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REPORTS

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PLAINS
ALL AMERICAN
PIPELINE, L.P.

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2005 ANNUAL MONITORING REPORT

PLAINS PIPELINE, L.P.

LIVINGSTON RIDGE TO HUGH - P. SIMS
PLAINS REF: 2001-11005
(COMPANY #231735)

NW¼ OF THE SE¼ 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' 12.27" LONGITUDE: W103° 08' 54.81"

MARCH 2006
PREPARED BY:

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Plains Pipeline, L.P. – Livingston Ridge to Hugh P. Sims
(Plains Ref.: 2001-11005; Company # 231735)

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PLAINS ALL AMERICAN

STANDARD OF CARE

Annual Monitoring Report

Livingston Ridge to Hugh – P. Sims
Ref. # 2001-11005

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

This report was prepared by:

Jason Stegemoller

7 March 2006

Jason Stegemoller, M.S.
Environmental Scientist

Date

This report was reviewed by:

Iain A. Olness

7 March 2006

Iain A. Olness, P.G.
Hydrogeologist

Date

TABLE OF CONTENTS

FIGURES

FIGURES (continued)

TABLES

APPENDIX

I. Background

The "Livingston Line to Hugh P. Sims" (2001-11005) 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 northwest quarter of the southeast 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.

A release of six (6) barrels of crude oil was reported to the New Mexico Oil Conservation Division (NMOCD) on June 22, 2001, with no recovery of oil. Initial excavation activities were conducted by Environmental Plus, Inc. (EPI) to stockpile the saturated soil and expose the leak origin in order to repair the pipeline. Once the pipeline was repaired, excavation activities continued during July 2001. A total of 148 cubic yards of hydrocarbon-impacted soil were excavated at the site and transported to EPI's landfarm south of Eunice, New Mexico. However, due to excavation safety issues involved with continued excavation, a groundwater monitoring well (TMW-1) was installed in the bottom of the excavation. Phase-separated hydrocarbons (PSH) were detected on the groundwater surface and the NMOCD and landowner were immediately notified of the release. EPI installed three additional groundwater monitoring wells at the site to delineate the extent and magnitude of the release and determine the groundwater gradient.

Environmental Technology Group, Inc. (ETGI) assumed control of remedial activities in August 2002 and installed twelve (12) additional groundwater monitoring wells at the site. These wells were installed to complete the delineation activities initiated by EPI. Initial analytical results indicated the contaminant plume was expanding slowly in a southeasterly direction; however, the groundwater monitoring well network had adequately delineated the dissolved phase and phase-separated hydrocarbons underlying the site.

The groundwater monitoring well network has been sampled on a quarterly basis since the wells were installed (reference *Tables 2* and *3*) and recovery of PSH has been conducted on a regular basis (i.e., once every week or every two weeks).

II. Field Activities

Groundwater monitoring wells MW-2, MW-9, MW-11, MW-12, MW-13 and MW-14 were sampled on March 22, 2005 and MW-9, MW-11, MW-12, MW-13 and MW-14 were sampled on May 17, 2005. On August 15, 2005, the groundwater monitoring well network (with the exception of MW-1, MW-5 and TMW-1) were sampled. On November 18, 2005, groundwater monitoring wells MW-1, MW-4, MW-5, MW-9, MW-11, MW-12, MW-13, MW-14 and TMW-1 were sampled.

In addition to the groundwater sampling events, site visits were made on January 3, January 18, February 1, February 22, April 21, May 5, May 17, June 22, July 20, August 15, August 31, September 14, September 28, November 9, November 18, November 30 and December 28, 2005. The site visits entailed gauging water levels from the groundwater monitoring well network and recovering PSH if present.

Based on recommendations from the NMOCD, a more aggressive PSH recovery technique was implemented. Beginning in June 2005, each gauging event at TMW-1 was accompanied by the collection of approximately 300 gallons of impacted water. Between June 15 and November 30, 2005, approximately 5,320 gallons of impacted water was collected and disposed of at Sundance Services Inc.

III. Groundwater Gradient and PSH Thickness

Monitoring wells were gauged prior to bailing to determine the depth to groundwater and, if present, the thickness of PSH. Measurements of groundwater levels during the past year indicate water levels have risen approximately 2.4 feet during 2004 (reference *Figures 20* through *23*). PSH levels in the impacted monitoring wells have fluctuated during the past year, with thicknesses ranging from non-detectable (ND) to 1.07 feet and average PSH thickness of 0.36 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 south-southeast (reference *Figures 24, 26, 28* and *30*).

IV. PSH Recovery

Recovery of PSH was accomplished utilizing disposable bailers during the site visits. EPI recovered approximately one gallon of PSH from groundwater monitoring well TMW-1 in 2005. PSH were only detected in groundwater monitoring well TMW-1 during the gauging events of 2005. At present, a total of approximately 155 gallons of PSH have been recovered since 2002.

V. Groundwater Sampling

Groundwater monitoring wells MW-2, MW-9, MW-11, MW-12, MW-13 and MW-14 were sampled on March 22, 2005 and MW-9, MW-11, MW-12, MW-13 and MW-14 were sampled on May 17, 2005. On August 15, 2005, the groundwater monitoring well network (with the exception of MW-1, MW-5 and TMW-1) were sampled. On November 18, 2005, groundwater monitoring wells MW-1, MW-4, MW-5, MW-9, MW-11, MW-12, MW-13, MW-14 and TMW-1 were sampled.

Groundwater samples collected on March 22 were submitted to an independent laboratory for the quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX) and poly-aromatic hydrocarbons (PAHs). Groundwater samples collected on May 17, August 15 and November 18, 2005 were submitted to an independent laboratory for quantification of BTEX.

The wells were purged a minimum of three well volumes or dry and samples collected utilizing dedicated or disposable sample bailers and placed in laboratory provided containers. 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 sample collected from groundwater monitoring well MW-1 on November 18, 2005 indicated a benzene concentration of 0.104 mg/L, in excess of the New

Mexico Water Quality Control Commission (NMWQCC) groundwater standard of 0.01 mg/L. Toluene concentration was reported as non-detectable (ND) at or above laboratory method detection limits (MDL). Ethylbenzene concentration was reported at 0.0328 mg/L, below the NMWQCC groundwater standard of 0.75 mg/L. Total xylene concentration was reported at 0.0421 mg/L, below the NMWQCC groundwater standard of 0.62 mg/L.

Analytical results for the sample collected from groundwater monitoring well MW-2 on March 22, 2005 indicated PAH concentrations were ND at or above laboratory MDL. Analytical results for the sample collected on August 15, 2005 indicated benzene, toluene, ethylbenzene and total xylenes (BTEX) concentrations were ND at or above laboratory MDL.

Analytical results for the sample collected from groundwater monitoring well MW-3 on August 15, 2005, indicated a benzene concentration of 0.00976 mg/L, below the NMWQCC groundwater standard of 0.01 mg/L. Toluene concentration was reported at 0.00189 mg/L, below the NMWQCC groundwater standard of 0.75 mg/L. Ethylbenzene and total xylene concentrations were reported as ND at or above laboratory MDL.

