: Livingston Line – Bob McCasland

Location: UL-N of Section 3, Township 21 South, Range 37 East

Boring Number: MW-11 | Surface Elevation: 3,428.32'

Start Date: 11/08/04 Time: 0800

Completion Date: 11/08/04 Time: 1000

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
						40	
						45	
						50	
						55	
						60	
						65	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
11/08/04	–	–	–	–	–
11/15/04	–	–	–	–	18.26

Drilling Method: Air Rotary 6.25" OD

Backfill Method: MW-10 Installed

Field Representative: JR

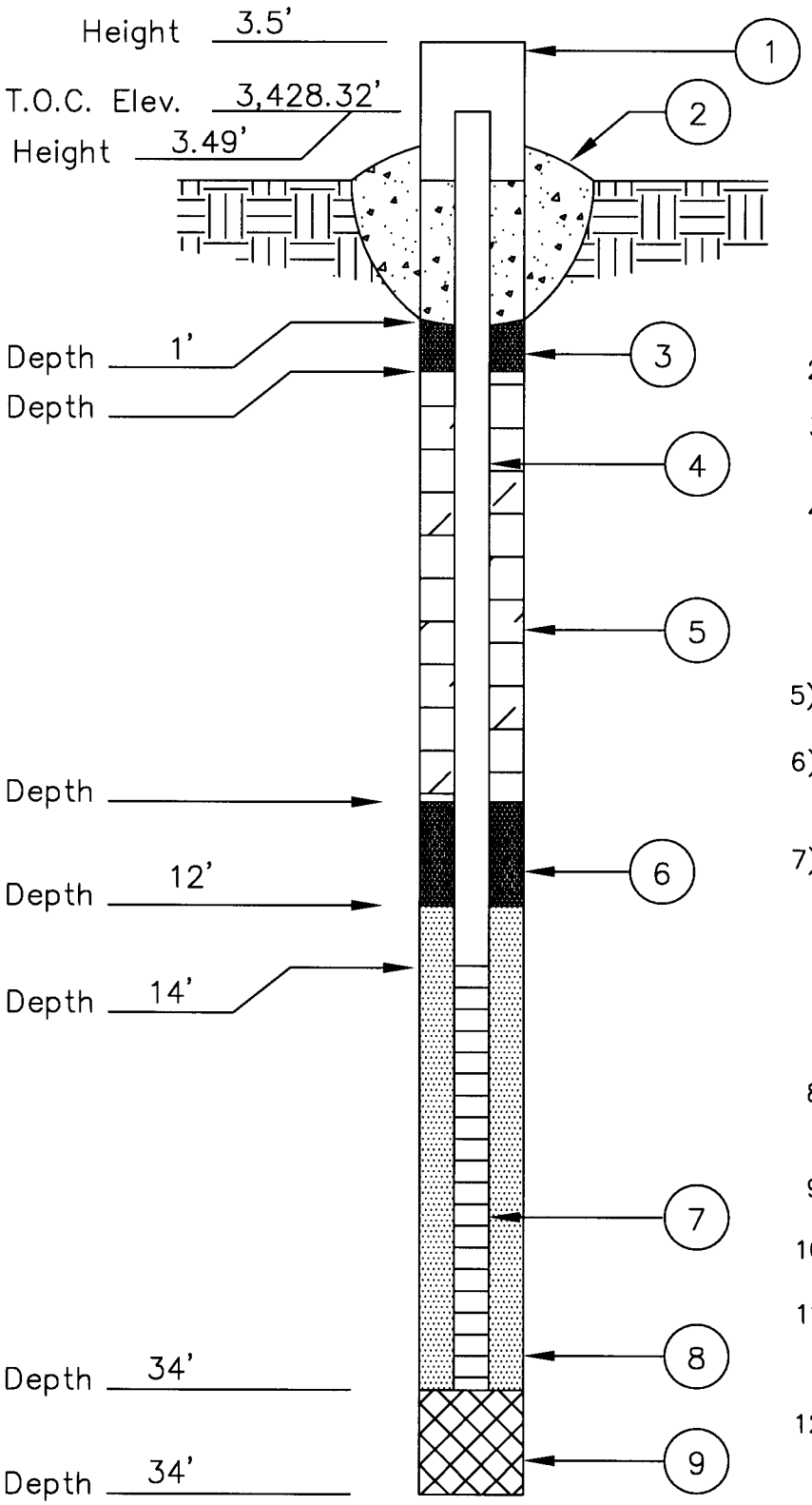
ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481

Monitoring Well Construction Information

Standard Well

Job No.: 2001-11043 Job Name: Livingston Line – Bob McCasland Boring / Well No. MW-11

Date: 11/8/04 Field Representative: JR State Unique Well No. NA



1) Protective Casing [Yes] No
Locking [Yes] No
Protective Posts Yes [No]
Concrete Pyramid Yes [No]

2) Concrete Seal [Yes] No

3) Type of Surface Seal if Installed 6 bags of Bentonite Plug

4) Solid Pipe Type PVC

Solid Pipe Length 17 ft.

Joint Type Slip/Glued or Threaded Threaded

5) Type of Backfill Bentonite

6) Type of Lower Seal if Installed Bentonite

7) Screen Type P.V.C.
Screen Length 20 ft.

Slot Size .020"
Length 15 ft.

Screen Diameter 2 in.

8) Type of Backfill around Screen 14 bags of 12/20 sand

9) Type of Backfill

10) Drilling Method 4.25" I.D. H.S.A.

11) Additives Used if any

12) Borehole Diameter 6.25" O.D. in.

APPENDIX D

INFORMATIONAL COPIES OF

SITE INFORMATION AND METRICS FORM

AND

INITIAL C-141

EOTT Site Information and Metrics	Incident Date: 7-13-01@11:30AM	NMOCD Notified: Not required
SITE: Livingston Ridge to Hugh Bob McCasland	**Assigned Site Reference #:** #2001-11043	
Company: EOTT		
Street Address: PO Box 1660		
Mailing Address: 5805 East Highway 80		
City, State, Zip: Midland, Texas 79702		
Representative: Frank Hernandez		
Representative Telephone: 915.638.3799		
Telephone:		
Fluid volume released (bbls): 4 bbls	**Recovered (bbls):** 0 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: Livingston Ridge to Hugh Bob McCasland		
Source of contamination: 4" Steel Pipeline		
Land Owner, i.e., BLM, ST, Fee, Other: Bob McCasland		
LSP Dimensions: 200' x 8'		
LSP Area: 1,600 sqft ft^2		
Location of Reference Point (RP):		
Location distance and direction from RP:		
Latitude: 32° 30' 17.9"N		
Longitude: 103° 9' 4.60"W		
Elevation above mean sea level:		
Feet from South Section Line:		
Feet from West Section Line:		
Location- Unit or ¼¼: SE¼ of the SW¼	**Unit Letter:** N	
Location- Section: 3		
Location- Township: T21S		
Location- Range: R37E		
Surface water body within 1000 ' radius of site: none		
Surface water body within 1000 ' radius of site:		
Domestic water wells within 1000' radius of site: none		
Domestic water wells within 1000' radius of site:		
Agricultural water wells within 1000' radius of site: none		
Agricultural water wells within 1000' radius of site:		
Public water supply wells within 1000' radius of site: none		
Public water supply wells within 1000' radius of site:		
Depth from land surface to ground water (DG): 21 feet		
Depth of contamination (DC): 21 fet bgs		
Depth to ground water (DG – DC = DtGW): 0 feet		

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

Total Site Ranking Score and Acceptable Concentrations

Parameter	**>19**	10-19	0-9
Benzene[1]	**10 ppm**	10 ppm	10 ppm
BTEX[1]	**50 ppm**	50 ppm	50 ppm
TPH	**100 ppm**	1,000 ppm	5,000 ppm

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

PLAINS ALL AMERICAN

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Informational Only

☒ Initial Report ☐ Final Report

Name of Company: EOTT	**Contact:** Frank Hernandez
Address: PO Box 1660 5805 Midland, Texas 79702	**Telephone No.:** 915.638.3799
Facility Name: Livingston Ridge to Hugh Bob McCasland	**Facility Type:** 4" Steel Pipeline

Surface Owner: Bob McCasland	**Mineral Owner:**	**Lease No.:**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	
N	3	T21S	R37E					**County:** Lea **Lat.** 32° 30' 17.9"N **Lon.** 103° 9' 4.60"W

NATURE OF RELEASE

Type of Release: Crude Oil	**Volume of Release:** 4 barrels	**Volume Recovered:** 0 barrels
Source of Release: 4" Steel Pipeline	**Date and Hour of Occurrence:** 7-31-01 @ 11:30 am	**Date and Hour of Discovery:** 7-13-01@2:30PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** Bill Olson	
By Whom? Pat McCasland, EPI	**Date and Hour:** Not required	
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.*: 4" Steel Pipeline Site will be delineated to determine the vertical and horizontal extents of contamination. Contaminated soil will be blended on site or disposed of.

Describe Area Affected and Cleanup Action Taken.*: 1,600 sqft 200' x 8' Site will be delineated to determine the vertical and horizontal extents of contamination. Contaminated soil will be blended on site or disposed of. 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 ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	**OIL CONSERVATION DIVISION**	
Printed Name: Frank Hernandez	**Approved by District Supervisor:**	
Title: District Environmental Supervisor	**Approval Date:**	**Expiration Date:**
Date: **Phone:** 915.638.3799	**Conditions of Approval:**	**Attached** ☐

* Attach Additional Sheets If Necessary

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

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

April 8, 2005

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

Re: Annual Monitoring Report - Plains All American Pipeline, L.P.
Livingston Line - Bob McCasland (Ref. #2001-11043)
UL-K, Section 3, T21 S, R37E, Lea County, New Mexico

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division has received and reviewed the above report. This report is hereby approved with the following understandings and conditions. Please refer to Part VIII (Recommendations) of the report:

1. Item #1: The proposal to reduce the monitoring and PSH recovery frequency of the groundwater monitoring well net work from semi-monthly to monthly is approved as long as the PSH levels remain as they are stated in the report.
2. Item #2: The groundwater monitoring well network may be sampled for BTEX on a quarterly basis and for Polycyclic Aromatic Hydrocarbons on an annual basis as shown in Table 5 of the report.

This approval does not relieve Plains All American Pipeline, L.P. (Plains) should its activities at this site prove to have been harmful to the environment of public health. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other federal, state, county, or local governmental agency.

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

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin
Environmental Bureau

cc: NMOCD, Hobbs

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

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

October 14, 2004

Mr. Jeffrey P. Dann
Plains All American L.P.
P.O. Box 4648
Houston, TX 77210-4648

1R-395

Dear Mr. Dann:

The New Mexico Oil Conservation Division (NMOCD) has received your letter, dated September 20, 2004, identifying the need for additional groundwater monitor and/or recovery wells at various sites. This request is hereby approved.

This approval does not relieve Plains Marketing, L.P. of any future liability at these sites should it prove that Plains' operations have caused harm to public health or the environment. Nor does it relieve Plains of its obligation to comply with the rules and regulations of any other governmental agency.

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

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin
Environmental Bureau

Cc: Larry Johnson, NMOCD, Hobbs
Camille Reynolds, Plains, Midland

PLAINS MARKETING, L.P.

September 20, 2004

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

Re: Plains Marketing, L.P. (formerly Link Energy) Remediation Sites
Various Locations in Lea County

Dear Mr. Martin:

Based on the results of our ongoing groundwater monitoring and sampling program at several of our remediation and groundwater monitoring sites in Lea County, we have identified the need for additional groundwater monitor and/or recovery wells at the flowing sites.

Site Name	Plains EMS No.	Site Location	Number of Wells
Jct 34 to Lea	2002-10286	Section 21, T20S, R37E	3
Livingston Line-Bob McCasland	2001-11043	Section 3, T21S, R37E	2
Hugh Gathering	2002-10235	Section 11, T21S, R37E	1
C. S. Cayler	2002-10250	Section 6, T17S, R37E	5
Lovington Deep 6-Inch	2002-1-312	Section 6, T21S, R36E	6
Kimbrough Sweet	2000-10757	Section 3, T18S, R37E	2
8" Moore to Jal #1	2002-10270	Section 16, T17S, R37E	3
8" Moore to Jal #2	2002-10273	Section 16, T17S, R37E	3
Darr Angell #1	Darr Angell #1	Section 11, T15S, R37E	1
Darr Angell #4	2001-10876	Section 2/11, T15S, R37E	2
Red Byrd #1	Red Byrd #1	Section 1, T19S, R36E	5
HDO 90-23	HDO 90-23	Section 6, T20S, R37E	2
Monument 6" Pipeline	2001-11056	Section 5, T20S, R37E	3
Texaco Skelly F	2002-11229	Section 21, T20S, R37E	1
SPS-11	SPS-11	Section 18, T18S, R36E	2
Monument #11	TNM Mon #11	Section 30, T19S, R37E	2
Monument #2	TNM Mon #2	Section 6, T20S, R37E	1
Monument #17	TNM Mon #17	Section 29, T19S, R37E	1
Monument #18	TNM Mon #18	Section 7, T20S, R37E	2
98-05A	TNM 98-05A	Section 26, T21S, R37E	1
LF-59	LF-59	Section 32, T19S, R37E	2

The proposed well locations are illustrated on the attached site maps. Plains requests your approval of the proposed monitor well locations at the above-referenced sites. We anticipate commencement of drilling activities the week of October 4, 2004.

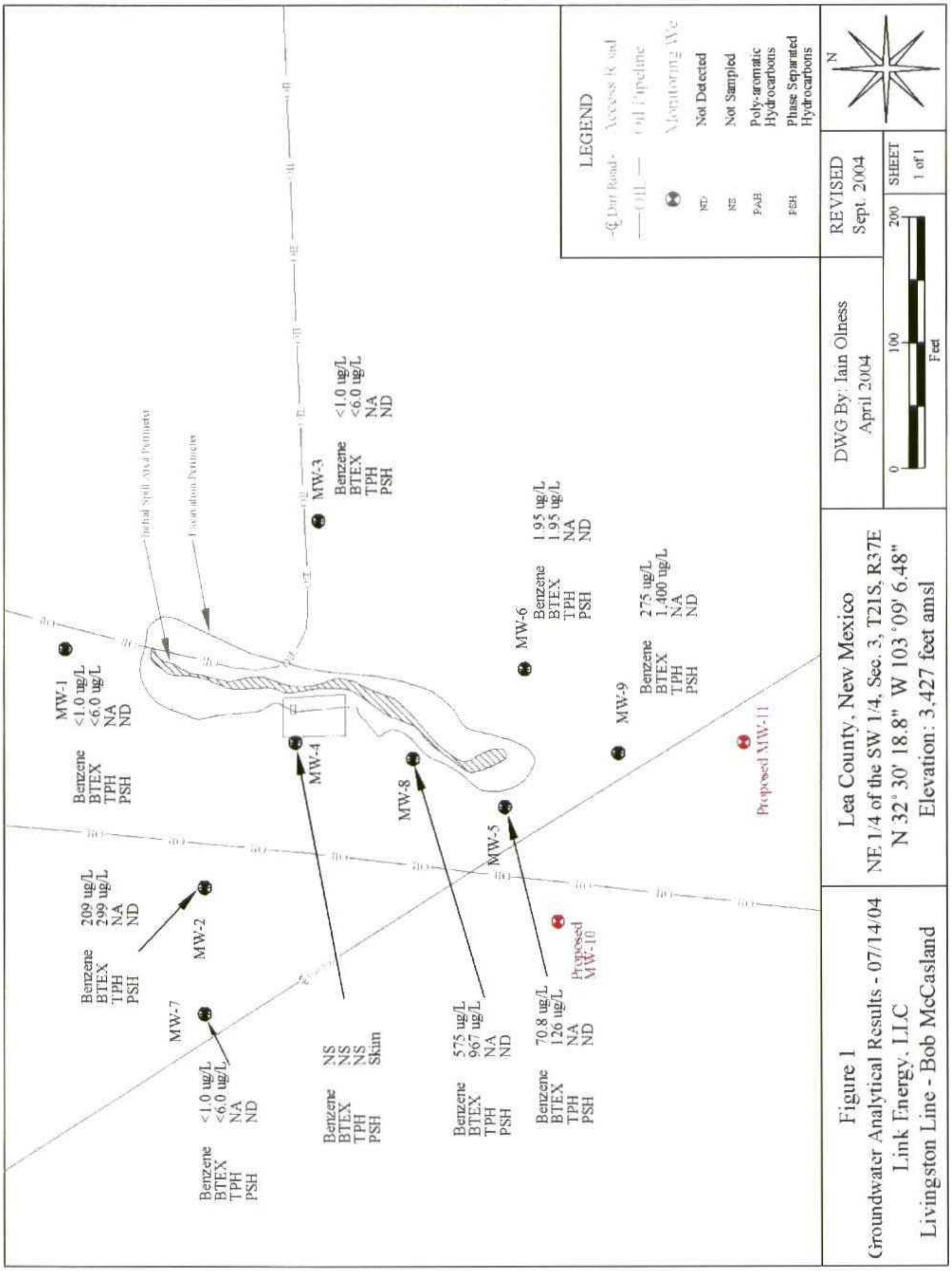
Should you have any questions or comments concerning this information, please contact me at (713) 646-4657.

Sincerely,

Jeffrey P. Dann, P.G.
Sr. Environmental Specialist
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM
Camille Reynolds, Plains
Todd Choban, Nova
Pat McCasland, EPI

File: c/jeff-files/OCD-DrillingSchOct2004


LEGEND
Access Road
Oil Pipeline
Monitoring Well
ND Not Detected
NS Not Sampled
PAH Poly-aromatic Hydrocarbons
PSH Phase Separated Hydrocarbons
N
Initial Spill Area Perimeter
Excavation Perimeter
MW-1
Benzene <1.0 ug/L
BTEX <6.0 ug/L
TPH NA
PSH ND
MW-2
Benzene 209 ug/L
BTEX 299 ug/L
TPH NA
PSH ND
MW-3
Benzene <1.0 ug/L
BTEX <6.0 ug/L
TPH NA
PSH ND
MW-4
Benzene NS
BTEX NS
TPH NS
PSH Skim
MW-5
Benzene 70.8 ug/L
BTEX 126 ug/L
TPH NA
PSH ND
MW-6
Benzene 1.95 ug/L
BTEX 1.95 ug/L
TPH NA
PSH ND
MW-7
Benzene <1.0 ug/L
BTEX <6.0 ug/L
TPH NA
PSH ND
MW-8
Benzene 575 ug/L
BTEX 967 ug/L
TPH NA
PSH ND
MW-9
Benzene 275 ug/L
BTEX 1,400 ug/L
TPH NA
PSH ND
Proposed MW-10
Proposed MW-11
Figure 1
Groundwater Analytical Results - 07/14/04
Link Energy, LLC
Livingston Line - Bob McCasland
Lea County, New Mexico
NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E
N 32° 30' 18.8" W 103° 09' 6.48"
Elevation: 3,427 feet amsl
DWG By: Iain Olness
April 2004
0
100
200
Feet
REVISED
Sept. 2004
SHEET
1 of 1

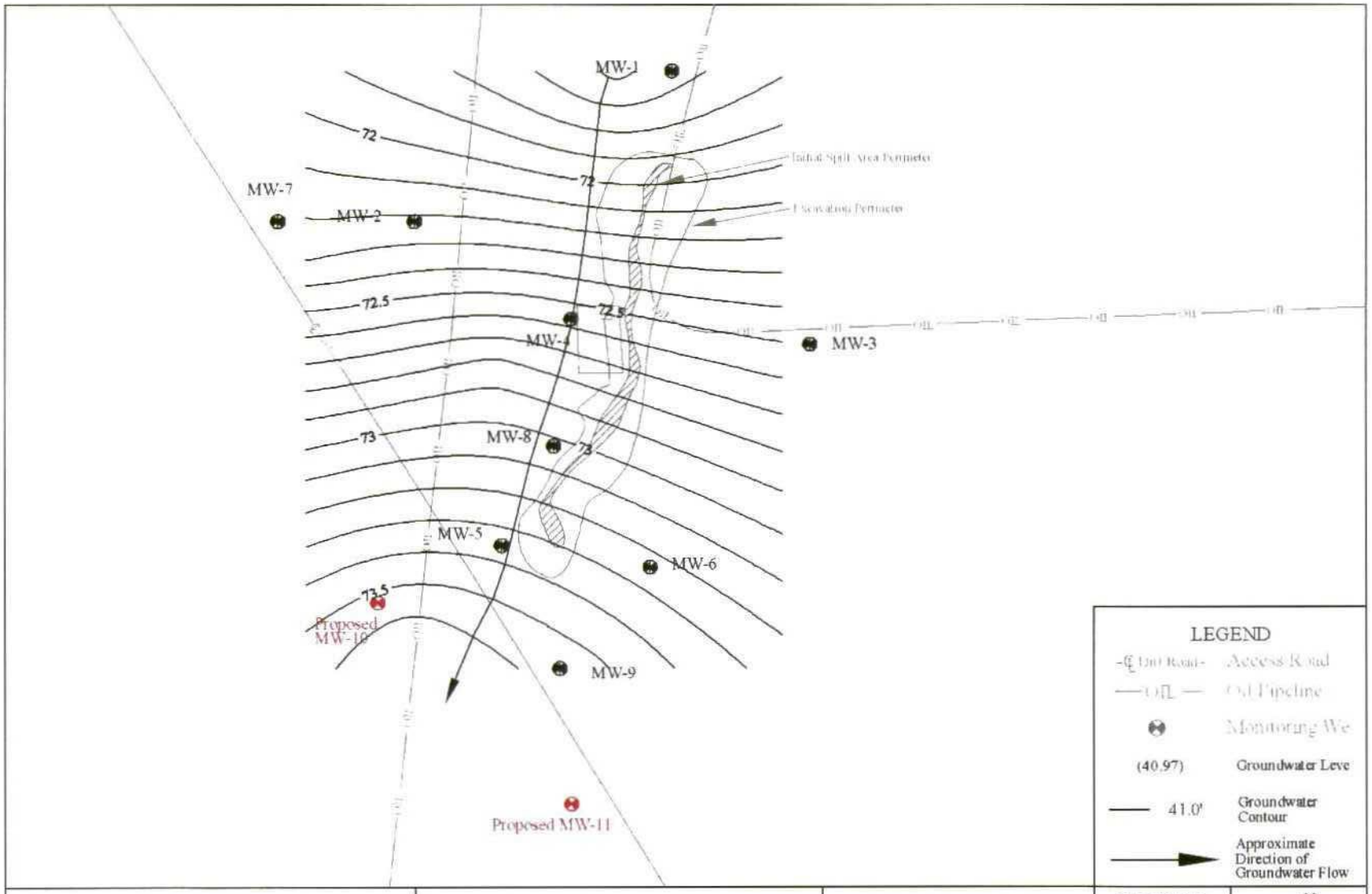


Figure 2 Groundwater Contour Map - 07/14/04 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED Sept. 2004	SHEET 1 of 1

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

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

June 22, 2004

Mr. Jimmy Bryant
Link Energy
P.O. Box 1660
Midland, TX 79703

Dear Mr. Bryant:

The New Mexico Oil Conservation Division has received the following:

1. Annual Monitoring Report for the Link Energy Livingston Line – Bob McCasland site, Link reference 2001-11043, OCD reference 1R-0395, dated April 12, 2004.
2. Proposed Link Energy monitor well installations in Lea County, NM, dated May 10, 2004.

Recommendations included in item #1 above are hereby approved. These are:

1. Continue delineation activities at the Livingston Line – Bob McCasland site. These activities will include the installation of two additional groundwater-monitoring wells. The locations of these additional wells, as shown in item #2 above, are approved.
2. Monitor the groundwater-monitoring well network on a bi-monthly basis for the purpose of PSH recovery.
3. Sample the groundwater-monitoring well network on a quarterly basis for the purpose of quantification of BTEX.
4. Analyze the samples acquired for the presence of PAH's (poly-cyclic aromatic hydrocarbons) during the next sampling event. If analytical results indicate the presence of PAH's, continue to analyze the samples for this constituent on the same quarterly basis.

If you have any questions, please contact me.

NEW MEXICO OIL CONSERVATION DIVISION

Ed Martin

Edwin E. Martin, Environmental Bureau, Santa Fe

cc: Larry W. Johnson, NMOCD, Hobbs
Jeff Dann, Link Energy, Houston
Iain Olness, EPI
Pat McCasland, EPI

File

ENVIRONMENTAL PLUS, INC. Micro-Blaze Micro-Blaze Out™
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

May 10, 2004

RECEIVED
MAY 13 2004
OIL CONSERVATION DIVISION

Mr. Ed Martin
NM Energy, Minerals, and Natural Resources Department
New Mexico Oil Conservation Division – Environmental Bureau
1220 South St. Francis Drive
Santa Fe, NM 87505

Subject: Proposed Link Energy monitor well installations in Lea County, New Mexico

Re: C.S. Cayler #2002-10250, UL-B Section 6 T17S R37E
Hugh Gathering #2002-10235, UL-P Section 11 T21S R37E
Hobbs Junction Mainline #2003-00017, UL-M Sections 26 and 35 T18S R37E
Junction 34 to Lea #2002-10286, UL-L Section 21 T20S R37E
Kimbrough Sweet #2002-10757, UL-E Section 3 T18S R37E
~~Livingston Line Bob McGasland #2001-11-043, UL-K, Section 3, T-21S-R37E~~

Dear Mr. Martin,

Environmental Plus, Inc. (EPI), on behalf of Mr. Jimmy Bryant, Link Energy, submits for your consensus, the attached maps illustrating the proposed monitor well installation locations at the above referenced sites. Installation of these wells will provide further delineation information regarding the extents of phase separated and dissolved phase hydrocarbon, as well as, additional soil delineation information. It is anticipated that the work will begin the week of May 17, 2004.

If there are any questions or comments please call Mr. Ben Miller or myself at office, or at 505-390-2088 or 505-390-7864, respectively. Mr. Bryant may be contacted at 432-684-3479.

All official correspondence should be addressed to:

Mr. Jimmy Bryant
Link Energy
P.O. Box 1660
5805 East Highway 80
Midland, Texas 79703

Sincerely,

Pat McCasland
EPI Technical Manager

cc: Larry W. Johnson, NMOCD – Hobbs District Office
Jimmy Bryant, Link Energy (Midland)
Jeff Dann, Link Energy (Houston)
Sherry Miller, EPI President
Ben Miller, EPI Vice President and General Manager

P.O. BOX 1558 ••• 2100 AVENUE O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 ••• FAX 505•394•2601

ENVIRONMENTAL PLUS, INC.

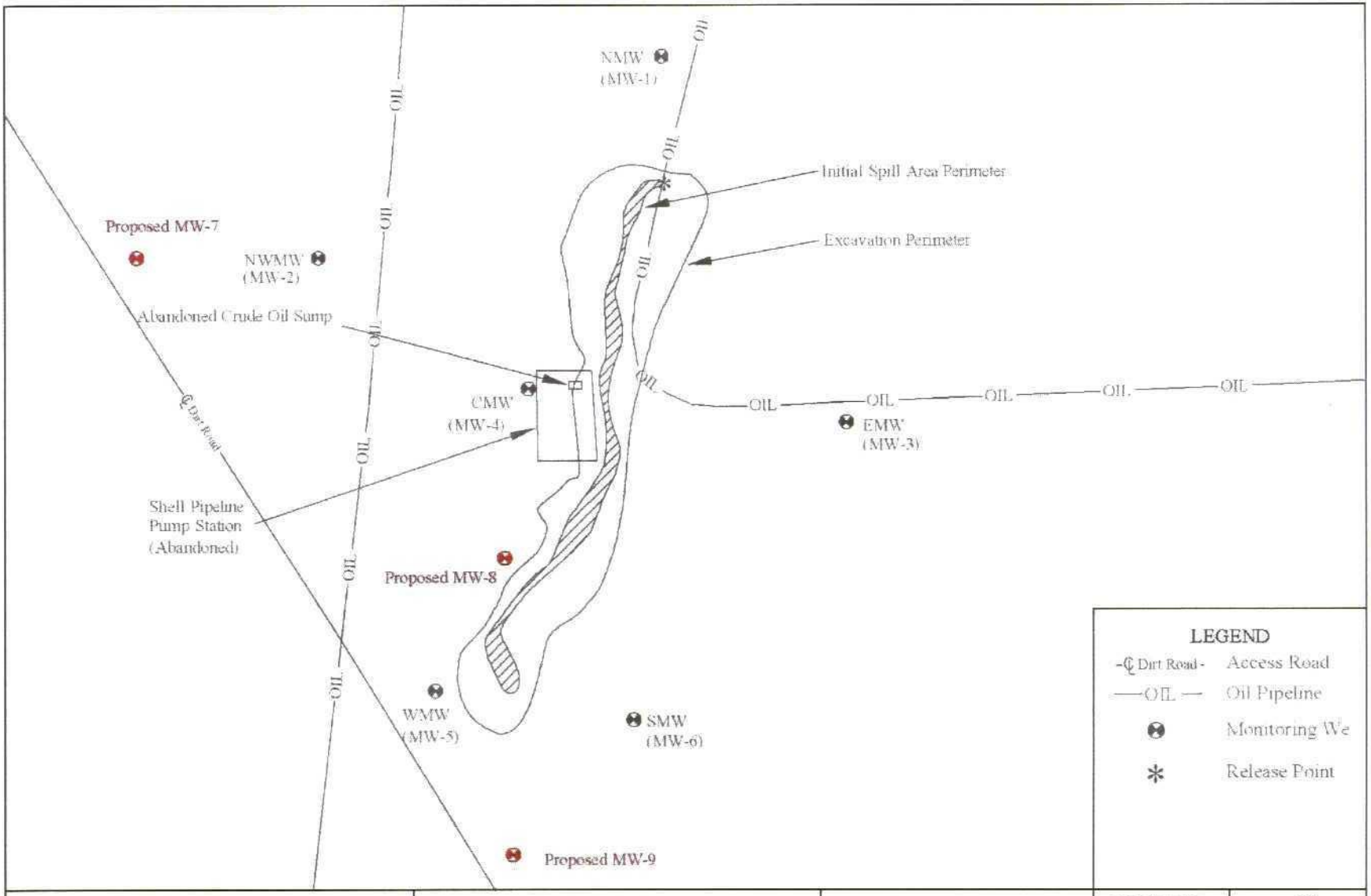


Figure 1 Proposed Monitoring Well Locations Map Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED:	N
		0 75 150 Feet	SHEET 1 of 1	

ENVIRONMENTAL PLUS, INC. Micro-Blaze Micro-Blaze Out™
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

14 April 2004

Mr. Ed Martin
NM Energy, Minerals, and Natural Resources Department
New Mexico Oil Conservation Division – Environmental Bureau
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Annual Monitoring Report Link Energy Livingston Line Bob McCasland #2001-11043
UL-L Section 3 T21S R37E, Lea County, New Mexico
Landowner: Bob McCasland

Dear Mr. Martin,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, Link Energy, submits for your consideration this *Annual Monitoring Report* for the above-referenced site. Based on data collected during the past year, Link Energy recommends continued bi-monthly monitoring of the monitoring well network for PSH recovery and collection of groundwater level data. In addition, Link Energy is recommending the installation of two additional groundwater monitoring wells and the continued quarterly sampling of the monitoring well network.

Should you have any questions or comments please call Mr. Ben Miller or myself at EPI's offices, or at 505-390-2088 or 505-390-7306 respectively. Mr. Hernandez may be contacted through Link's Midland office at 915-638-3799 or 505-631-3095.

All official correspondence should be addressed to:

Mr. Frank Hernandez
Link Energy
P.O. Box 1660
5805 East Highway 80
Midland, Texas 79703

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain Olness

Iain Olness, P.G.
Hydrogeologist

cc: Larry W. Johnson, NMOCD – Hobbs District Office
Frank Hernandez, Link Energy – Midland
Jeff Dann, Link Energy – Houston
Sherry Miller, EPI President
Ben Miller, EPI Vice President and General Manager

ENVIRONMENTAL PLUS, INC.

P.O. BOX 1558 ••• 2100 AVENUE O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 ••• FAX 505•394•2601

LinkEnergy

ANNUAL MONITORING REPORT

LIVINGSTON LINE – BOB MCCASLAND

LINK REF: 2001-11043 1R395

NE¼ OF THE SW¼ OF SECTION 3, TOWNSHIP 21 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

~5 MILES NORTH-NORTHEAST (356°) OF
EUNICE, LEA COUNTY, NEW MEXICO
LATITUDE: N32° 30' 18.78" LONGITUDE: W103° 09' 6.48"

APRIL 12, 2004

PREPARED BY:

Environmental Plus, Inc.
2100 Avenue O
P.O. Box 1558
Eunice, NM 88231
Phone: (505)394-3481
FAX: (505)394-2601

TABLE OF CONTENTS

FIGURES

FIGURES (continued)

TABLES

APPENDIX

I. Background

The "Livingston Line – Bob McCasland" (2001-11043) release site is located approximately 5 miles north-northeast of Eunice in Lea County, New Mexico, at an elevation of approximately 3,427 feet above mean sea level (reference Figures 1 and 2). The site is located in the northeast quarter of the southwest quarter of section 3, range 27 east, township 21 south within the Monument Draw drainage feature. There are no residences or surface water bodies within a 1,000-foot radius of the leak site. There are an abandoned Shell Pipeline pump station and crude oil sump located in the vicinity of the release (reference Figure 3).

On July 13, 2001, approximately 4 barrels of crude oil were released from the aforementioned line. The release is believed to have been due to have been due to internal corrosion of the Livingston Ridge to Hugh 4-inch gathering line. The release covered approximately 1,600 square feet of pipeline right-of-way and caliche road.

During initial investigative activities conducted from August 16-22, 2001, which included the advancement of seventeen soil borings, it was determined that groundwater was situated approximately 30 feet below ground surface (bgs) and that groundwater had been impacted. Due to the fact that groundwater impacts were discovered, three groundwater monitoring wells were installed around the release are to delineate the extents and magnitude of the release. Samples collected from the groundwater monitoring well network indicated that groundwater was impacted above the New Mexico Oil Conservation Division (NMOCD) remedial thresholds, and as such, three additional groundwater monitoring wells were installed at the site. Continued monitoring of the network revealed the presence of phase separated hydrocarbons (PSH) in groundwater monitoring well CMW. Based upon investigative activities completed with respect to this release, it was determined that the groundwater impacts were likely due to historic releases associated with the abandoned pumping station located adjacent to the release site.

In December 2001, approximately 11,445 cubic yards of hydrocarbon-impacted soil were excavated and stockpiled on-site. Berms were constructed around the stockpiles to prevent runoff. Analytical results for soil samples collected from the excavation indicated the presence of contaminants remaining above the NMOCD remedial thresholds.

Due to the presence of PSH in groundwater monitoring well CMW, monthly visits to the site were conducted to collect PSH. In addition, due to contaminant concentrations above NMOCD remedial thresholds in samples collected from groundwater monitoring wells NWMW and WMW, quarterly sampling events were conducted of the groundwater monitoring well network.

II. Field Activities

The groundwater monitoring well network was sampled on January 24, April 17, and July 10, 2002, and April 15 and July 14, 2003. The samples collected on January 24, 2002 were submitted to an independent laboratory for the quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX), total dissolved solids (TDS) and chloride. The samples collected during the remaining four sampling events were submitted to an independent laboratory for quantification of BTEX.

In addition to the sampling events, site visits were made on November 18 and December13, 2002, March 24, May 2, June 16, July 31, September 22, October 23 and November 5, 2003. These site visits entailed obtaining PSH and water levels from groundwater monitoring well CMW and recovering PSH from said well.

III. Groundwater Gradient and PSH Thickness

Monitoring wells were gauged prior to bailing to determine the depth to groundwater and the thickness of any PSH. Measurements of groundwater levels during the past two years indicate that water levels have generally decreased over the past two years by an average of 0.45 feet. The only exception is groundwater monitoring well EMW, which indicates groundwater levels have risen 1.53 feet. PSH levels in the impacted monitoring well (CMW) have fluctuated during the past two years, with thicknesses ranging from 0.02 to 2.55 feet and average PSH thickness of 0.64 feet. A summary of groundwater elevations and PSH thickness is included in Table 1.

Based on data collected during the past year, groundwater is flowing to the southeast (reference Figures 15 and 17). The depth to groundwater data collected during the July 10, 2002 sampling event is not consistent with subsequent data and appears to be erroneous and should not be utilized to determine the direction of groundwater flow (reference Figure 13).