Analytical results for the samples collected from groundwater monitoring well MW-4 on August 15 and November 18, 2005 indicated benzene concentrations ranged from 0.00375 to 0.103 mg/L. Toluene concentrations were reported as ND at or above laboratory MDL. Ethylbenzene concentrations were reported to range from 0.020 to 0.091 mg/L, below the NMWQCC groundwater standard of 0.75 mg/L. Total xylene concentrations were reported to range from 0.00496 to 0.073 mg/L, below the NMWQCC groundwater standard of 0.62 mg/L. Benzene concentrations in the final sampling event of 2005 (i.e., November 18) were in excess of the NMWQCC groundwater standards of 0.01 mg/L.

Analytical results for the sample collected from groundwater monitoring well MW-5 on November 18, 2005 indicated a benzene concentration of 0.086 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L. Toluene concentration was reported as ND at or above laboratory MDL. Ethylbenzene concentration was reported at 0.0448 mg/L, below the NMWQCC groundwater standard of 0.75 mg/L. Total xylene concentration was reported at 0.0574 mg/L, below the NMWQCC groundwater standard of 0.62 mg/L.

Analytical results for the sample collected from groundwater monitoring wells MW-6 and MW-8 on August 15, 2005 indicated BTEX constituent concentrations were ND at or above laboratory MDL.

Analytical results for the sample collected from groundwater monitoring well MW-7 on August 15, 2005 indicated a benzene concentration of 0.0059 mg/L, below the NMWQCC groundwater standard of 0.01 mg/L. Toluene, ethylbenzene and total xylene concentrations were reported as ND at or above laboratory MDL.

Analytical results for the samples collected from groundwater monitoring well MW-9 on March 22, 2005 indicated total PAH concentrations were 0.00686 mg/L. Analytical results for samples collected on March 22 and May 17, 2005 indicated benzene concentrations ranged from 0.015 to 0.004 mg/L. Toluene, ethylbenzene and total xylene concentrations were ND at or above laboratory MDL. Analytical results for the samples collected on August 15 and November 18, 2005 indicated BTEX constituent concentrations were ND at or above laboratory MDL.

Analytical results for the samples collected on August 15, 2005 from groundwater monitoring well MW-10 indicated a benzene concentration of 0.0251 mg/L, in excess of the NMWQCC groundwater standards of 0.01 mg/L. Toluene concentration was reported at 0.0106 mg/L, below the NMWQCC groundwater standards of 0.75 mg/L. Ethylbenzene concentrations was reported at 0.00197 mg/L, below the NMWQCC groundwater standard of 0.75 mg/L. Total xylene concentration was reported at 0.00333 mg/L, below the NMWQCC groundwater standard of 0.62 mg/L.

Analytical results for the samples collected from groundwater monitoring well MW-11 on March 22, 2005 indicated total PAH concentrations were .00217 mg/L, all analyte concentrations were below each analytes respective NMWQCC groundwater standard. Analytical results of groundwater samples collected during the first three sampling events (i.e., March 22, May 17 and August 15, 2005) indicated benzene concentrations ranged from 0.0127 to 0.0263 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L. Benzene concentration in the sample collected during the final sampling event (i.e., November 18, 2005) was 0.00922 mg/L, below the NMWQCC groundwater standard of 0.01 mg/L. Toluene concentrations for all sampling events were reported as ND at or above laboratory MDL for all sampling events. Analytical results for all sampling events indicated ethylbenzene concentrations ranged from ND to 0.00353 mg/L, below the NMWQCC groundwater standard of 0.75 mg/L.

Analytical results for the samples collected from groundwater monitoring well MW-12 on March 22, 2005 indicated total PAH concentrations were 0.00659 mg/L, all analyte concentrations were below each analytes respective NMWQCC groundwater standard. Analytical results of groundwater samples collected during the initial two sampling events of 2005 (i.e. March 22 and May 17) indicated benzene concentrations ranged from 0.00103 to 0.00545 mg/L, below the NMWQCC groundwater standard of 0.01 mg/L. Benzene concentrations in the samples collected during the final sampling events were reported as ND at or above laboratory MDL. Toluene concentrations were reported as ND at or above laboratory MDL for all sampling events. Ethylbenzene concentrations were reported to range from 0.00366 mg/L during the first sampling event (i.e., March 22) to ND at or above the laboratory MDL for the remaining sampling events (i.e., May 17, August 15 and November 18). Total xylene concentrations were reported as ND at or above laboratory MDL for all sampling events.

Analytical results for the samples collected from groundwater monitoring well MW-13 on March 22, 2005 indicated total PAH concentrations were 0.00172 mg/L, all analyte concentrations were below each analytes respective NMWQCC groundwater standard. Analytical results of groundwater samples during the initial sampling events (i.e., March 22 and May 17) indicated benzene concentrations ranged from 0.18 to 0.0758 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L. Benzene concentrations in the samples collected during the final sampling events of 2005 (i.e., August 15 and November 18) were reported to range from 0.00668 to 0.00134 mg/L, below the NMWQCC groundwater standard of 0.01 mg/L. Toluene concentrations were reported as ND at or above laboratory MDL for all sampling events. Ethylbenzene concentrations were reported to range from 0.00121 to 0.00239 mg/L, below the NMWQCC groundwater standard of 0.75 mg/L. Total xylene concentrations were reported as ND at or above laboratory MDL for all sampling events.

Analytical results for the sample collected from groundwater monitoring well MW-14 on March 22, 2005 indicated total PAH concentrations were ND at or above laboratory MDL. Analytical results for all sampling events indicated benzene concentrations ranged from ND to 0.00906 mg/L, below the NMWQCC groundwater standard of 0.01 mg/L. Toluene, ethylbenzene and total xylene concentrations were reported as ND at or above laboratory MDL for all sampling events.

Analytical results for the samples collected from groundwater monitoring well MW-15 on August 15, 2005 indicated a benzene concentration of 0.137 mg/L, above the NMWQCC groundwater standard of 0.01 mg/L. Toluene and ethylbenzene concentrations were reported as ND at or above laboratory MDL. Total xylene concentration was reported at 0.019 mg/L, below the NMWQCC groundwater standard of 0.62 mg/L.

Analytical results for the samples collected from groundwater monitoring well TMW-1 on November 18, 2005 indicated a benzene concentration of 1.86 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L. Toluene concentration was reported as ND at or above laboratory MDL. Ethylbenzene concentration was reported at 1.06 mg/L, in excess of the NMWQCC groundwater standard of 0.75 mg/L. Total xylene concentration was reported as 2.15 mg/L, in excess of the NMWQCC groundwater standard of 0.62 mg/L.

A summary of groundwater analytical results is included as Tables 2 and 3 and copies of the analytical results for groundwater samples collected during 2005 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) Continue to monitor the select groundwater monitoring wells on a semi-monthly basis and recover PSH from the impacted groundwater monitoring well(s) and gauge the wells monthly to determine the depth to groundwater and PSH, if present.

2) Pump water from TMW-1 on a semi-month basis and recover PSH, if present.

3) Continue to sample the groundwater monitoring well network on a quarterly basis and submit the samples for quantification of BTEX. Please reference Table 4 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 containing PSH, these wells will be included in the quarterly sampling event.

4) Samples collected from groundwater monitoring wells MW-1, MW-2, MW-4, MW-5, MW-9, MW-11, MW-12, MW-13, MW-14 and MW-15 should be analyzed for the presence of PAHs annually.

5) It is recommended that groundwater monitoring wells MW-2 and MW-3 be plugged and abandoned.