IV. PSH Recovery

Recovery of PSH was accomplished via pumping during the monthly visits. Approximately 50 gallons of PSH have been recovered to date.

V. Groundwater Sampling

The groundwater monitoring well network was sampled on January 24, 2002 and the samples submitted for quantification of BTEX using EPA Method 8260b, chloride using EPA Method 160.1 and TDS using EPA Method 325.2 & 9251. The groundwater monitoring well network was also sampled on April 17 and July 10, 2002, and April 15 and July 14, 2003. The samples from these sampling events were submitted to an independent laboratory for quantification of BTEX using EPA Method 8260b. Groundwater monitoring well CMW was only sampled during the April 17, 2002 sampling event due to the presence of phase separated hydrocarbons (PSH) during previous and subsequent monitoring and sampling events. The wells were purged a minimum of three well volumes or dry and samples collected utilizing dedicated or disposable sample bailers. Samples were then placed on ice and shipped to an independent laboratory under chain-of-custody for analyses.

VI. Groundwater Analytical Results

Analytical results for the samples collected on from groundwater monitoring well NMW indicated benzene concentrations ranging from below the laboratory method detection limit (MDL) to 1.88 µg/L and total BTEX concentrations ranging from below the laboratory analytical MDL for BTEX to 4.79 µg/L. These concentrations are below the NMOCD limits for all

analytes. Analytical results for TDS and chloride, in the sample collected on January 24, 2002, indicated concentrations of 1,830 milligrams per liter (mg/L) and 617 mg/L, respectively. Concentrations for both of these analytes were above the NMOCD limits of 1,000 mg/L for TDS and 250 mg/L for chloride.

Analytical results for the samples collected from groundwater monitoring well NWMW indicated benzene concentrations ranging from 67 µg/L to 368 µg/L, and total BTEX concentrations ranging from 106.17 µg/L to 499.2 µg/L. Benzene is the only analyte reported above the NMOCD limits. Analytical results for TDS and chloride indicated concentrations of 2,000 mg/L and 712 mg/L, respectively. Concentrations for both of these analytes were above the NMOCD limits of 1,000 mg/L for TDS and 250 mg/L for chloride.

Analytical results for the samples collected from groundwater monitoring well EMW were below the laboratory MDL for benzene and total BTEX for all sampling events. Analytical results for TDS and chloride indicated concentrations of 2,290 mg/L and 1,060 mg/L, respectively. Concentrations for both of these analytes were above the NMOCD limits of 1,000 mg/L for TDS and 250 mg/L for chloride.

Analytical results for the samples collected from groundwater monitoring well SMW ranging from below the laboratory MDL to 2.74 µg/L and total BTEX concentrations ranging from below the laboratory analytical MDL for BTEX to 2.74 µg/L. These concentrations are below the NMOCD limits for all analytes. Analytical results for TDS and chloride indicated concentrations of 2,760 mg/L and 745 mg/L, respectively. Concentrations for both of these analytes were above the NMOCD limits of 1,000 mg/L for TDS and 250 mg/L for chloride.

Analytical results for the samples collected from groundwater monitoring well WMW indicated benzene concentrations ranging from 81.4 µg/L to 303 µg/L, and total BTEX concentrations ranging from 117.21 µg/L to 462.84 µg/L. Benzene is the only analyte reported above the NMOCD limits. Analytical results for TDS and chloride indicated concentrations of 2,080 mg/L and 635 mg/L, respectively. Concentrations for both of these analytes were above the NMOCD limits of 1,000 mg/L for TDS and 250 mg/L for chloride.

Groundwater monitoring well CMW was only sampled during the April 17, 2002 sampling event. Analytical results for this sample indicated benzene concentrations of 480 µg/L and total BTEX concentrations of 1,590 µg/L. Benzene is the only analyte reported above the NMOCD limits.

A summary of groundwater analytical results is included as Table 2 and copies of the analytical results for samples collected on January 24, April 17 and July 10, 2002, April 15 and July 14, 2003 are included as Appendix A.

VII. Recommendations

Based on field monitoring and analytical results collected during the past year and analyzed in conjunction with data collected during the initial investigation, the following recommendations are made:

1) As the lateral extent of impacted groundwater has not been fully delineated, it is recommended that two additional groundwater monitoring wells be installed. One of these wells should be installed south of monitoring well SMW and one monitoring well should installed west-northwest of monitoring well NWMW.

2) Continue to monitor the groundwater monitoring well network on a bi-monthly basis and recover PSH from the impacted groundwater monitoring well(s).

3) Continue to sample the groundwater monitoring well network on a quarterly basis and the samples submitted for quantification of BTEX. In the event PSH are not detected during a sampling event in groundwater monitoring wells currently containing PSH, these wells will be included in the quarterly sampling event.

4) The samples should be analyzed for the presence of PAHs during the next sampling event. If analytical results indicate the presence of PAHs, the samples should continue to be analyzed for the presence of PAHs on an annual basis.

FIGURES

Figure 1 Area Map Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 4,000 8,000 Feet	REVISED: SHEET 1 of 1

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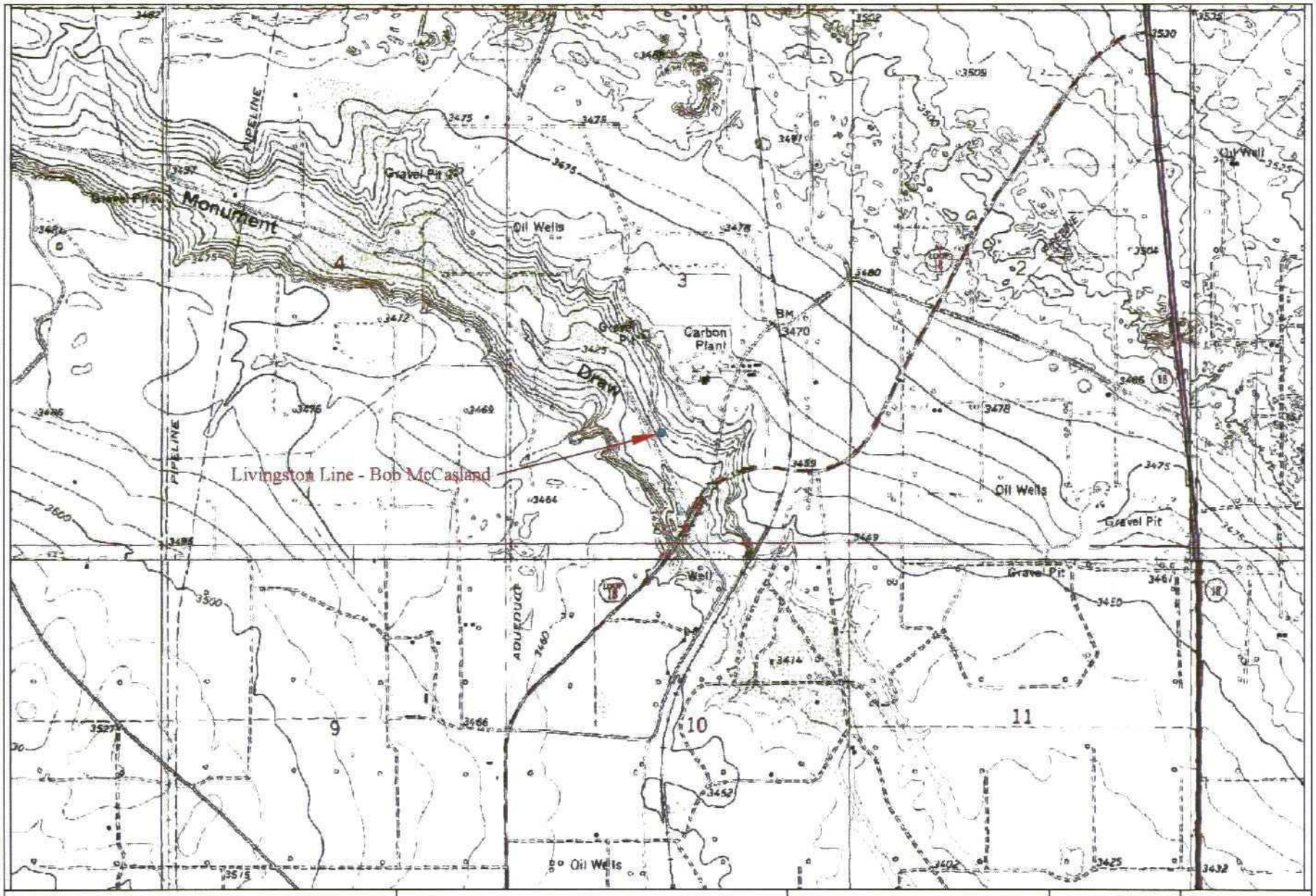

Figure 2 Site Location Map Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 2,000 4,000 Feet	REVISED: SHEET 1 of 1

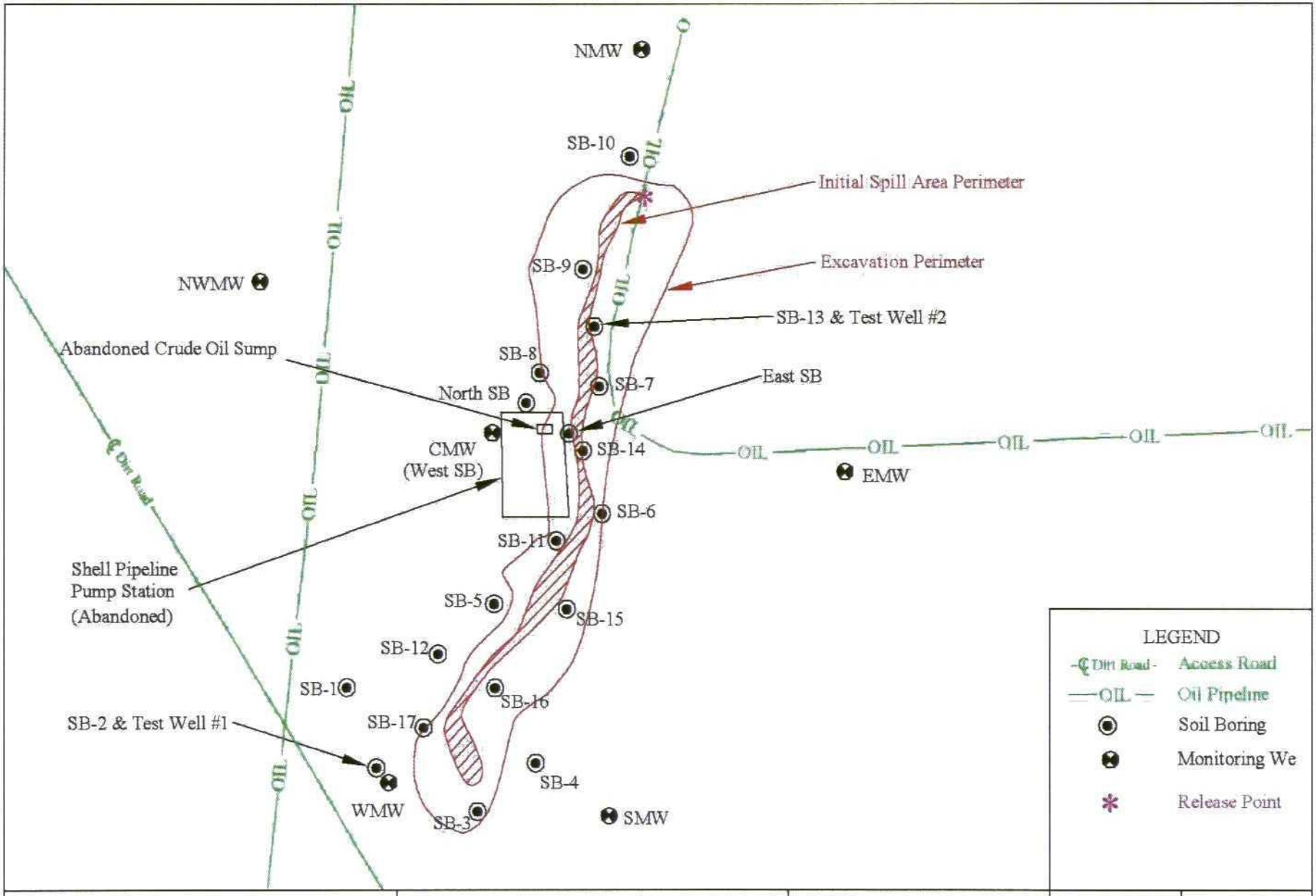

Figure 3 Site Map Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED:	SHEET 1 of 1

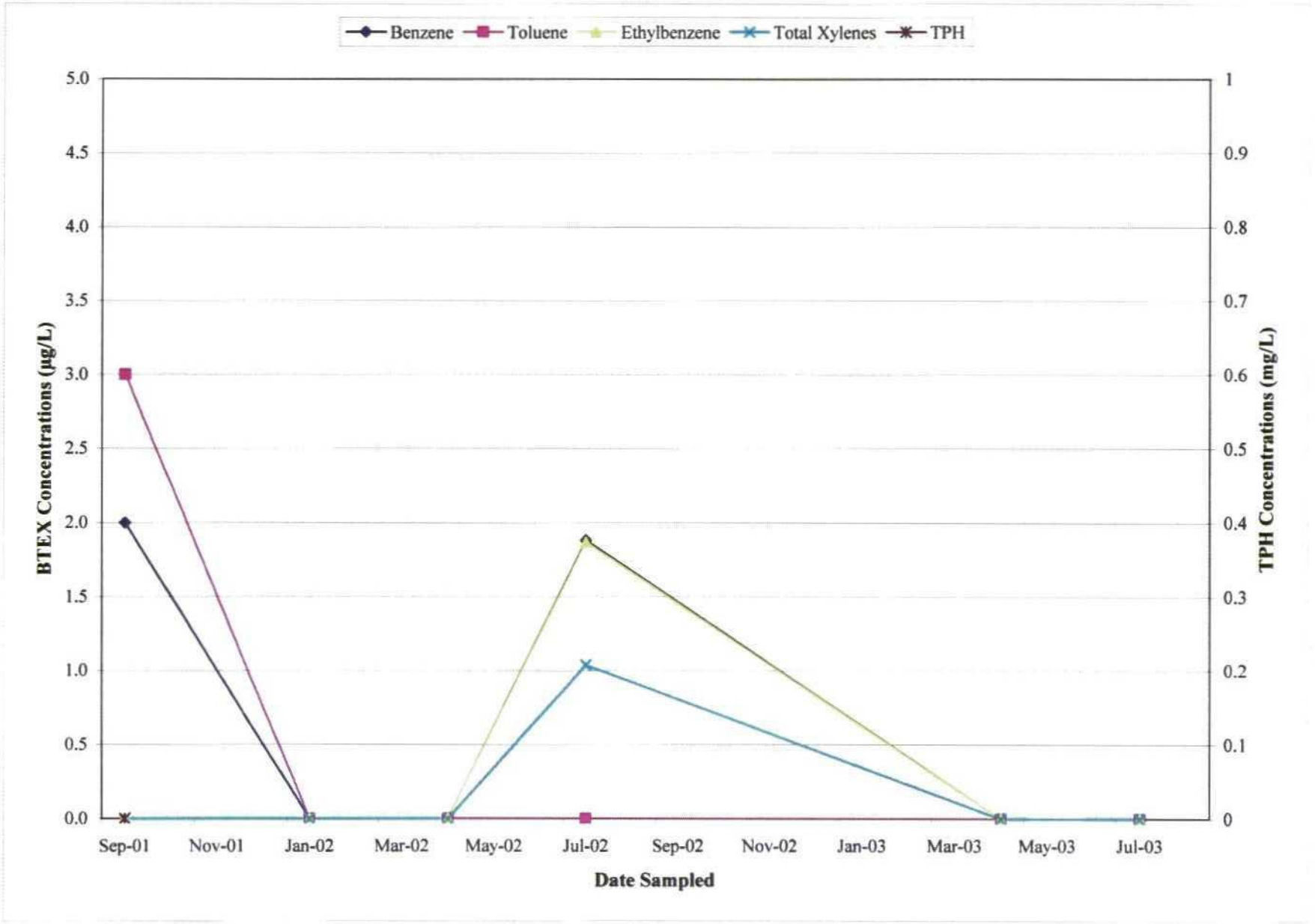

Figure 4: TPH and BTEX Concentrations in Groundwater Monitoring Well NMW from 09/13/01 through 07/14/03, Link Energy Livingston Line - Bob McCasland, Lea County, New Mexico.

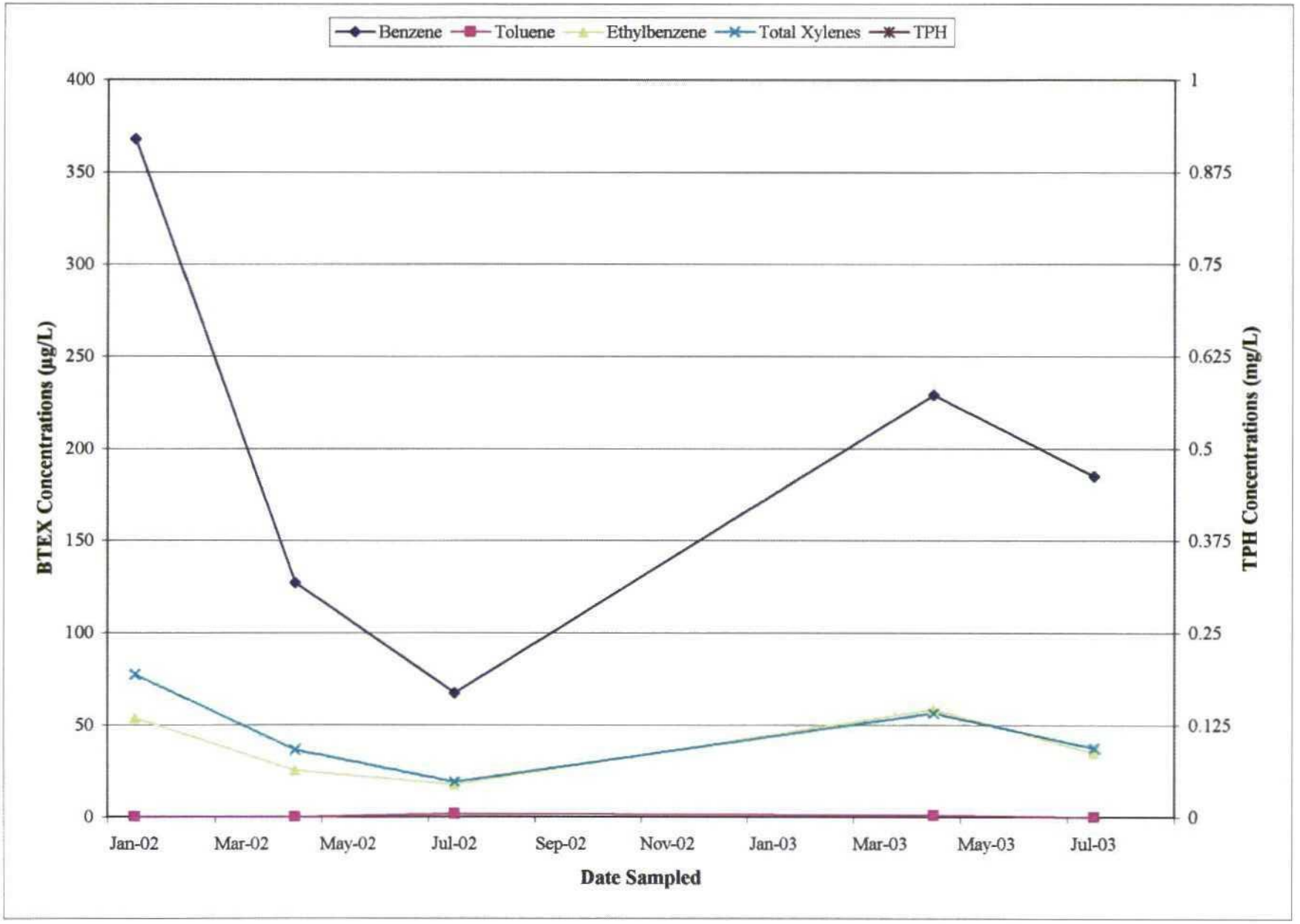

Figure 5: TPH and BTEX Concentrations in Groundwater Monitoring Well NWMW from 01/24/02 through 07/14/03, Link Energy Livingston Line - Bob McCasland, Lea County, New Mexico.

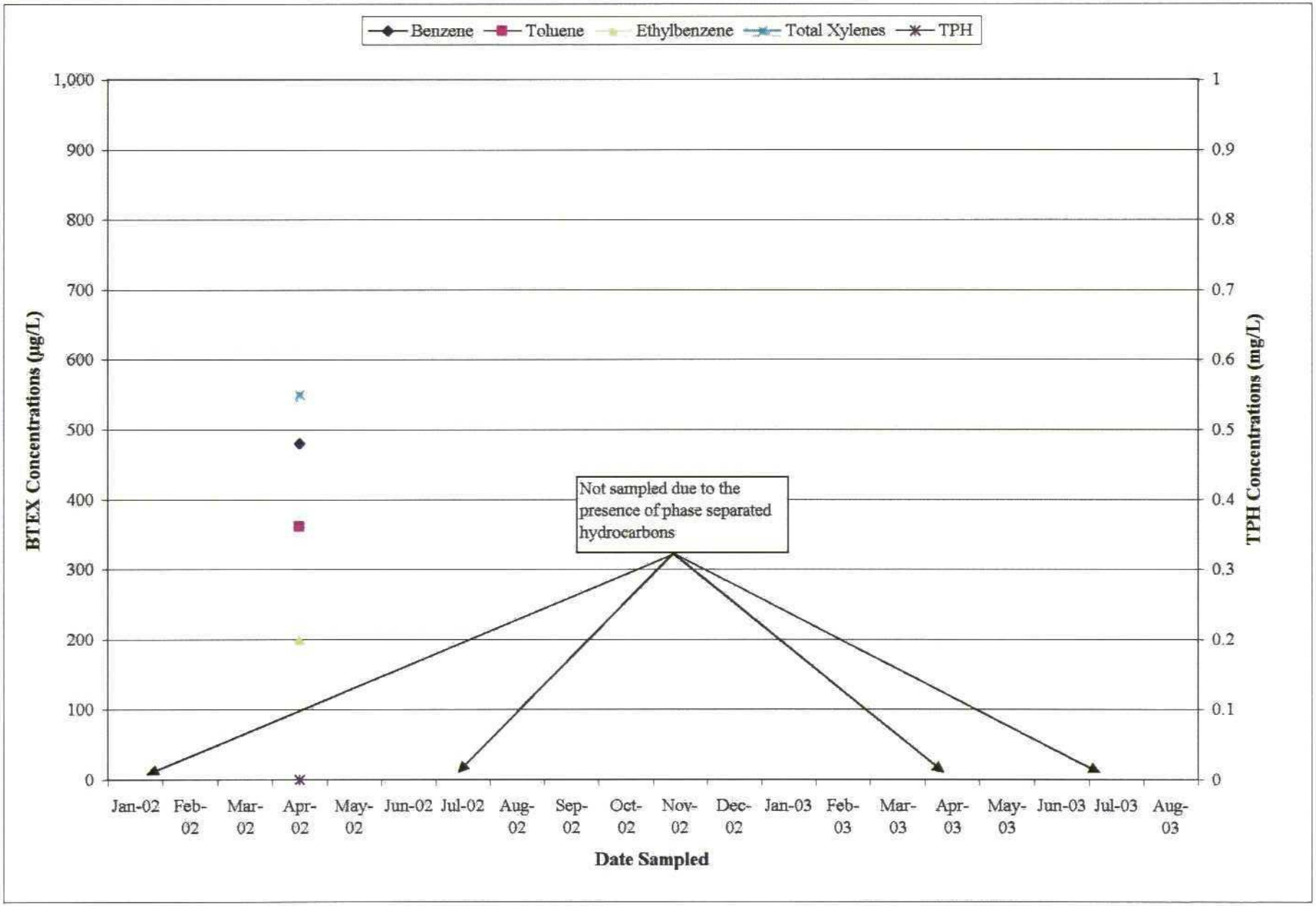

Figure 6: TPH and BTEX Concentrations in Groundwater Monitoring Well CMW from 01/24/02 through 07/14/03, Link Energy Livingston Line - Bob McCasland, Lea County, New Mexico.

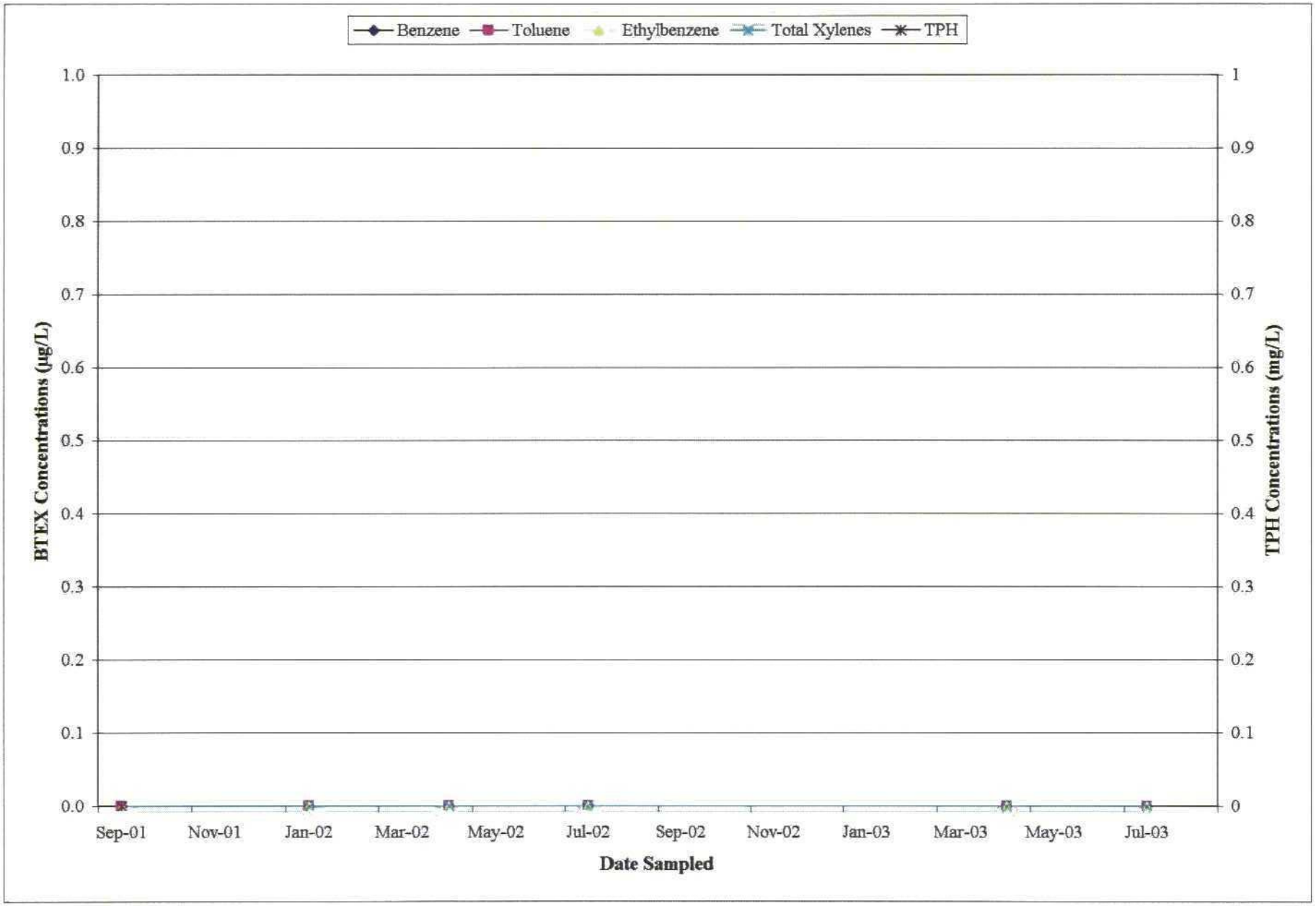

Figure 7: TPH and BTEX Concentrations in Groundwater Monitoring Well EMW from 09/13/01 through 07/14/03, Link Energy Livingston Line - Bob McCasland, Lea County, New Mexico.

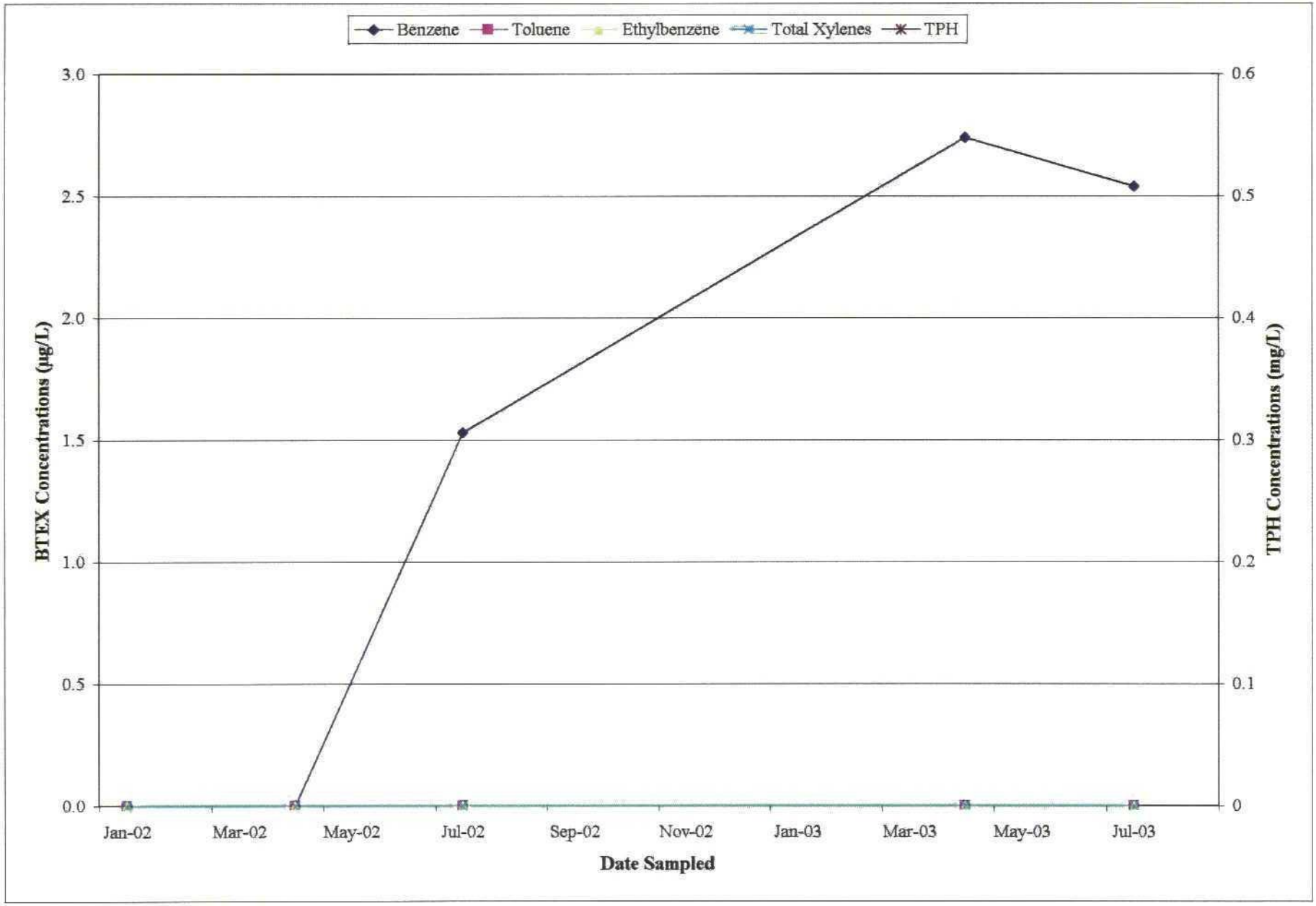

Figure 8: TPH and BTEX Concentrations in Groundwater Monitoring Well SMW from 01/24/02 through 07/14/03, Link Energy Livingston Line - Bob McCasland, Lea County, New Mexico.

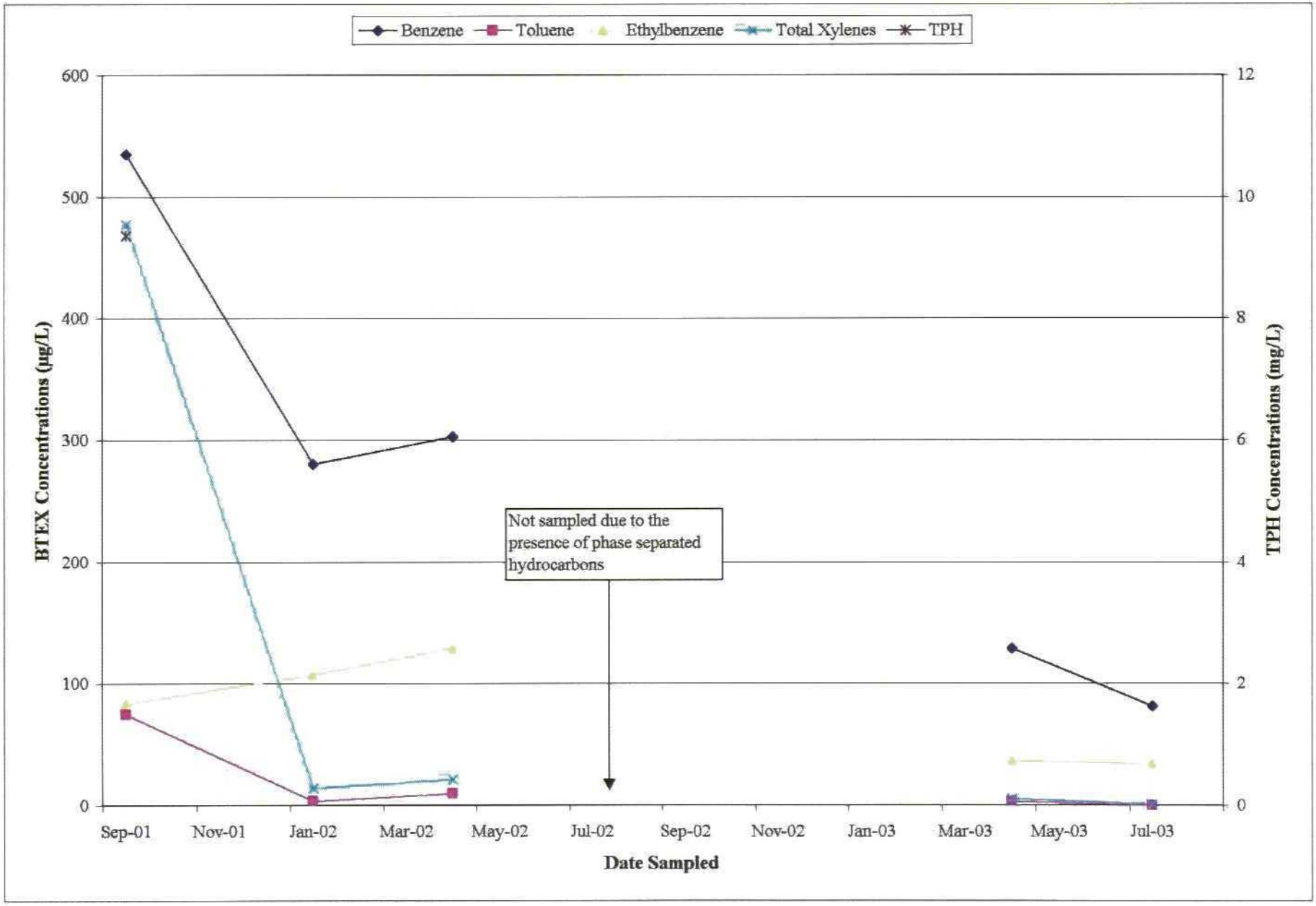

Figure 9: TPH and BTEX Concentrations in Groundwater Monitoring Well WMW from 09/13/01 through 07/14/03, Link Energy Livingston Line - Bob McCasland, Lea County, New Mexico.