FIGURES

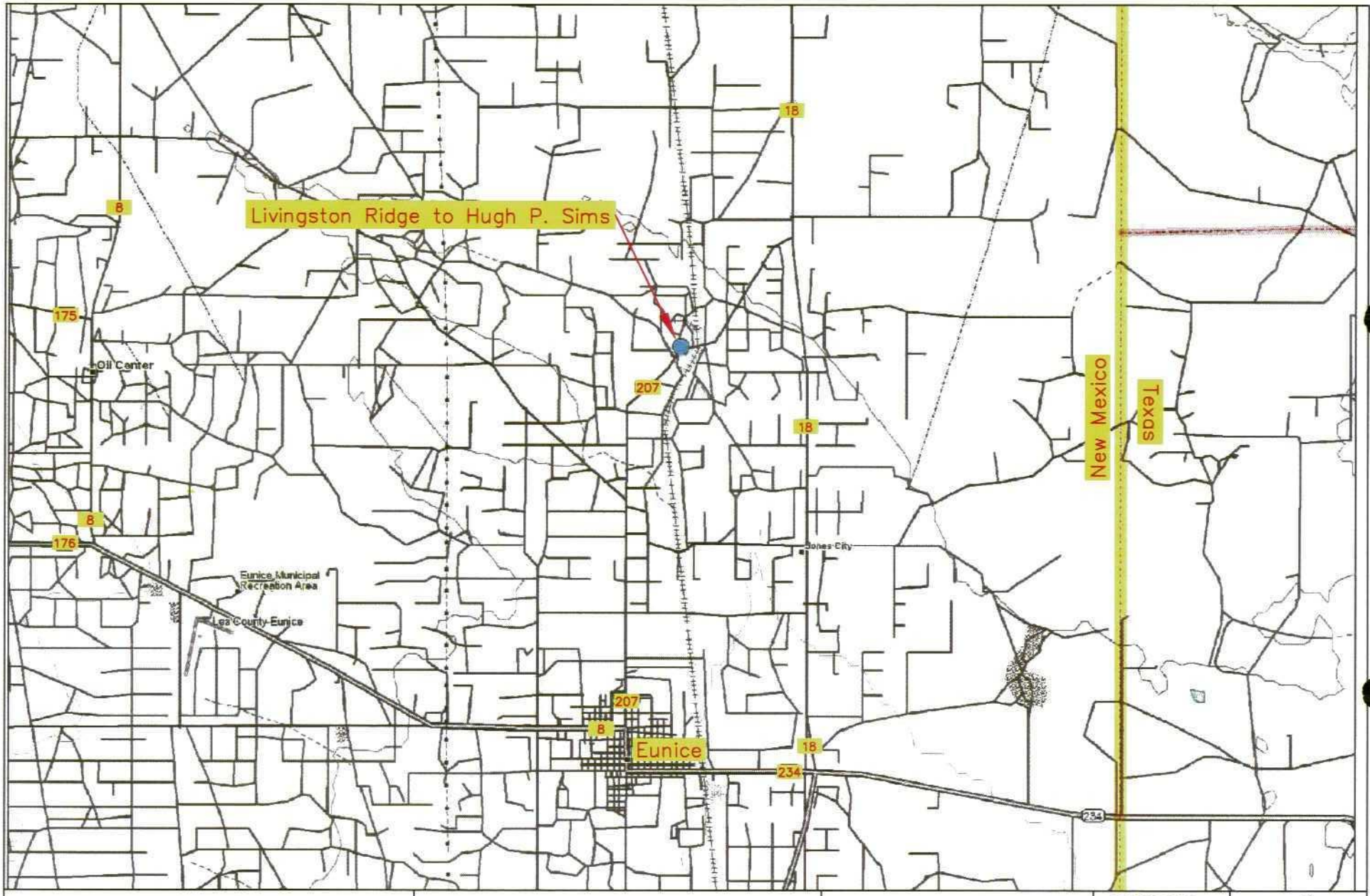

Figure 1 Area Map Plains All American Pipeline, LP Livingston Ridge to Hugh – P. Sims	Lea County, New Mexico NW 1/4 of the SE 1/4, Sec. 3, T21S, R37E N 32° 30' 12.3" W 103° 08' 54.8" Elevation: 3,423 feet amsl	DWG By: Iain Olness February 2005	REVISED:
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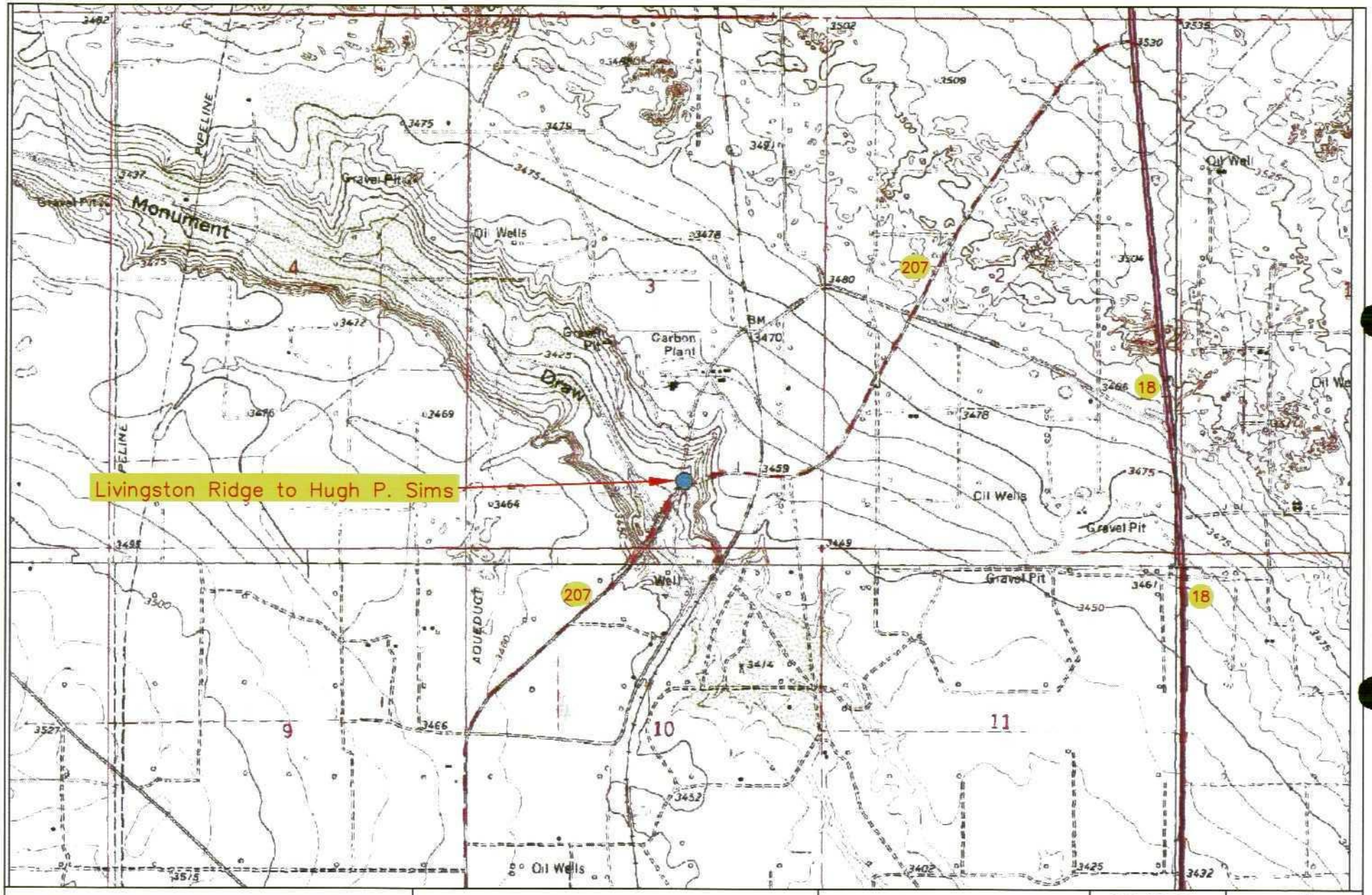