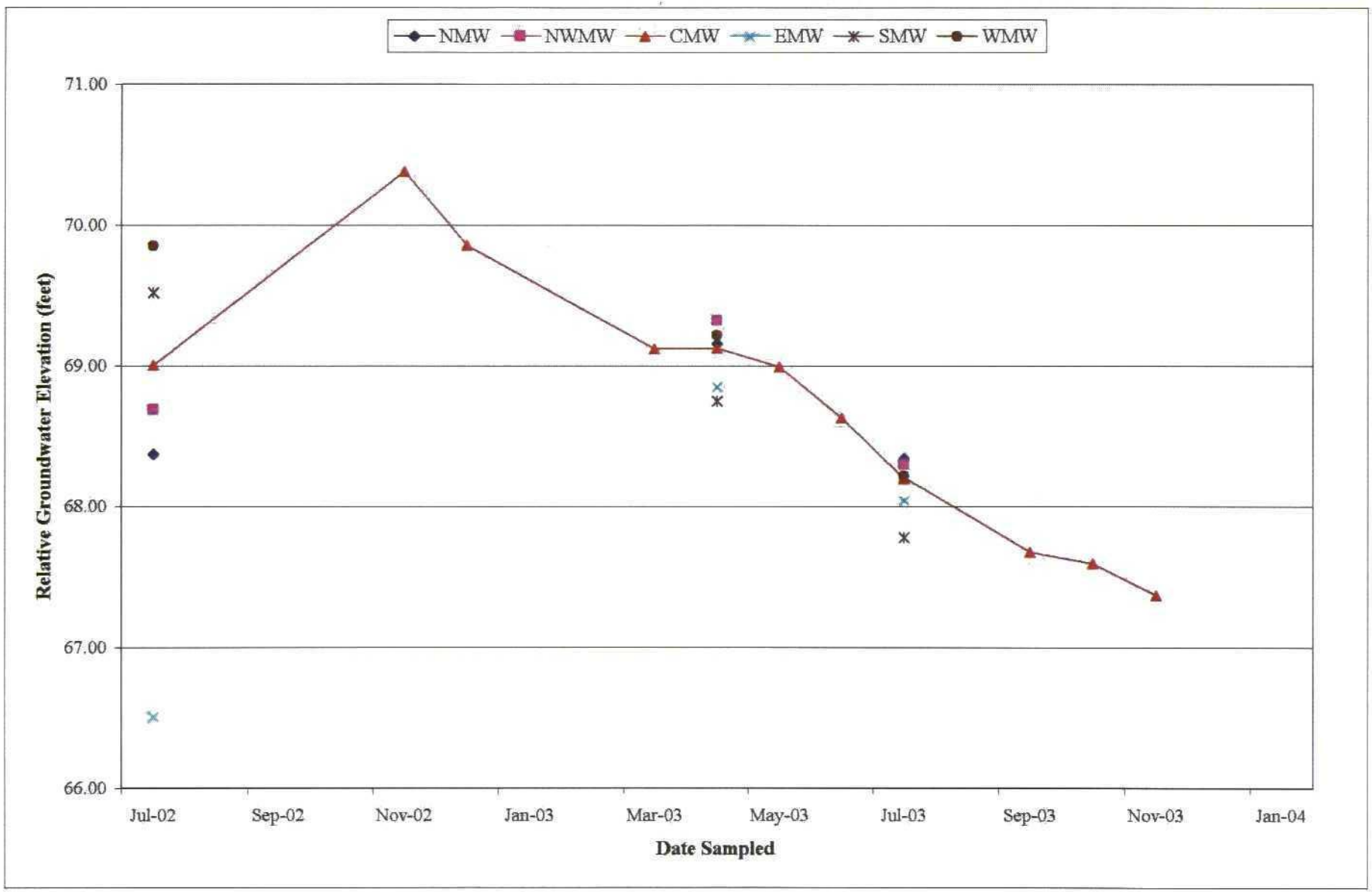

Figure 10: Hydrograph for Link Energy Livingston Line - Bob McCasland Monitoring Well Network, Lea County, New Mexcio from 07/10/02 through 11/5/03.

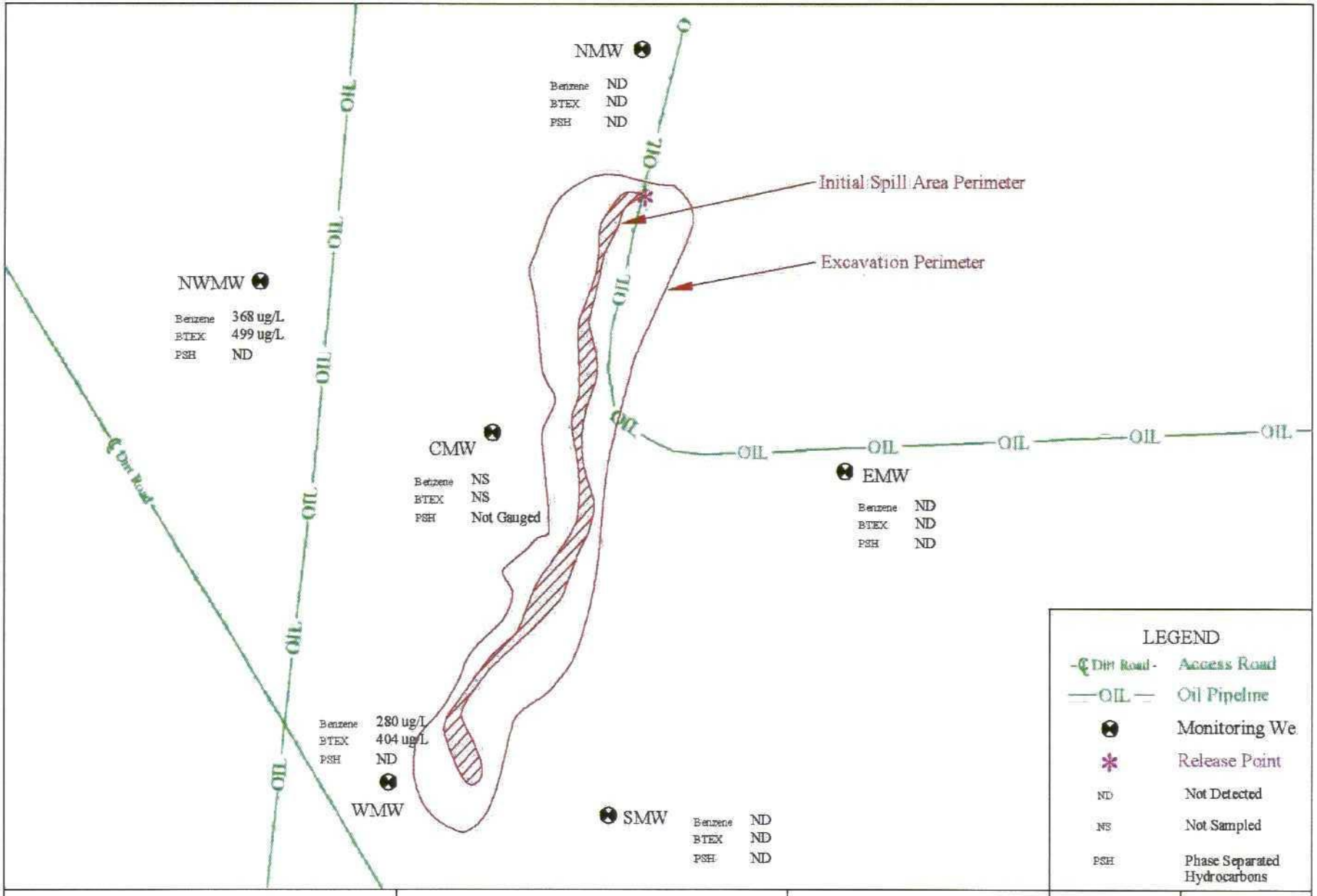

Figure 11 Contaminant Concentration Map - 01/24/02 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 65 130 Feet	REVISED: SHEET 1 of 1	N

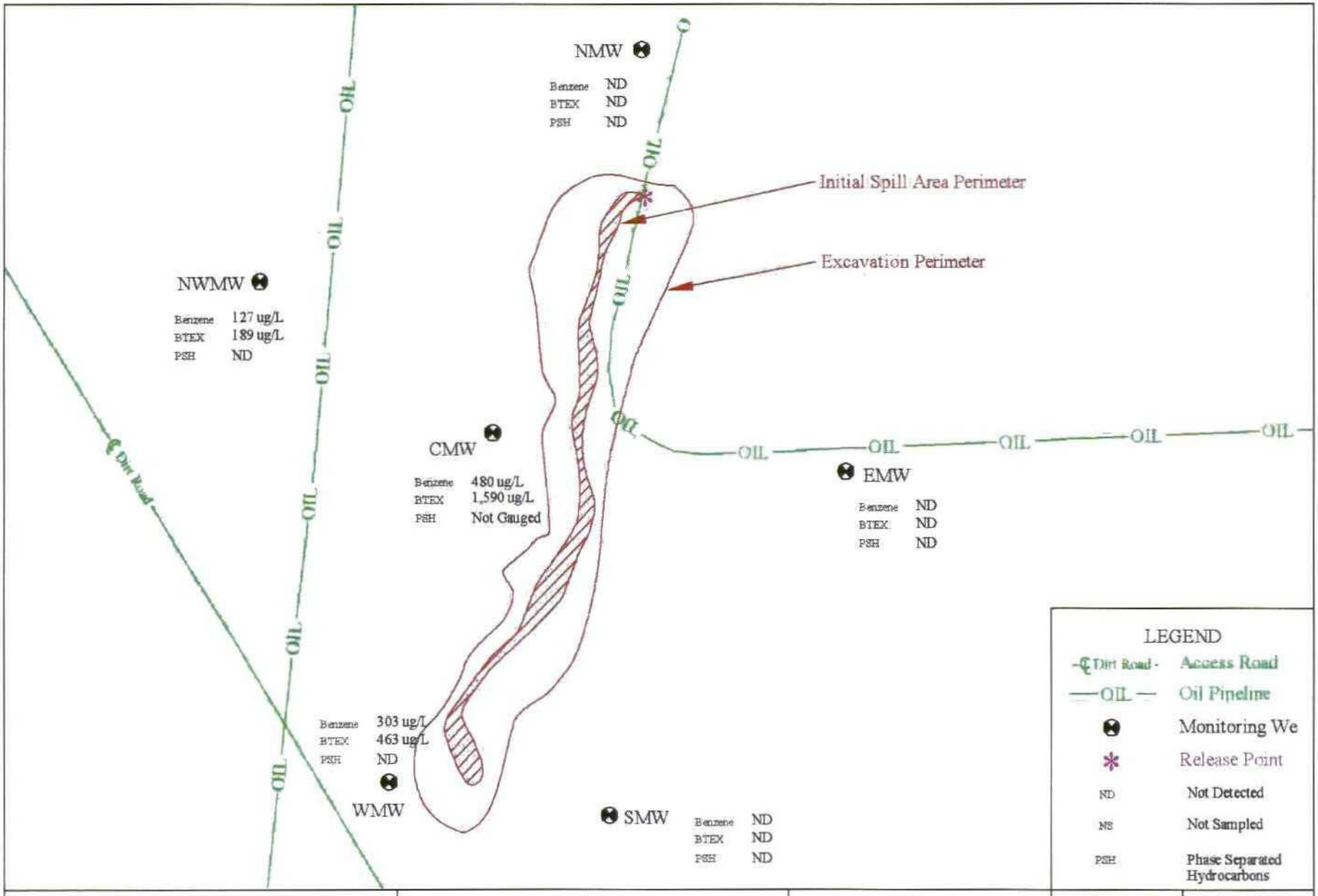

Figure 12 Contaminant Concentration Map - 04/17/02 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED:	N
			SHEET 1 of 1	

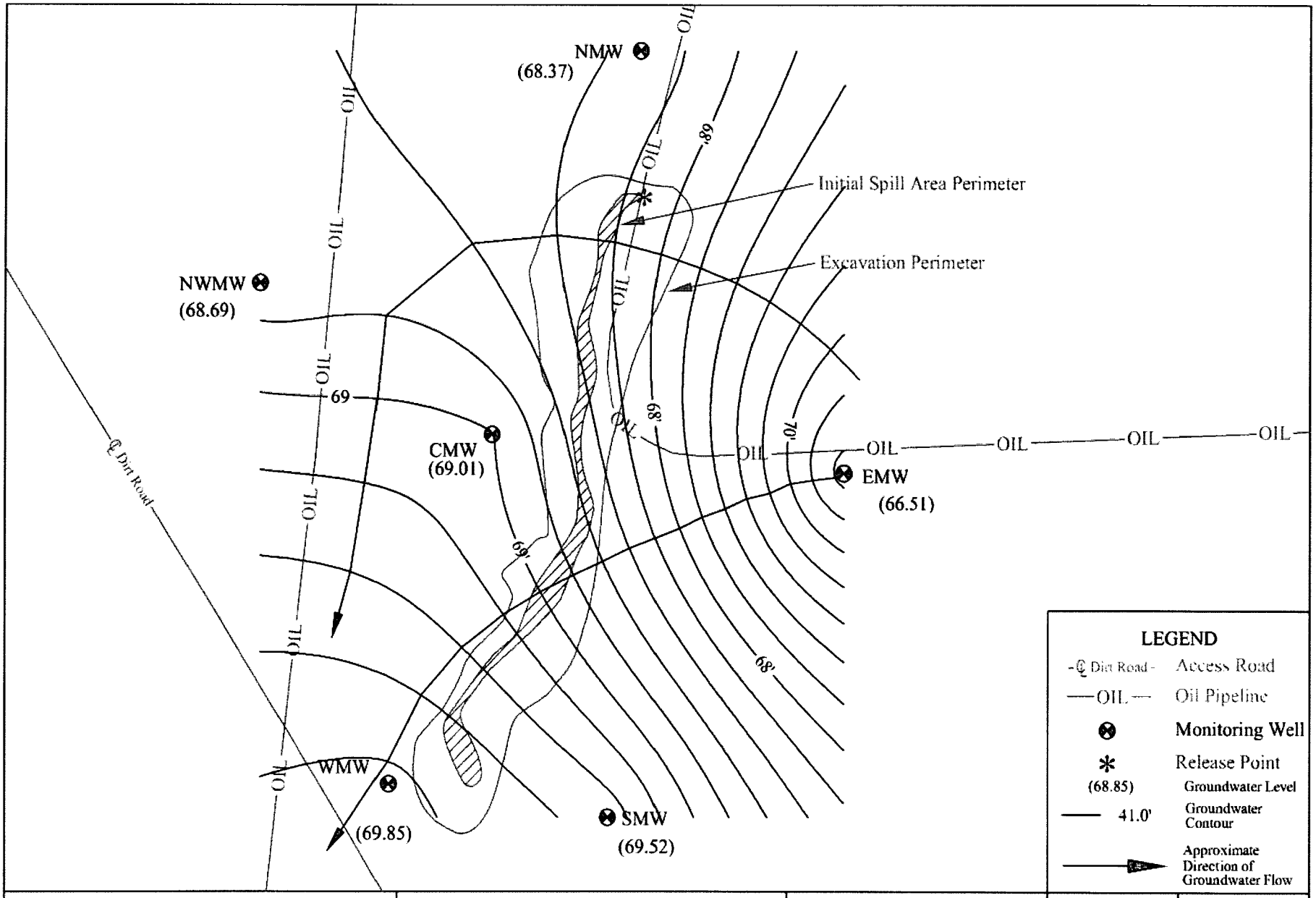

Figure 13 Groundwater Contour Map - 07/10/02 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 65 130 Feet	REVISED: SHEET 1 of 1 N

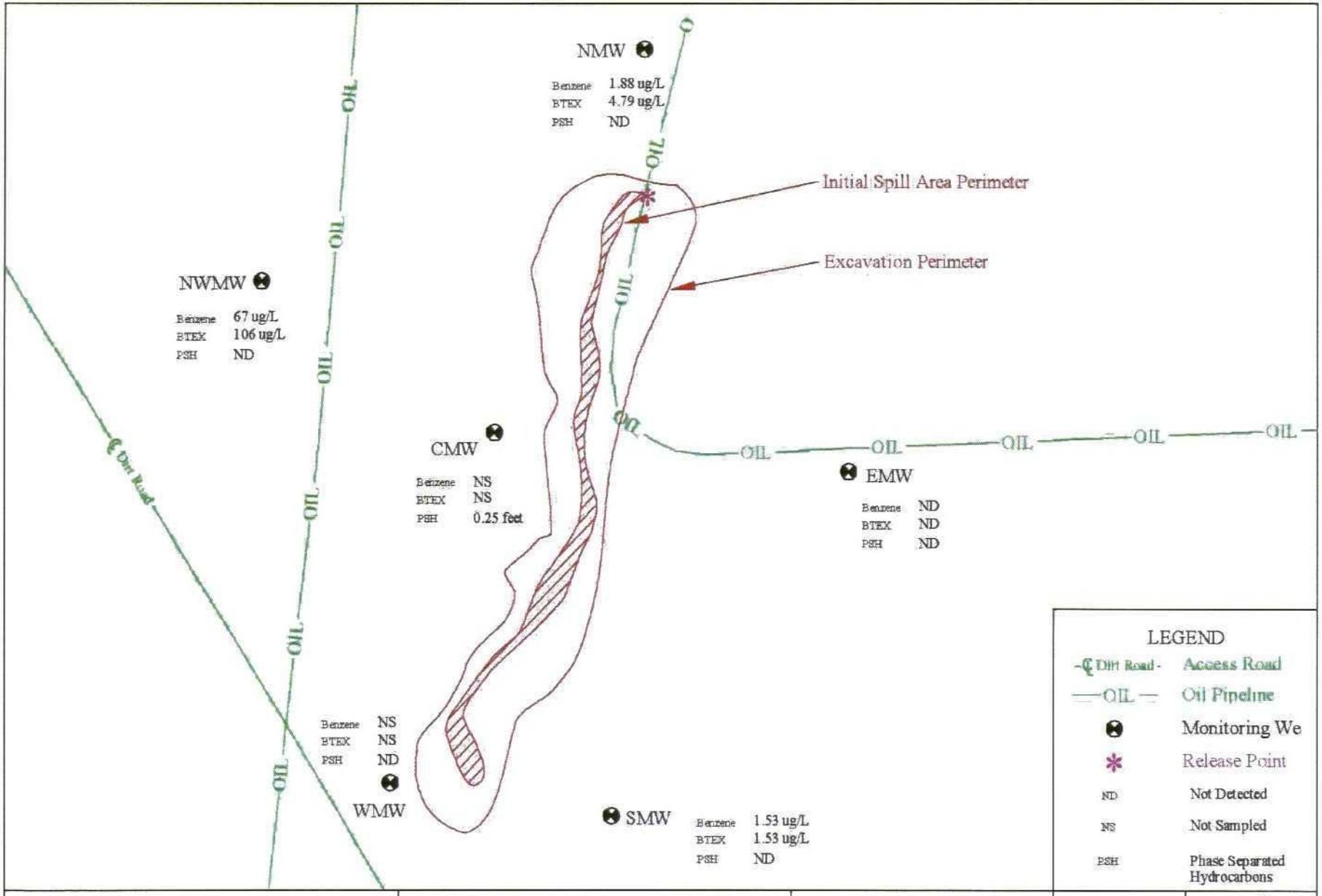

Figure 14 Contaminant Concentration Map - 07/10/02 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 65 130 Feet	REVISED: SHEET 1 of 1