Figure 2 Site Location Map Plains All American Pipeline, LP Livingston Ridge to Hugh – P. Sims	Lea County, New Mexico NW 1/4 of the SE 1/4, Sec. 3, T21S, R37E N 32° 30' 12.3" W 103° 08' 54.8" Elevation: 3,423 feet amsl	DWG By: Iain Olness February 2005	REVISED:
		0 2,000 4,000 Feet	SHEET 1 of 1
			N

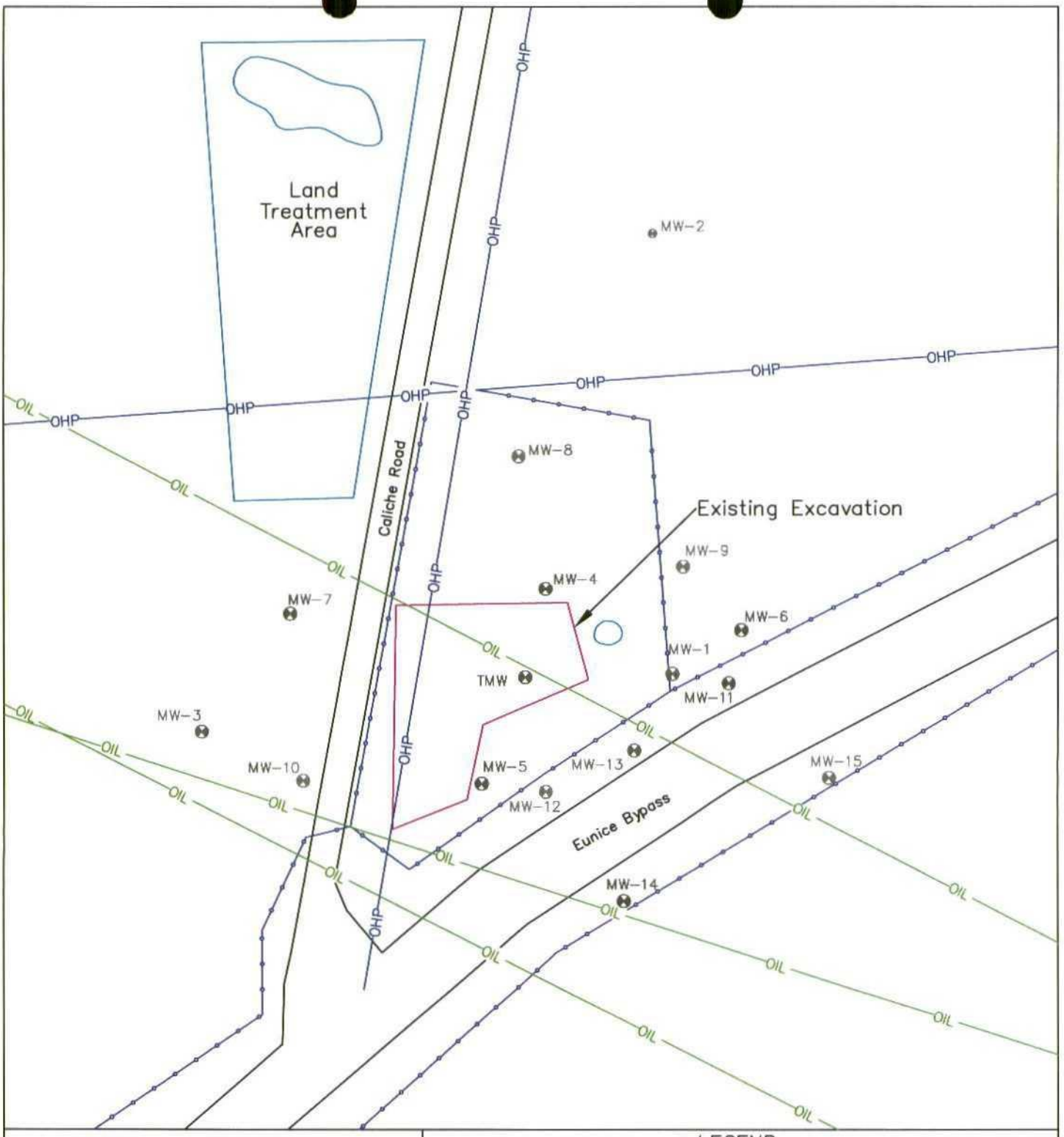


Figure 3
Site Map
Link Energy, LLC
Livingston Ridge to Hugh – P. Sims

LEGEND

Fence

OIL — Oil Pipeline