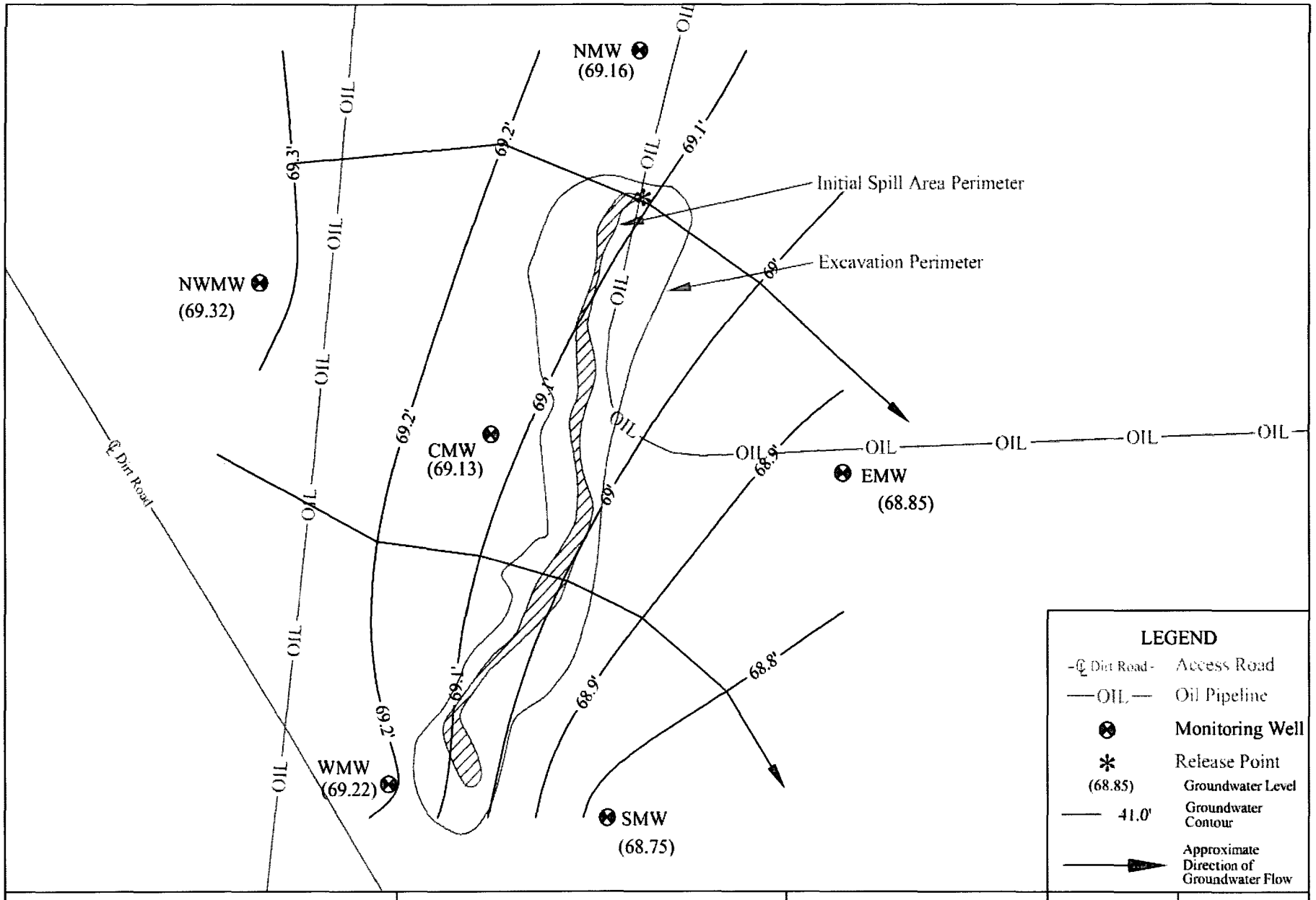

Figure 15 Groundwater Contour Map - 04/15/03 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 65 130 Feet	REVISED: SHEET 1 of 1 N

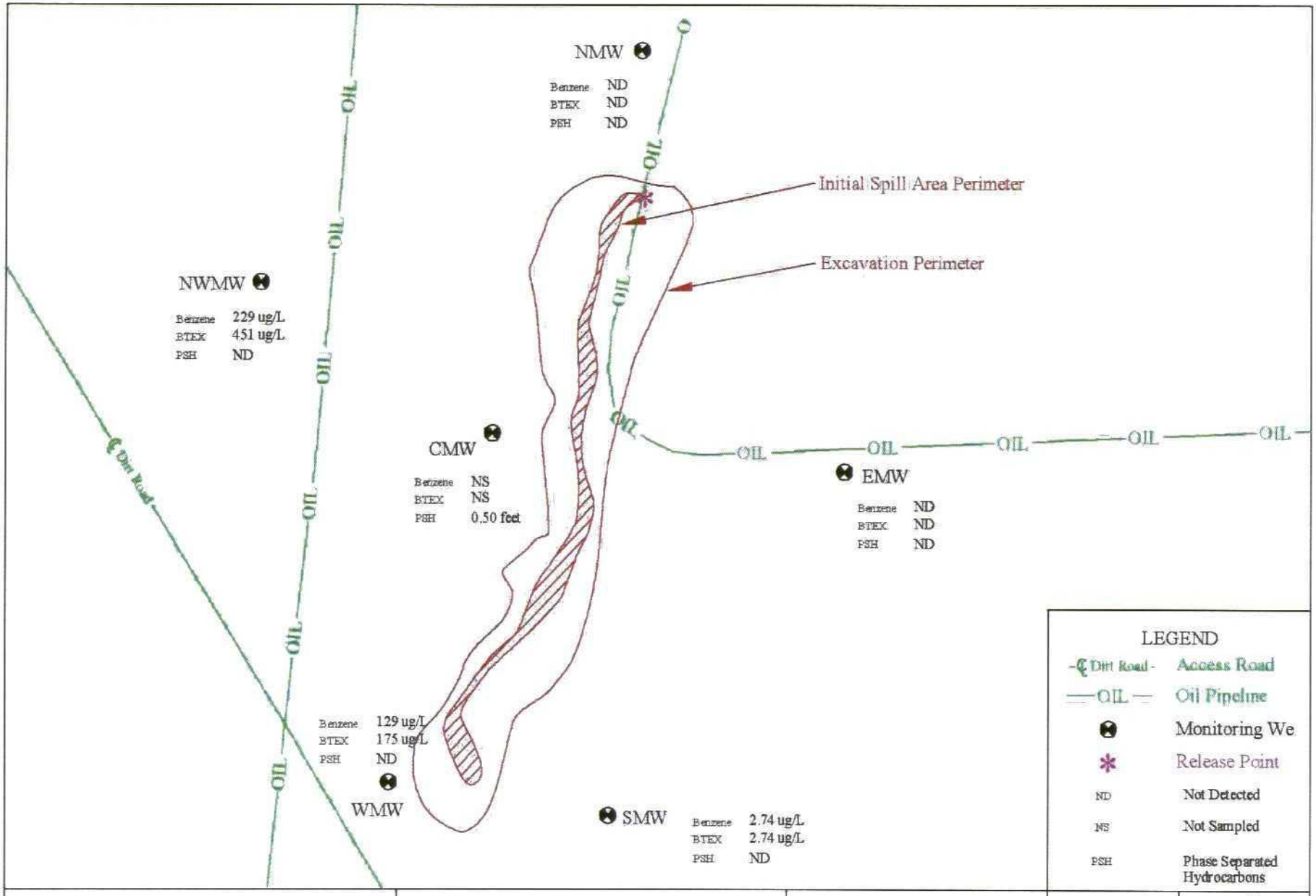

Figure 16 Contaminant Concentration Map - 04/15/03 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 65 130 Feet	REVISED: SHEET 1 of 1 N

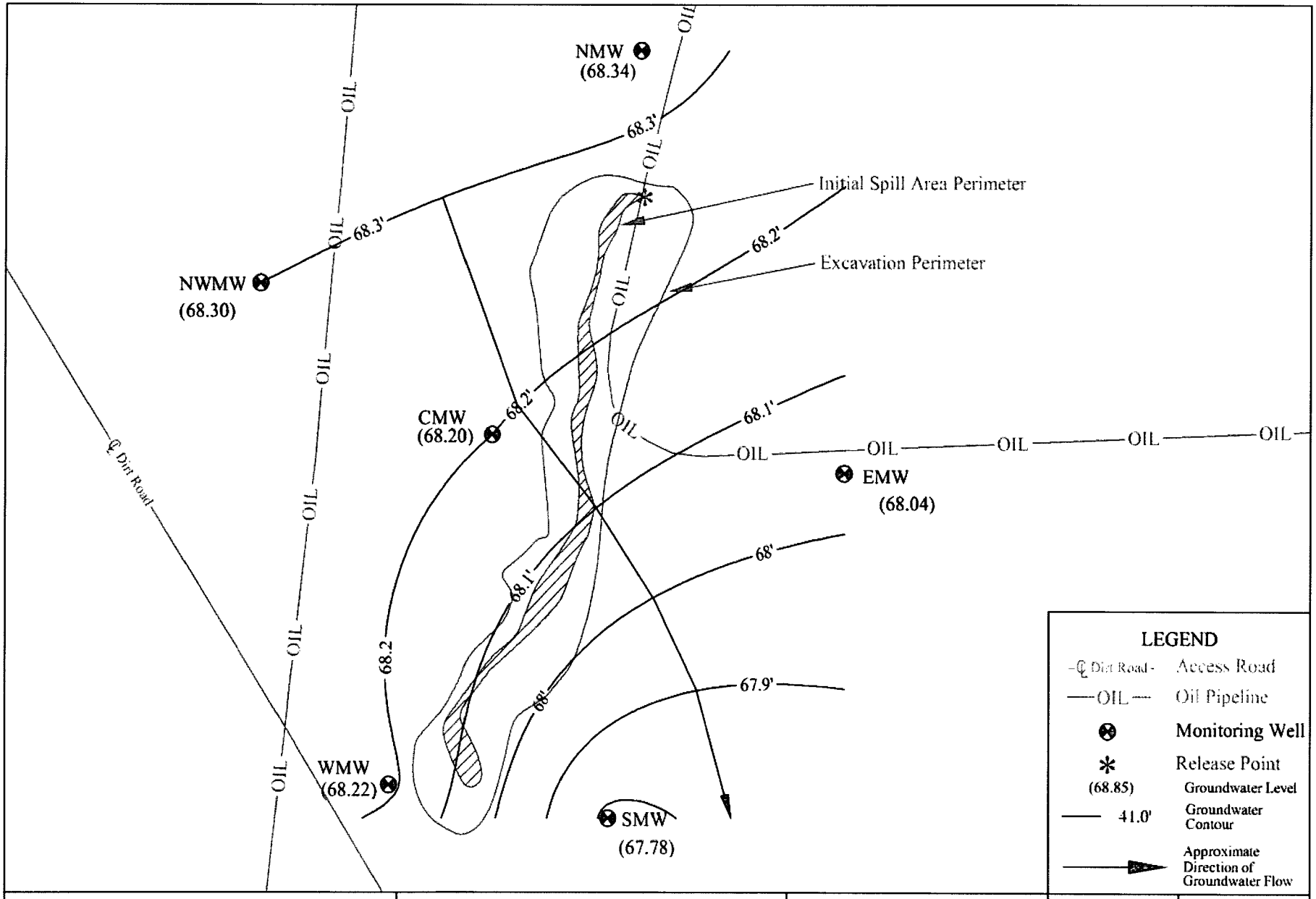

Figure 17 Groundwater Contour Map - 07/14/03 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103° 09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004	REVISED:	N
		0 65 130 Feet	SHEET 1 of 1	

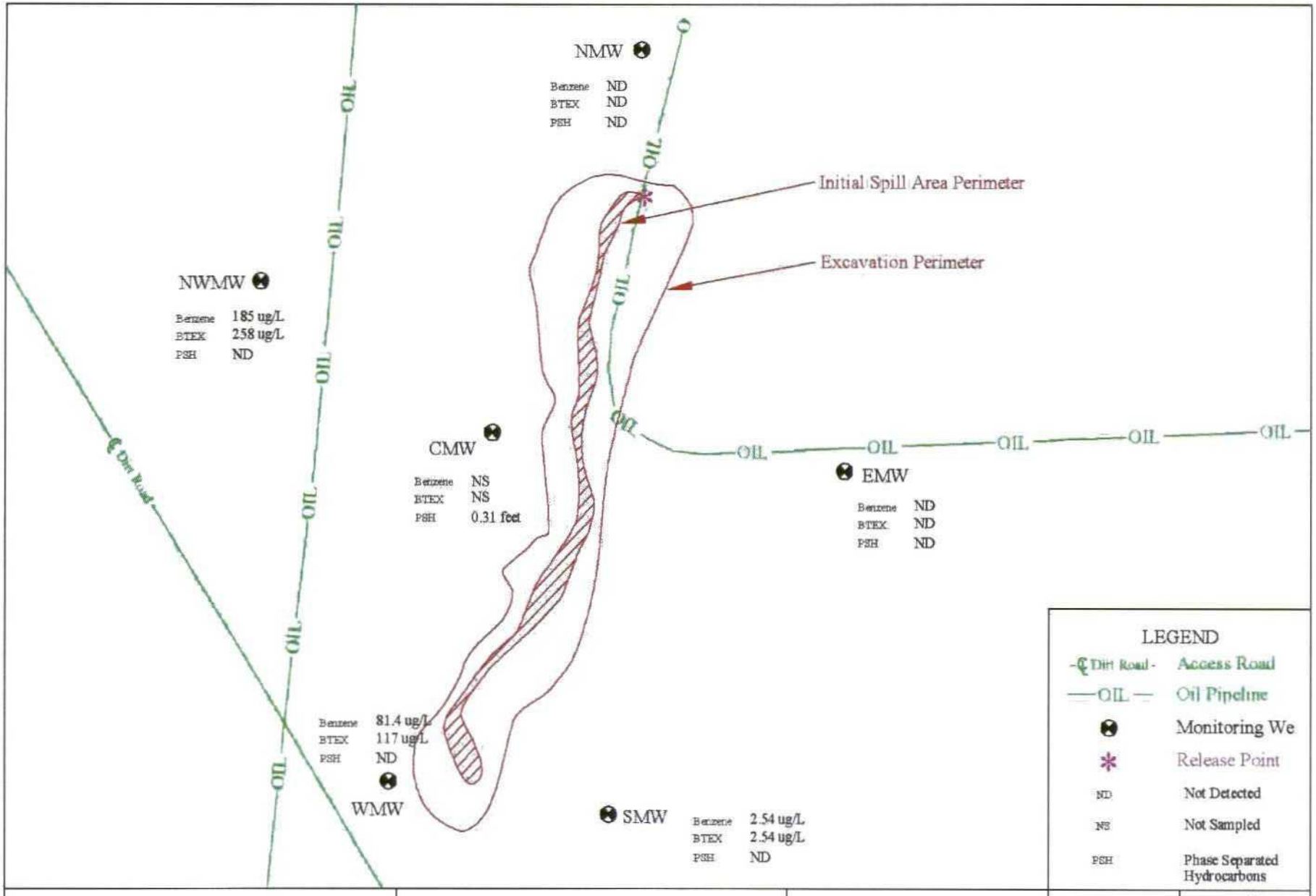

Figure 18 Contaminant Concentration Map - 07/14/03 Link Energy, LLC Livingston Line - Bob McCasland	Lea County, New Mexico NE 1/4 of the SW 1/4, Sec. 3, T21S, R37E N 32° 30' 18.8" W 103 °09' 6.48" Elevation: 3,427 feet amsl	DWG By: Iain Olness April 2004 0 65 130 Feet	REVISED: SHEET 1 of 1	N

TABLES

TABLE 1

RELATIVE GROUNDWATER ELEVATIONS AND PHASE SEPARATED HYDROCARBON THICKNESSES

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
NMW	10-Jul-02	106.47	--	38.10	68.37	--
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		--	37.31	69.16	--
	2-May-03					
	16-Jun-03					
	14-Jul-03		--	38.13	68.34	--
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
NWMW	10-Jul-02	100.00	--	31.31	68.69	--
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		--	30.68	69.32	--
	2-May-03					
	16-Jun-03					
	14-Jul-03		--	31.70	68.30	--
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
CMW	10-Jul-02	99.73	30.70	30.95	69.01	0.25
	18-Nov-02		29.28	29.95	70.38	0.67
	13-Dec-02		29.75	30.99	69.86	1.24
	24-Mar-03		30.56	31.03	69.12	0.47
	15-Apr-03		30.55	31.05	69.13	0.50
	2-May-03		30.71	30.94	69.00	0.23
	16-Jun-03		31.09	31.18	68.63	0.09
	14-Jul-03		31.50	31.81	68.20	0.31
	31-Jul-03		31.49	31.80	68.21	0.31
	22-Sep-03		32.05	32.07	67.68	0.02
	23-Oct-03		32.03	33.07	67.60	1.04
	5-Nov-03		32.10	34.65	67.38	2.55
EMW	10-Jul-02	100.99	--	34.48	66.51	--
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		--	32.14	68.85	--
	2-May-03					
	16-Jun-03					
	14-Jul-03		--	32.95	68.04	--
	31-Jul-03					