Monitoring Well

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
September 2004

REVISED
Feb. 2005

0 75 150
Feet

SHEET
1 of 1

N

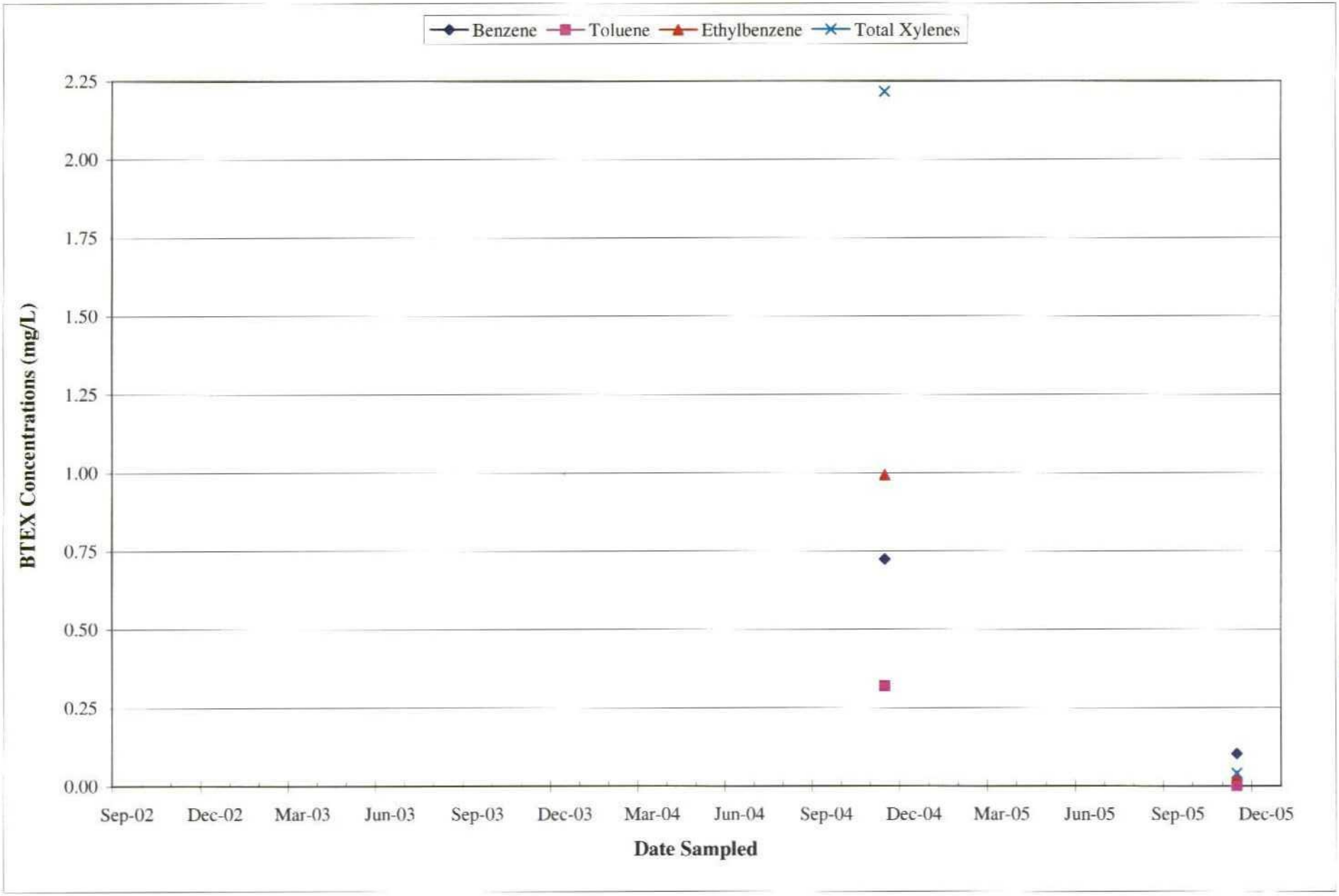


Figure 4: BTEX Concentrations in Groundwater Monitoring Well MW-1 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

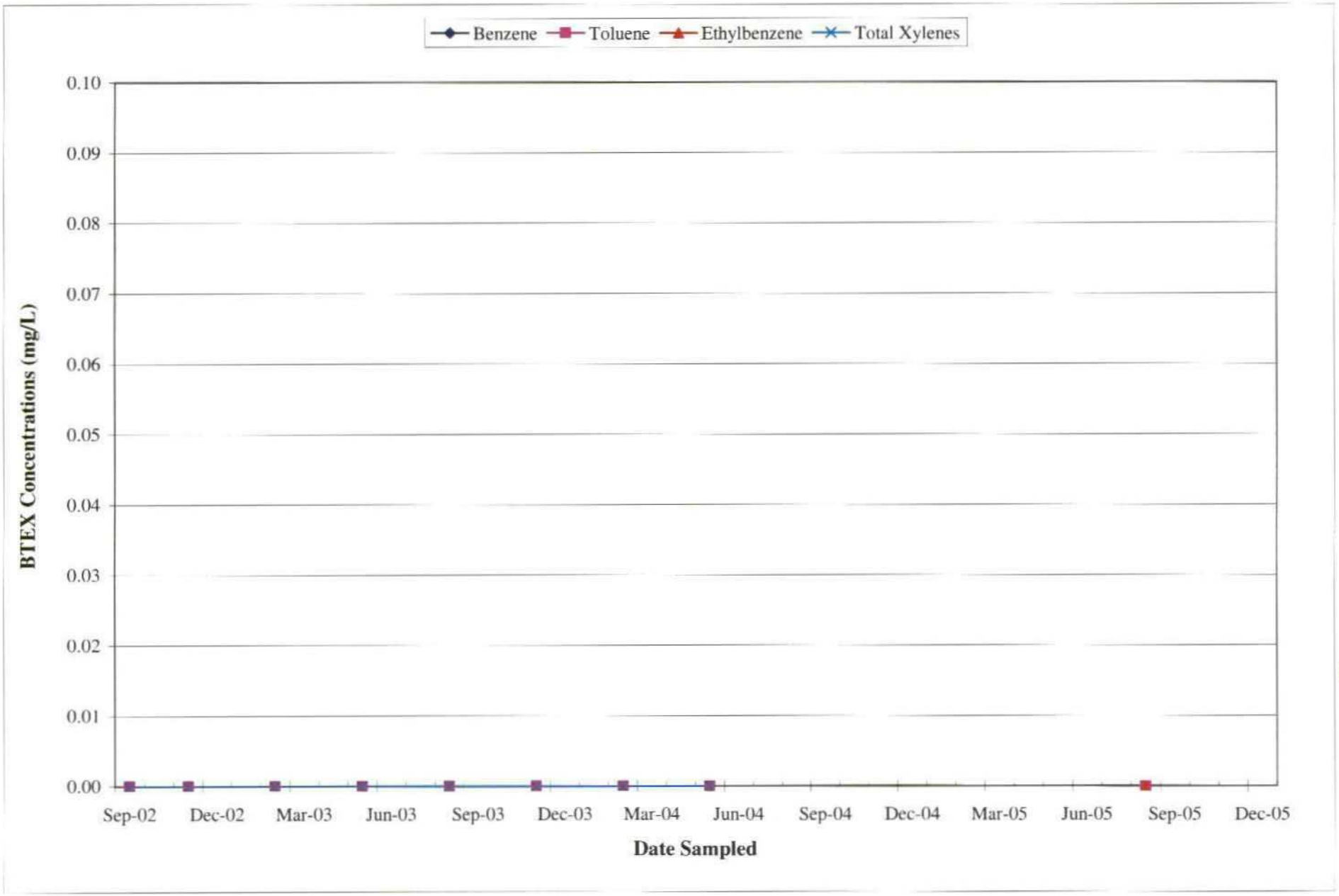


Figure 5: BTEX Concentrations in Groundwater Monitoring Well MW-2 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