TABLE 1

RELATIVE GROUNDWATER ELEVATIONS AND PHASE SEPARATED HYDROCARBON THICKNESSES

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
EMW (cont.)	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
SMW	10-Jul-02	96.68	--	27.16	69.52	--
	18-Nov-02					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		--	27.93	68.75	--
	2-May-03					
	16-Jun-03					
	14-Jul-03		--	28.90	67.78	--
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					
WMW	10-Jul-02	97.01	--	27.16	69.85	--
	18-Nov-12					
	13-Dec-02					
	24-Mar-03					
	15-Apr-03		--	27.79	69.22	--
	2-May-03					
	16-Jun-03					
	14-Jul-03		--	28.79	68.22	--
	31-Jul-03					
	22-Sep-03					
	23-Oct-03					
	5-Nov-03					

* = Wells not surveyed

-- = Not Detected

If cell is blank, the well was not gauged

TABLE 2

Summary of Groundwater Analytical Results

Livingston 4" Bob McCasland - Ref #2001-11043

Monitor Well Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	m,p-Xylenes (µg/L)	o-Xylene (µg/L)	Total Xylenes (µg/L)	Chloride (mg/L)	Total Dissolved Solids (mg/L)	TPH as Diesel (mg/L)	TPH as Gasoline (mg/L)	Total TPH (mg/L)
Test Well #1	22-Aug-01	**1,020**	**1,040**	468	416	238	**654**	**706**	**2,230**	0.44	6.2	6.64
	27-Nov-01	**1,750**	**1,340**	321	548	308	**856**	--	--	1.47	13.6	15.1
Test Well #2	20-Aug-01	**1,670**	**5,200**	**2,390**	4,770	2,450	**7,220**	**647**	**1,910**	56.1	2.1	58.2
NMW	13-Sep-01	2.00	3.00	<1	<1	<1	<2	**549**	**1,650**	<3	<3	<6
	24-Jan-02	<1	<1	<1	<1	<1	<2	**617**	**1,830**	--	--	--
	17-Apr-02	<1	<1	<1	<1	<1	<2	--	--	--	--	--
	10-Jul-02	1.88	<1	1.87	1.04	<1	1.04	--	--	--	--	--
	15-Apr-03	<1	<1	<1	<1	<1	<2	--	--	--	--	--
	14-Jul-03	<1	<1	<1	<1	<1	<2	--	--	--	--	--
NWMW	24-Jan-02	**368**	<1	53.7	65	12.5	77.5	**712**	**2,000**	--	--	--
	17-Apr-02	**127**	<1	25.4	28.3	8.33	36.6	--	--	--	--	--
	10-Jul-02	**67**	1.88	17.6	15.4	3.89	19.3	--	--	--	--	--
	15-Apr-03	**229**	1	58.8	44.3	12.4	56.7	--	--	--	--	--
	14-Jul-03	**185**	<1	35.1	29.5	8.23	37.7	--	--	--	--	--
CMW	24-Jan-02	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	17-Apr-02	**480**	361	199	334	216	550	--	--	--	--	--
	10-Jul-02	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	15-Apr-03	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
	14-Jul-03	Not Sampled due to the Presence of Phase Separated Hydrocarbons										
EMW	13-Sep-01	<1	<1	<1	<1	<1	<2	**922**	**2,750**	<3	<3	<6
	24-Jan-02	<1	<1	<1	<1	<1	<2	**1,060**	**2,760**	--	--	--
	17-Apr-02	<1	<1	<1	<1	<1	<2	--	--	--	--	--
	10-Jul-02	<1	<1	<1	<1	<1	<2	--	--	--	--	--
	15-Apr-03	<1	<1	<1	<1	<1	<2	--	--	--	--	--
	14-Jul-03	<1	<1	<1	<1	<1	<2	--	--	--	--	--
SMW	24-Jan-02	<1	<1	<1	<1	<1	<2	**745**	**2,290**	--	--	--
	17-Apr-02	<1	<1	<1	<1	<1	<2	--	--	--	--	--
	10-Jul-02	1.53	<1	<1	<1	<1	<2	--	--	--	--	--
	15-Apr-03	2.74	<1	<1	<1	<1	<2	--	--	--	--	--
	14-Jul-03	2.54	<1	<1	<1	<1	<2	--	--	--	--	--
WMW	13-Sep-01	**535**	75	84	438	40	478	**709**	**2,030**	6.34	3.02	9.36
	24-Jan-02	**280**	3	107	8.28	5.65	13.9	**635**	**2,080**	--	--	--
	17-Apr-02	**303**	9.48	129	8.16	13.2	21.4	--	--	--	--	--
	10-Jul-02	Sample not Analyzed										
	15-Apr-03	**129**	3.54	36.6	3.52	2.38	5.90	--	--	--	--	--
	14-Jul-03	**81.4**	<1	34.4	1.41	<1	1.41	--	--	--	--	--
NMOCD Remedial Thresholds		10	750	750			620	250	1,000			

Bolded values are in excess of the NMOCD Remediation Thresholds or Other Standards for Domestic Water Supply.

-- = Parameter was not analyzed

APPENDICES

APPENDIX A

GROUNDWATER ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS

ANALYSYS Inc.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125078 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402SMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 11:02

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	---		---		01/30/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	01/30/02	8260b	---	1	96.1	104.7	99.2
Ethylbenzene	<1	µg/L	1	<1	01/30/02	8260b	---	0.9	100.8	104.9	99.6
m,p-Xylenes	<1	µg/L	1	<1	01/30/02	8260b	---	0.6	109.5	113.3	100.3
o-Xylene	<1	µg/L	1	<1	01/30/02	8260b	---	0.6	102.8	106.3	89.4
Toluene	<1	µg/L	1	<1	01/30/02	8260b	---	10.1	107.1	117.3	118.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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). 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.

ANALYSIS inc.

4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** Livingston Bob McCasland 2000-11043 **Sample Name:** WELBM12402SMW	**Report#/Lab ID#:** 125078 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.5	80-120	---
Toluene-d8	8260b	93.6	88-110	---

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

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125079 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402WMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 11:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Total dissolved solids	2080	mg/L	1	<1	01/28/02	160.1	---	6.07	-NA-	-NA-	-NA-
Chloride	635	mg/L	5	<5	01/28/02	325.2&9251	---	1.35	98.7	108.01	96.84

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Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125080 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402WMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 11:22

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	---		---		01/30/02	8260b	---	---	---	---	---
Benzene	280	µg/L	1	<1	01/30/02	8260b	---	1	96.1	104.7	99.2
Ethylbenzene	107	µg/L	1	<1	01/30/02	8260b	---	0.9	100.8	104.9	99.6
m,p-Xylenes	8.28	µg/L	1	<1	01/30/02	8260b	---	0.6	109.5	113.3	100.3
o-Xylene	5.65	µg/L	1	<1	01/30/02	8260b	---	0.6	102.8	106.3	89.4
Toluene	3.19	µg/L	1	<1	01/30/02	8260b	---	10.1	107.1	117.3	118.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** Livingston Bob McCasland 2000-11043 **Sample Name:** WELBM12402WMW	**Report#/Lab ID#:** 125080 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	80-120	---
Toluene-d8	8260b	92.5	88-110	---

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

ANALYSYS Inc.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125081 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402NWMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 11:40

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]
Total dissolved solids	2000	mg/L	1	<1	01/28/02	160.1	---	6.07	-NA-	-NA-	-NA-
Chloride	712	mg/L	5	<5	01/28/02	325.2&9251	---	1.35	98.7	108.01	96.84

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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). 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: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125082 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402NWMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **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]
Volatile organics-8260b/BTEX	---		---		01/30/02	8260b	---	---	---	---	---
Benzene	368	µg/L	1	<1	01/30/02	8260b	---	1	96.1	104.7	99.2
Ethylbenzene	53.7	µg/L	1	<1	01/30/02	8260b	---	0.9	100.8	104.9	99.6
m,p-Xylenes	65	µg/L	1	<1	01/30/02	8260b	---	0.6	109.5	113.3	100.3
o-Xylene	12.5	µg/L	1	<1	01/30/02	8260b	---	0.6	102.8	106.3	89.4
Toluene	<1	µg/L	1	<1	01/30/02	8260b	---	10.1	107.1	117.3	118.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

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Richard Laster

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** Livingston Bob McCasland 2000-11043 **Sample Name:** WELBM12402NWMW	**Report#/Lab ID#:** 125082 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90.4	80-120	---
Toluene-d8	8260b	99.3	88-110	---

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

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125083 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402NMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 11:55

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Total dissolved solids	1830	mg/L	1	<1	01/28/02	160.1	---	6.07	-NA-	-NA-	-NA-
Chloride	617	mg/L	5	<5	01/28/02	325.2&9251	---	1.35	98.7	108.01	96.84

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

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Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125084 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402NMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 11:58

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	---		---		01/30/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	01/30/02	8260b	---	1	96.1	104.7	99.2
Ethylbenzene	<1	µg/L	1	<1	01/30/02	8260b	---	0.9	100.8	104.9	99.6
m,p-Xylenes	<1	µg/L	1	<1	01/30/02	8260b	---	0.6	109.5	113.3	100.3
o-Xylene	<1	µg/L	1	<1	01/30/02	8260b	---	0.6	102.8	106.3	89.4
Toluene	<1	µg/L	1	<1	01/30/02	8260b	---	10.1	107.1	117.3	118.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** Livingston Bob McCasland 2000-11043 **Sample Name:** WELBM12402NMW	**Report#/Lab ID#:** 125084 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	80-120	---
Toluene-d8	8260b	98.2	88-110	---

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

ANALYSYS Inc.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125085 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402EMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 12:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Total dissolved solids	2760	mg/L	1	<1	01/28/02	160.1	---	6.07	-NA-	-NA-	-NA-
Chloride	1060	mg/L	10	<10	01/28/02	325.2&9251	---	1.35	98.7	108.01	96.84

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ANALYSYS Inc.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 125086 **Report Date:** 01/31/02
Project ID: Livingston Bob McCasland 2000-11043
Sample Name: WELBM12402EMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 12:23

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	---		---		01/30/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	01/30/02	8260b	---	1	96.1	104.7	99.2
Ethylbenzene	<1	µg/L	1	<1	01/30/02	8260b	---	0.9	100.8	104.9	99.6
m,p-Xylenes	<1	µg/L	1	<1	01/30/02	8260b	---	0.6	109.5	113.3	100.3
o-Xylene	<1	µg/L	1	<1	01/30/02	8260b	---	0.6	102.8	106.3	89.4
Toluene	<1	µg/L	1	<1	01/30/02	8260b	---	10.1	107.1	117.3	118.2

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2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** Livingston Bob McCasland 2000-11043 **Sample Name:** WELBM12402EMW	**Report#/Lab ID#:** 125086 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	99	88-110	---

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

CHAIN OF CUSTODY

Send Reports To:
Company Name Environmental Plus
Address 2100 Ave O
City Eunice State N.M Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Bill to (if different):
Company Name EOTT/Enron
Address 5805 East Highway 80
City Midland State TX Zip 79701
ATTN: Wayne Bouvette
Phone 915-556-0190 Fax 915-684-3450

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: Livingston Bob McCasland 2002-11043 Sampler: Bradley Blevins

Analyses Requested (1)
Please attach explanatory information as required

#1343

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Btex 8020	TDS	Chloride	Comments
WELBM12402SMW	1-24-02	11:00	1	·	X		125077		X	X	
WELBM12402SMW	1-24-02	11:02	2		X		125078	X			
WELBM12402WMW	1-24-02	11:20	1		X		125079		X	X	
WELBM12402WMW	1-24-02	11:22	2		X		125080	X			
WELBM12402NWMW	1-24-02	11:40	1		X		125081		X	X	
WELBM12402NWMW	1-24-02	11:42	2		X		125082	X	·		
WELBM12402NMW	1-24-02	11:55	1		X		125083		X	X	
WELBM12402NMW	1-24-02	11:58	2		X		125084	X			
WELBM12402EMW	1-24-02	12:20	1		X		125085		X	X	
WELBM12402EMW	1-24-02	12:23	2		X		125086	X			

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp 0.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Blevins	Environmental Plus	1-24-02	1:30	Melanie Humphrey	ASI	1/25/02	1058

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 128228 **Report Date:** 04/22/02
Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202SMW
Sample Matrix: water
Date Received: 04/17/2002 **Time:** 10:31
Date Sampled: 04/12/2002 **Time:** 08:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/19/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/19/02	8260b	---	2.4	84.3	86.3	84.2
Ethylbenzene	<1	µg/L	1	<1	04/19/02	8260b	---	2.7	109.2	108.1	108.8
m,p-Xylenes	<1	µg/L	1	<1	04/19/02	8260b	---	2.7	112.5	110.9	112.3
o-Xylene	<1	µg/L	1	<1	04/19/02	8260b	---	3.4	111.5	109.4	111.1
Toluene	<1	µg/L	1	<1	04/19/02	8260b	---	2.1	92.6	92.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202SMW

Report#/Lab ID#: 128228
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	120	80-120	---
Toluene-d8	8260b	93.7	88-110	---

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

ANALYSYS inc.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 128229 **Report Date:** 04/22/02
Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202WMW
Sample Matrix: water
Date Received: 04/17/2002 **Time:** 10:31
Date Sampled: 04/12/2002 **Time:** 09:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/19/02	8260b	---	---	---	---	---
Benzene	303	µg/L	1	<1	04/19/02	8260b	---	2.4	84.3	86.3	84.2
Ethylbenzene	129	µg/L	1	<1	04/19/02	8260b	---	2.7	109.2	108.1	108.8
m,p-Xylenes	8.16	µg/L	1	<1	04/19/02	8260b	---	2.7	112.5	110.9	112.3
o-Xylene	13.2	µg/L	1	<1	04/19/02	8260b	---	3.4	111.5	109.4	111.1
Toluene	9.48	µg/L	1	<1	04/19/02	8260b	---	2.1	92.6	92.6	92.2

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Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

4221 Freidrich Lane,Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 7840408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202WMW

Report#/Lab ID#: 128229
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	115	80-120	---
Toluene-d8	8260b	94.9	88-110	---

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

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 128230 **Report Date:** 04/22/02
Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202NWMW
Sample Matrix: water
Date Received: 04/17/2002 **Time:** 10:31
Date Sampled: 04/12/2002 **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	---		---		04/19/02	8260b	---	---	---	---	---
Benzene	127	µg/L	1	<1	04/19/02	8260b	---	2.4	84.3	86.3	84.2
Ethylbenzene	25.4	µg/L	1	<1	04/19/02	8260b	---	2.7	109.2	108.1	108.8
m,p-Xylenes	28.3	µg/L	1	<1	04/19/02	8260b	---	2.7	112.5	110.9	112.3
o-Xylene	8.33	µg/L	1	<1	04/19/02	8260b	---	3.4	111.5	109.4	111.1
Toluene	<1	µg/L	1	<1	04/19/02	8260b	---	2.1	92.6	92.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202NWMW

Report#/Lab ID#: 128230
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	94.3	88-110	---

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

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 128231 **Report Date:** 04/22/02
Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202NMW
Sample Matrix: water
Date Received: 04/17/2002 **Time:** 10:31
Date Sampled: 04/12/2002 **Time:** 10:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/19/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/19/02	8260b	---	2.4	84.3	86.3	84.2
Ethylbenzene	<1	µg/L	1	<1	04/19/02	8260b	---	2.7	109.2	108.1	108.8
m,p-Xylenes	<1	µg/L	1	<1	04/19/02	8260b	---	2.7	112.5	110.9	112.3
o-Xylene	<1	µg/L	1	<1	04/19/02	8260b	---	3.4	111.5	109.4	111.1
Toluene	<1	µg/L	1	<1	04/19/02	8260b	---	2.1	92.6	92.6	92.2

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Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202NMW

Report#/Lab ID#: 128231
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	80-120	---
Toluene-d8	8260b	95.6	88-110	---

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

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 128232 **Report Date:** 04/22/02
Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202EMW
Sample Matrix: water
Date Received: 04/17/2002 **Time:** 10:31
Date Sampled: 04/12/2002 **Time:** 11:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/18/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/18/02	8260b	---	2.3	100.1	100.4	96.6
Ethylbenzene	<1	µg/L	1	<1	04/18/02	8260b	---	1.9	92.6	92.2	90.4
m,p-Xylenes	<1	µg/L	1	<1	04/18/02	8260b	---	3.7	99	100.3	95.3
o-Xylene	<1	µg/L	1	<1	04/18/02	8260b	---	1.6	90.9	91.8	89.1
Toluene	<1	µg/L	1	<1	04/18/02	8260b	---	2.5	111.3	111.4	107.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202EMW

Report#/Lab ID#: 128232
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	95.4	88-110	---

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

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 128233 **Report Date:** 04/22/02
Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202CMW
Sample Matrix: water
Date Received: 04/17/2002 **Time:** 10:31
Date Sampled: 04/12/2002 **Time:** 11:50

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	---		---		04/18/02	8260b	---	---	---	---	---
Benzene	480	µg/L	10	<10	04/19/02	8260b	---	2.3	100.1	100.4	96.6
Ethylbenzene	199	µg/L	1	<1	04/18/02	8260b	---	1.9	92.6	92.2	90.4
m,p-Xylenes	334	µg/L	1	<1	04/18/02	8260b	---	3.7	99	100.3	95.3
o-Xylene	216	µg/L	1	<1	04/18/02	8260b	---	1.6	90.9	91.8	89.1
Toluene	361	µg/L	10	<10	04/19/02	8260b	---	2.5	111.3	111.4	107.2

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(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2001-11043 Livingston Bob McCasland
Sample Name: WELBM41202CMW

Report#/Lab ID#: 128233
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	115	80-120	---
Toluene-d8	8260b	89.6	88-110	---

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

CHAIN-OF-CUSTODY

ANALYSYS INC.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
Phone: (512) 444-5896
Fax: (512) 447-4766

Send Reports To:
Company Name Environmental Plus
Address 2100 AVE O
City Eunice State NM Zip 88231
ATTN: Pat McCasland
Phone 394-3481 Fax 394 2601

Bill to (if different):
Company Name Exh Energy
Address 5805 E HWY 80
City Midland State TX Zip 79701
ATTN: Frank Hernandez
Phone _____ Fax _____

Rush Status (must be confirmed with lab mgr.): _____
Project Name/PO#: 2001-11043 Sampler: Bradley Blevins
Livingston Bob McCasland

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8020	Comments
WELBM41202SMW -	4-12-02	8:30	2		X		128228	X	
WELBM41202WMW -	4-12-02	9:15	2		X		128229	X	
WELBM41202NWMW -	4-12-02	10:00	2		X		128230	X	
WELBM41202NMW -	4-12-02	10:40	2		X		128231	X	
WELBM41202EMW -	4-12-02	11:15	2		X		128232	X	
WELBM41202CMW -	4-12-02	11:50	2		X		128233	X	

Analyses Requested (1)
Please attach explanatory information as required

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants or ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC proced

Temp: 0.0°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Blevins	EPI	4-12-02		Melanie Humphrey	ASI	4/17/02	10:31

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 131467 **Report Date:** 07/16/02
Project ID: 2001-11043
Sample Name: WELBM71002SMW
Sample Matrix: water
Date Received: 07/12/2002 **Time:** 09:15
Date Sampled: 07/10/2002 **Time:** 08:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		07/15/02	8260b	---	---	---	---	---
Benzene	1.53	µg/L	1	<1	07/15/02	8260b	---	5.4	91.6	102.7	84.1
Ethylbenzene	<1	µg/L	1	<1	07/15/02	8260b	---	2.2	101.7	110.1	111.9
m,p-Xylenes	<1	µg/L	1	<1	07/15/02	8260b	---	1.7	107.1	114.4	115
o-Xylene	<1	µg/L	1	<1	07/15/02	8260b	---	1.6	102.9	110.5	110.1
Toluene	<1	µg/L	1	<1	07/15/02	8260b	---	4	93.7	95.5	81.5

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2001-11043 **Sample Name:** WELBM71002SMW	**Report#/Lab ID#:** 131467 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.3	80-120	---
Toluene-d8	8260b	107	88-110	---

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

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 131468 **Report Date:** 07/16/02
Project ID: 2001-11043
Sample Name: WELBM71002NWMW
Sample Matrix: water
Date Received: 07/12/2002 **Time:** 09:15
Date Sampled: 07/10/2002 **Time:** 12:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		07/15/02	8260b	---	---	---	---	---
Benzene	67.4	µg/L	1	<1	07/15/02	8260b	---	5.4	91.6	102.7	84.1
Ethylbenzene	17.6	µg/L	1	<1	07/15/02	8260b	---	2.2	101.7	110.1	111.9
m,p-Xylenes	15.4	µg/L	1	<1	07/15/02	8260b	---	1.7	107.1	114.4	115
o-Xylene	3.89	µg/L	1	<1	07/15/02	8260b	---	1.6	102.9	110.5	110.1
Toluene	1.88	µg/L	1	<1	07/15/02	8260b	---	4	93.7	95.5	81.5

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2001-11043 **Sample Name:** WELBM71002NWMW	**Report#/Lab ID#:** 131468 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.3	80-120	---
Toluene-d8	8260b	103	88-110	---

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

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 131469 **Report Date:** 07/16/02
Project ID: 2001-11043
Sample Name: WELBM71002NMW
Sample Matrix: water
Date Received: 07/12/2002 **Time:** 09:15
Date Sampled: 07/10/2002 **Time:** 13:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		07/15/02	8260b	---	---	---	---	---
Benzene	1.88	µg/L	1	<1	07/15/02	8260b	---	5.4	91.6	102.7	84.1
Ethylbenzene	1.87	µg/L	1	<1	07/15/02	8260b	---	2.2	101.7	110.1	111.9
m,p-Xylenes	1.04	µg/L	1	<1	07/15/02	8260b	---	1.7	107.1	114.4	115
o-Xylene	<1	µg/L	1	<1	07/15/02	8260b	---	1.6	102.9	110.5	110.1
Toluene	<1	µg/L	1	<1	07/15/02	8260b	J	4	93.7	95.5	81.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS Inc.

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

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2001-11043 **Sample Name:** WELBM71002NMW	**Report#/Lab ID#:** 131469 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.9	80-120	---
Toluene-d8	8260b	104	88-110	---

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

Exceptions Report:

Report #/Lab ID#: 131469 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2001-11043
Sample Name: WELBM71002NMW

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 TNRCC-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: _____

ANALYSYS Inc.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231

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

Report#/Lab ID#: 131470 **Report Date:** 07/16/02
Project ID: 2001-11043
Sample Name: WELBM71002EMW
Sample Matrix: water
Date Received: 07/12/2002 **Time:** 09:15
Date Sampled: 07/10/2002 **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	---		---		07/15/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	07/15/02	8260b	---	5.4	91.6	102.7	84.1
Ethylbenzene	<1	µg/L	1	<1	07/15/02	8260b	---	2.2	101.7	110.1	111.9
m,p-Xylenes	<1	µg/L	1	<1	07/15/02	8260b	---	1.7	107.1	114.4	115
o-Xylene	<1	µg/L	1	<1	07/15/02	8260b	---	1.6	102.9	110.5	110.1
Toluene	<1	µg/L	1	<1	07/15/02	8260b	---	4	93.7	95.5	81.5

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

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

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2001-11043 **Sample Name:** WELBM71002EMW	**Report#/Lab ID#:** 131470 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	---
Toluene-d8	8260b	99.1	88-110	---

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

CHAIN-OF-CUSTODY

AnalySys Inc.
4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Send Reports To:
Company Name: Environmental Plus
Address: 2100 Ave O
City: Eunice State: N.M. Zip: 88231
ATTN: Pat McCasland
Phone: 505-394-3481 Fax: 505-394-2601

Bill to (if different):
Company Name:
Address:
City: State: Zip:
ATTN:
Phone: Fax:

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2001-110413 Sampler: Bradley Blair

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	BTEX 8021b	Comments
WELBM71002SMW	7-10-02	8:00	2		X		131467	X	
WELBM71002WMW	7-10-02	9:30	2		X			X	
~~WELBM71002CMW~~	~~7-10-02~~	~~11:00~~	~~2~~		~~X~~			~~X~~	
WELBM71002NWMW	7-10-02	12:40	2		X		131468	X	
WELBM71002NMW	7-10-02	1:15	2		X		131469	X	
WELBM71002EMW	7-10-02	2:05	2		X		131470	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants o ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Temp: 4.0° C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Blair	Environmental Plus	7-10-02		Melanie Humphrey	ASI	7/12/02	0915

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 141614 **Report Date:** 04/28/03
Project ID: 2001-11043 Livingston BM
Sample Name: WELBM41503NWMW
Sample Matrix: water
Date Received: 04/22/2003 **Time:** 10:30
Date Sampled: 04/15/2003 **Time:** 12:50

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	---		---		04/24/03	8260b	---	---	---	---	---
Benzene	**229**	µg/L	1	<1	04/24/03	8260b	---	0.6	97	99.4	96.8
Ethylbenzene	**58.8**	µg/L	1	<1	04/24/03	8260b	---	3.8	98.5	103.3	103.1
m,p-Xylenes	**44.3**	µg/L	1	<1	04/24/03	8260b	---	2.9	96.1	100.4	103.4
o-Xylene	**12.4**	µg/L	1	<1	04/24/03	8260b	---	2.7	98.5	102.2	104.6
Toluene	**1**	µg/L	1	<1	04/24/03	8260b	---	2.5	103	105.5	105.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS inc.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043 Livingston BM	**Report#/Lab ID#:** 141614
Attn: Pat McCasland	**Sample Name:** WELBM41503NWMW	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	92.5	88-110	---

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

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 141615 **Report Date:** 04/30/03
Project ID: 2001-11043 Livingston BM
Sample Name: WELBM41503NMW
Sample Matrix: water
Date Received: 04/22/2003 **Time:** 10:30
Date Sampled: 04/15/2003 **Time:** 13:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/24/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/24/03	8260b	---	0.6	97	99.4	96.8
Ethylbenzene	<1	µg/L	1	<1	04/24/03	8260b	---	3.8	98.5	103.3	103.1
m,p-Xylenes	<1	µg/L	1	<1	04/24/03	8260b	---	2.9	96.1	100.4	103.4
o-Xylene	<1	µg/L	1	<1	04/24/03	8260b	---	2.7	98.5	102.2	104.6
Toluene	<1	µg/L	1	<1	04/24/03	8260b	---	2.5	103	105.5	105.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS inc.

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

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2001-11043 Livingston BM **Sample Name:** WELBM41503NMW	**Report#/Lab ID#:** 141615 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	80-120	---
Toluene-d8	8260b	93.5	88-110	---

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 141616 **Report Date:** 04/28/03
Project ID: 2001-11043 Livingston BM
Sample Name: WELBM41503EMW
Sample Matrix: water
Date Received: 04/22/2003 **Time:** 10:30
Date Sampled: 04/15/2003 **Time:** 13:45

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	---		---		04/24/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	04/24/03	8260b	---	0.6	97	99.4	96.8
Ethylbenzene	<1	µg/L	1	<1	04/24/03	8260b	---	3.8	98.5	103.3	103.1
m,p-Xylenes	<1	µg/L	1	<1	04/24/03	8260b	---	2.9	96.1	100.4	103.4
o-Xylene	<1	µg/L	1	<1	04/24/03	8260b	---	2.7	98.5	102.2	104.6
Toluene	<1	µg/L	1	<1	04/24/03	8260b	---	2.5	103	105.5	105.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043 Livingston BM	**Report#/Lab ID#:** 141616
Attn: Pat McCasland	**Sample Name:** WELBM41503EMW	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	109	80-120	---
Toluene-d8	8260b	95.9	88-110	---

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

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 141617 **Report Date:** 04/28/03
Project ID: 2001-11043 Livingston BM
Sample Name: WELBM41503SMW
Sample Matrix: water
Date Received: 04/22/2003 **Time:** 10:30
Date Sampled: 04/15/2003 **Time:** 14:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/24/03	8260b	---	---	---	---	---
Benzene	2.74	µg/L	1	<1	04/24/03	8260b	---	0.6	97	99.4	96.8
Ethylbenzene	<1	µg/L	1	<1	04/24/03	8260b	---	3.8	98.5	103.3	103.1
m,p-Xylenes	<1	µg/L	1	<1	04/24/03	8260b	---	2.9	96.1	100.4	103.4
o-Xylene	<1	µg/L	1	<1	04/24/03	8260b	---	2.7	98.5	102.2	104.6
Toluene	<1	µg/L	1	<1	04/24/03	8260b	---	2.5	103	105.5	105.8

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Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043 Livingston BM	**Report#/Lab ID#:** 141617
Attn: Pat McCasland	**Sample Name:** WELBM41503SMW	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	---
Toluene-d8	8260b	94.4	88-110	---

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

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 141618 **Report Date:** 04/28/03
Project ID: 2001-11043 Livingston BM
Sample Name: WELBM41503WMW
Sample Matrix: water
Date Received: 04/22/2003 **Time:** 10:30
Date Sampled: 04/15/2003 **Time:** 15:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		04/24/03	8260b	---	---	---	---	---
Benzene	**129**	µg/L	1	<1	04/24/03	8260b	---	0.6	97	99.4	96.8
Ethylbenzene	**36.6**	µg/L	1	<1	04/24/03	8260b	---	3.8	98.5	103.3	103.1
m,p-Xylenes	**3.52**	µg/L	1	<1	04/24/03	8260b	---	2.9	96.1	100.4	103.4
o-Xylene	**2.38**	µg/L	1	<1	04/24/03	8260b	---	2.7	98.5	102.2	104.6
Toluene	**3.54**	µg/L	1	<1	04/24/03	8260b	---	2.5	103	105.5	105.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

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

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2001-11043 Livingston BM **Sample Name:** WELBM41503WMW	**Report#/Lab ID#:** 141618 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	80-120	---
Toluene-d8	8260b	96.4	88-110	---

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

5940

Send Repor To:
Company Name Environmental Plus
Address 2100 Ave O
City Eunice State NM Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Bill to (if diffe !):
Company Name EOTT Energy
Address 5805 Hwy 80
City Midland State TX Zip 79701
ATTN: Frank Hershbarger
Phone 915-638-3799 Fax

4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2001-11043 Livingston BM Sampler: Bradley Blevins

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 418.1	BTEX 8021b							Comments
WELBM41503NMW	4-15-03	12:50	2		X		141614	X	X							
WELBM41503NMW	4-15-03	1:15	2		X		141615	X	X							
WELBM41503EMW	4-15-03	1:45	2		X		141616	X	X							
WELBM41503SMW	4-15-03	2:15	2		X		141617	X	X							
WELBM41503WMW	4-15-03	3:20	2		X		141618	X	X							

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal reporting limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollutants o ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=4.7°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Brad Blevins	EPI	4/15/03		Melanie Humphrey	ASI	4/22/03	1030

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 145083 **Report Date:** 07/23/03
Project ID: 2001-11043
Sample Name: WELBM71403NWMW
Sample Matrix: water
Date Received: 07/18/2003 **Time:** 09:45
Date Sampled: 07/14/2003 **Time:** 08:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		07/23/03	8260b	---	---	---	---	---
Benzene	**185**	µg/L	1	<1	07/23/03	8260b	---	7.3	106.2	103.3	98.2
Ethylbenzene	**35.1**	µg/L	1	<1	07/23/03	8260b	---	2.3	114.6	112.8	110.9
m,p-Xylenes	**29.5**	µg/L	1	<1	07/23/03	8260b	---	4.3	113.5	112.5	110.4
o-Xylene	**8.23**	µg/L	1	<1	07/23/03	8260b	---	4.5	115.4	113.5	111.8
Toluene	<1	µg/L	1	<1	07/23/03	8260b	---	7.5	112.3	102.6	99.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 145083
Attn: Pat McCasland	**Sample Name:** WELBM71403NWMW	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	80-120	---
Toluene-d8	8260b	109	88-110	---

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 145084 **Report Date:** 07/23/03
Project ID: 2001-11043
Sample Name: WELBM71403NMW
Sample Matrix: water
Date Received: 07/18/2003 **Time:** 09:45
Date Sampled: 07/14/2003 **Time:** 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		07/21/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	07/21/03	8260b	---	15.7	95.8	97	95.7
Ethylbenzene	<1	µg/L	1	<1	07/21/03	8260b	---	1.4	112.5	111.8	116.2
m,p-Xylenes	<1	µg/L	1	<1	07/21/03	8260b	---	0	114.1	110	116
o-Xylene	<1	µg/L	1	<1	07/21/03	8260b	---	0.6	117.1	113	118.5
Toluene	<1	µg/L	1	<1	07/21/03	8260b	---	10.8	129.5	100.7	99

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 145084
Attn: Pat McCasland	**Sample Name:** WELBM71403NMW	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	85.8	80-120	---
Toluene-d8	8260b	107	88-110	---

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 145085 **Report Date:** 07/23/03
Project ID: 2001-11043
Sample Name: WELBM71403EMW
Sample Matrix: water
Date Received: 07/18/2003 **Time:** 09:45
Date Sampled: 07/14/2003 **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	---		---		07/21/03	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	07/21/03	8260b	---	15.7	95.8	97	95.7
Ethylbenzene	<1	µg/L	1	<1	07/21/03	8260b	---	1.4	112.5	111.8	116.2
m,p-Xylenes	<1	µg/L	1	<1	07/21/03	8260b	---	0	114.1	110	116
o-Xylene	<1	µg/L	1	<1	07/21/03	8260b	---	0.6	117.1	113	118.5
Toluene	<1	µg/L	1	<1	07/21/03	8260b	---	10.8	129.5	100.7	99

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 145085
Attn: Pat McCasland	**Sample Name:** WELBM71403EMW	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.5	80-120	---
Toluene-d8	8260b	109	88-110	---

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 145086 **Report Date:** 07/23/03
Project ID: 2001-11043
Sample Name: WELBM71403SMW
Sample Matrix: water
Date Received: 07/18/2003 **Time:** 09:45
Date Sampled: 07/14/2003 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		07/21/03	8260b	---	---	---	---	---
Benzene	2.54	µg/L	1	<1	07/21/03	8260b	---	15.7	95.8	97	95.7
Ethylbenzene	<1	µg/L	1	<1	07/21/03	8260b	---	1.4	112.5	111.8	116.2
m,p-Xylenes	<1	µg/L	1	<1	07/21/03	8260b	---	0	114.1	110	116
o-Xylene	<1	µg/L	1	<1	07/21/03	8260b	---	0.6	117.1	113	118.5
Toluene	<1	µg/L	1	<1	07/21/03	8260b	---	10.8	129.5	100.7	99

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Richard Laster

Richard Laster

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 145086
Attn: Pat McCasland	**Sample Name:** WELBM71403SMW	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.3	80-120	---
Toluene-d8	8260b	108	88-110	---

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

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

Report#/Lab ID#: 145087 **Report Date:** 07/23/03
Project ID: 2001-11043
Sample Name: WELBM71403WMW
Sample Matrix: water
Date Received: 07/18/2003 **Time:** 09:45
Date Sampled: 07/14/2003 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		07/21/03	8260b	---	---	---	---	---
Benzene	**81.4**	µg/L	1	<1	07/21/03	8260b	---	15.7	95.8	97	95.7
Ethylbenzene	**34.4**	µg/L	1	<1	07/21/03	8260b	---	1.4	112.5	111.8	116.2
m,p-Xylenes	**1.41**	µg/L	1	<1	07/21/03	8260b	---	0	114.1	110	116
o-Xylene	<1	µg/L	1	<1	07/21/03	8260b	---	0.6	117.1	113	118.5
Toluene	<1	µg/L	1	<1	07/21/03	8260b	---	10.8	129.5	100.7	99

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

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Richard Laster

Richard Laster

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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.	**Project ID:** 2001-11043	**Report#/Lab ID#:** 145087
Attn: Pat McCasland	**Sample Name:** WELBM71403WMW	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.7	80-120	---
Toluene-d8	8260b	109	88-110	---

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

4499

4221 Freidrich Lane, Suite 190, Austin, TX 78744
(512) 444-5896

Send Repor[illegible] 'o:
Company Name Environmental Plus
Address 2100 Ave O
City Eunice State N.M Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601
Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2001-11043 Sampler: Bradley Bl[illegible]

Bill to (if differ[illegible]):
Company Name Enron Energy
Address 5805 Hwy 80
City Midland State Tx Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

Analyses Requested (1)
Please attach explanatory information as required

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	Btex 8021								Comments
WELBM71403NWMW	7-14-03	8:00	2		X		145083	X								
WELBM71403NMW	7-14-03	9:00	2		X		145084	X								
WELBM71403EMW	7-14-03	10:00	2		X		145085	X								
WELBM71403SMW	7-14-03	11:00	2		X		145086	X								
WELBM71403WMW	7-14-03	12:00	2		X		145087	X								

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T=5.2°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Bl[illegible]	Environmental Plus	7-14-03		Melanie Humphrey	ASI	7/18/03	0945

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]