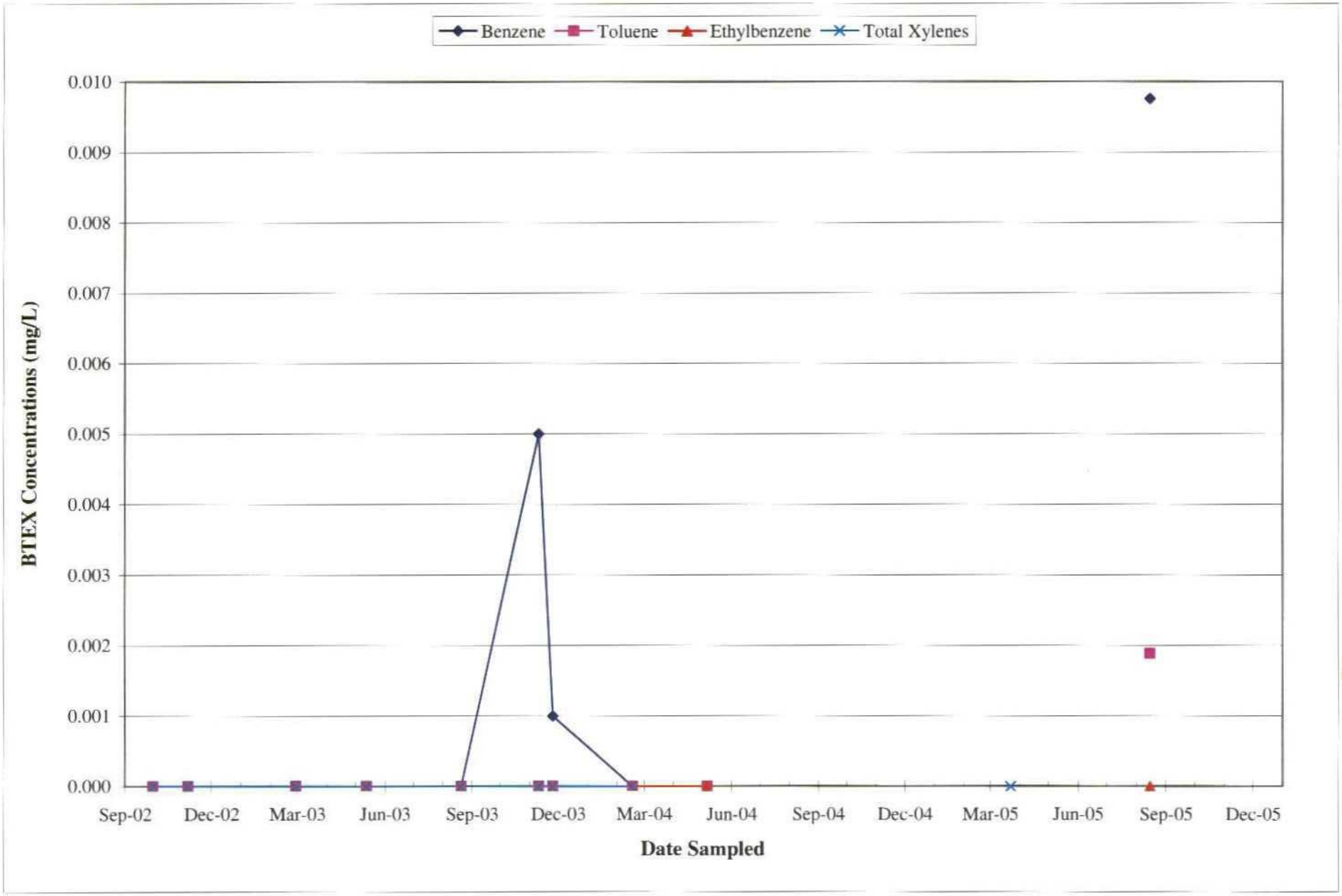


Figure 6: BTEX Concentrations in Groundwater Monitoring Well MW-3 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

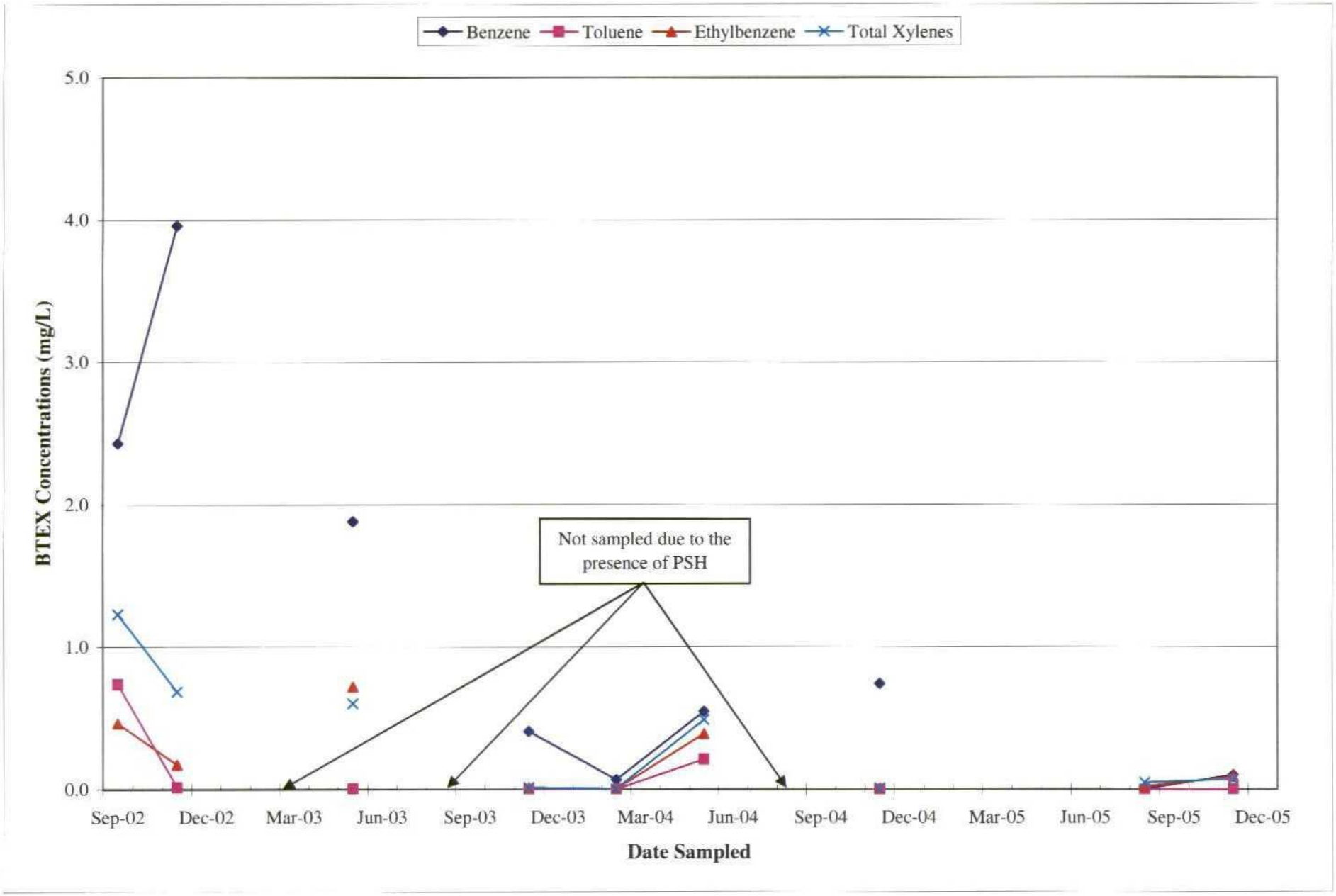


Figure 7: BTEX Concentrations in Groundwater Monitoring Well MW-4 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

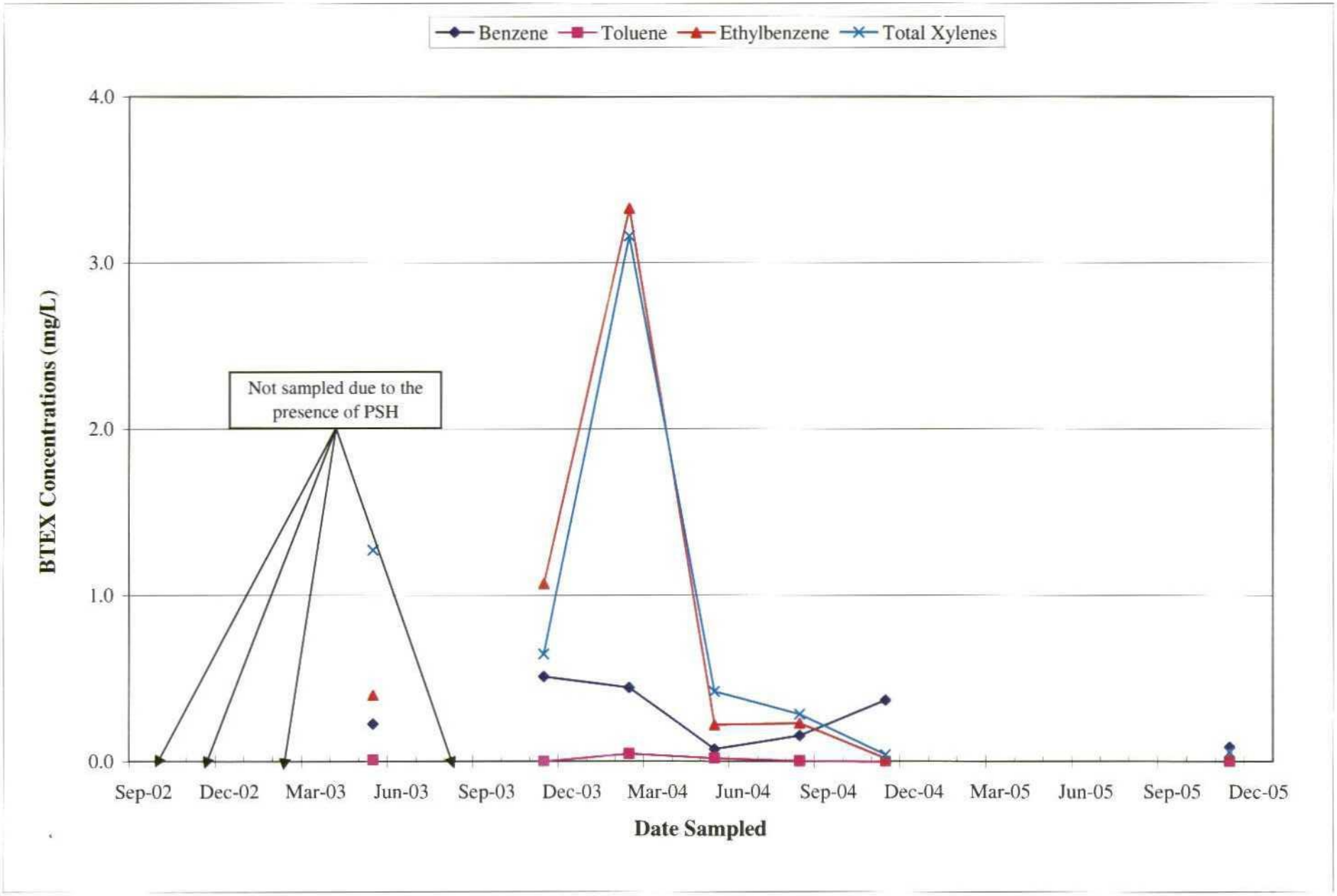


Figure 8: BTEX Concentrations in Groundwater Monitoring Well MW-5 from 09/30/02 through 12/31/04, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

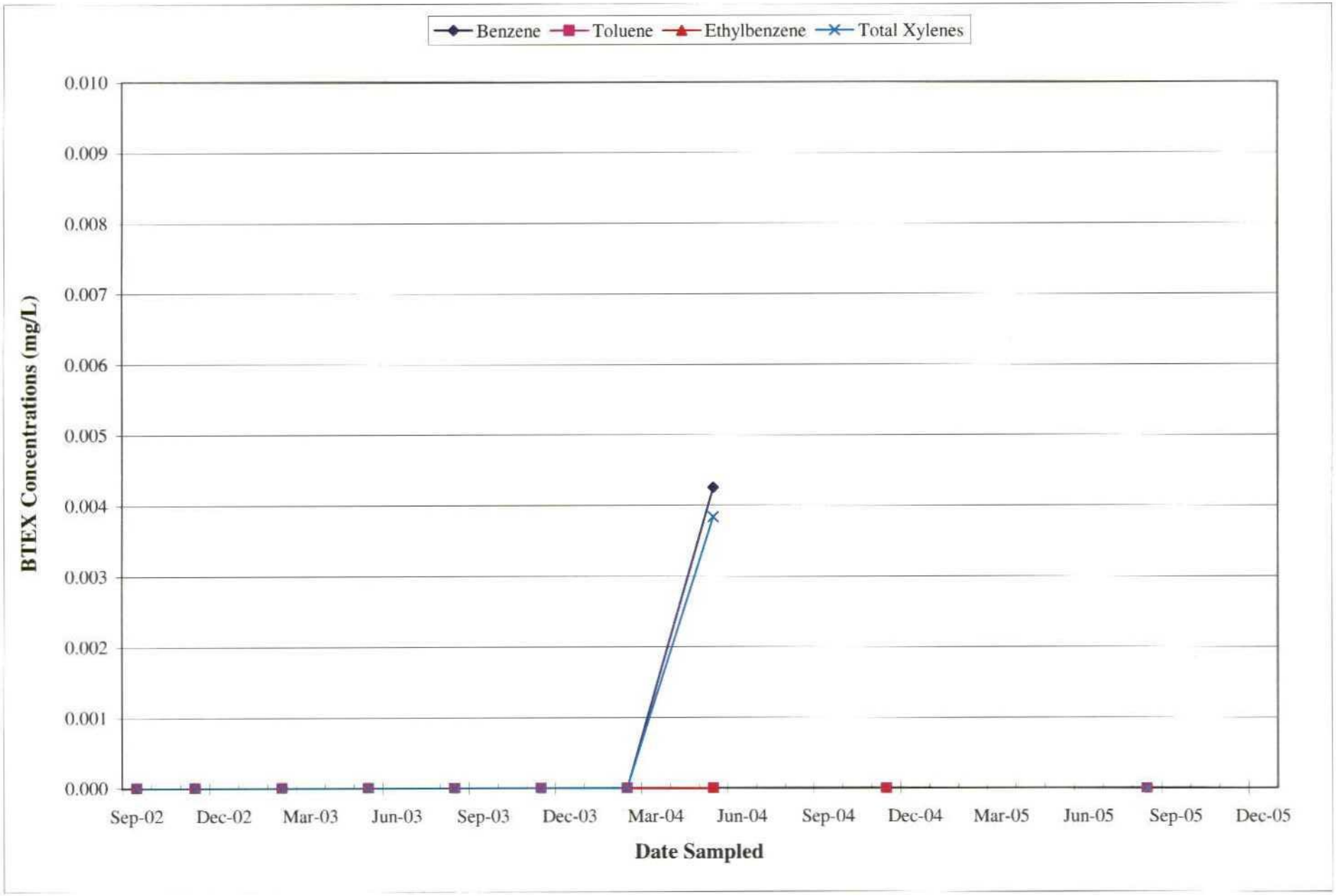


Figure 9: BTEX Concentrations in Groundwater Monitoring Well MW-6 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

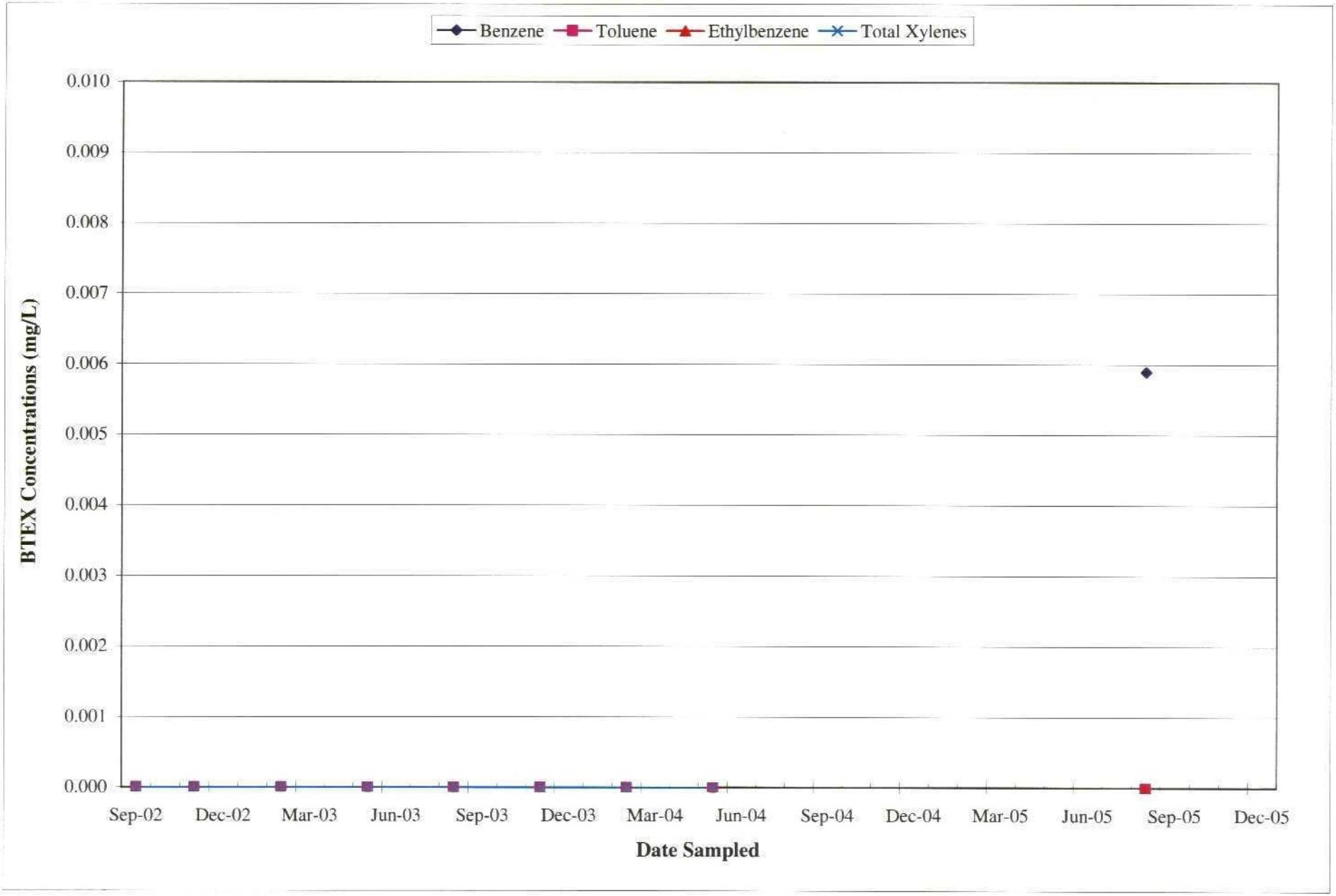


Figure 10: BTEX Concentrations in Groundwater Monitoring Well MW-7 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

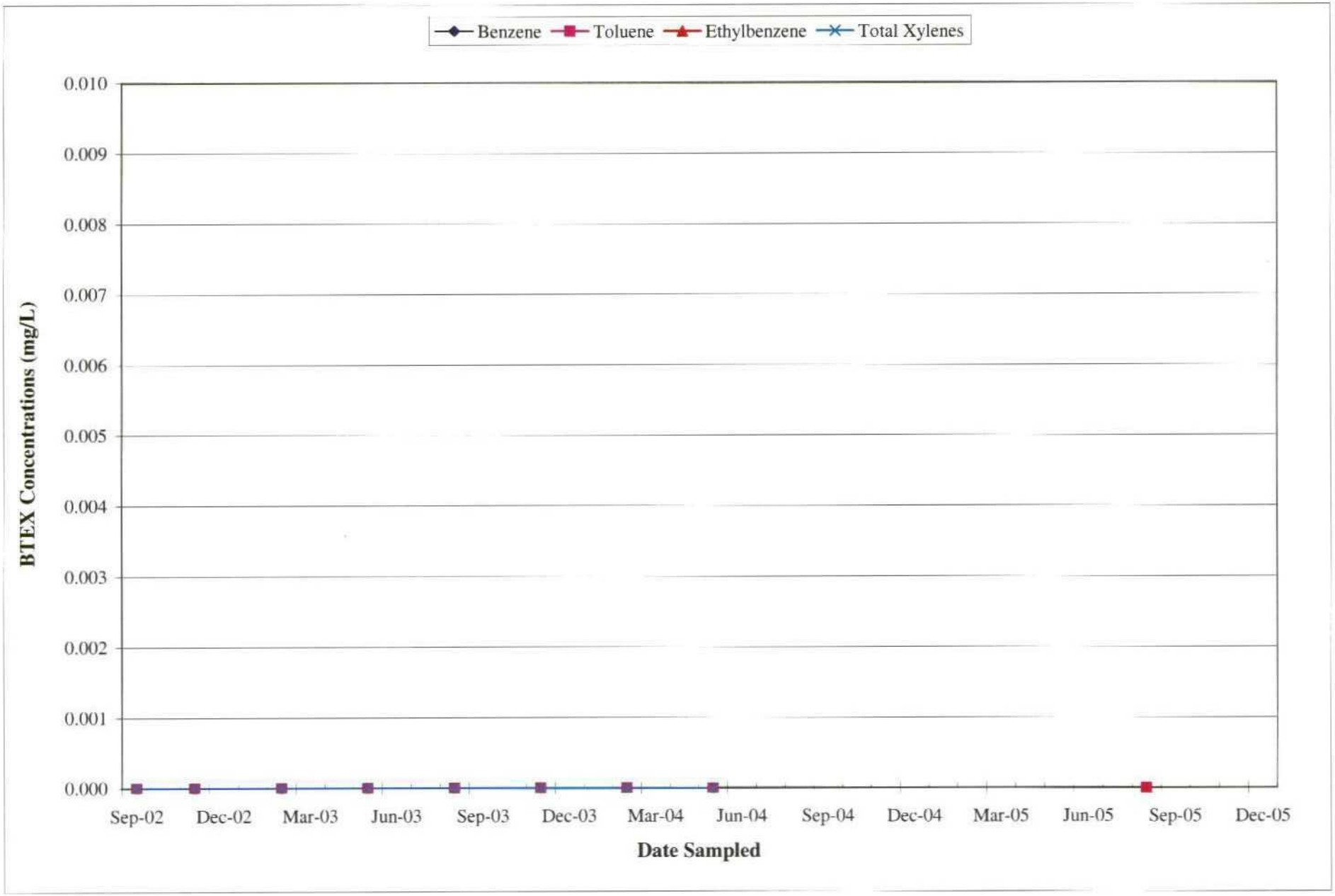


Figure 11: BTEX Concentrations in Groundwater Monitoring Well MW-8 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

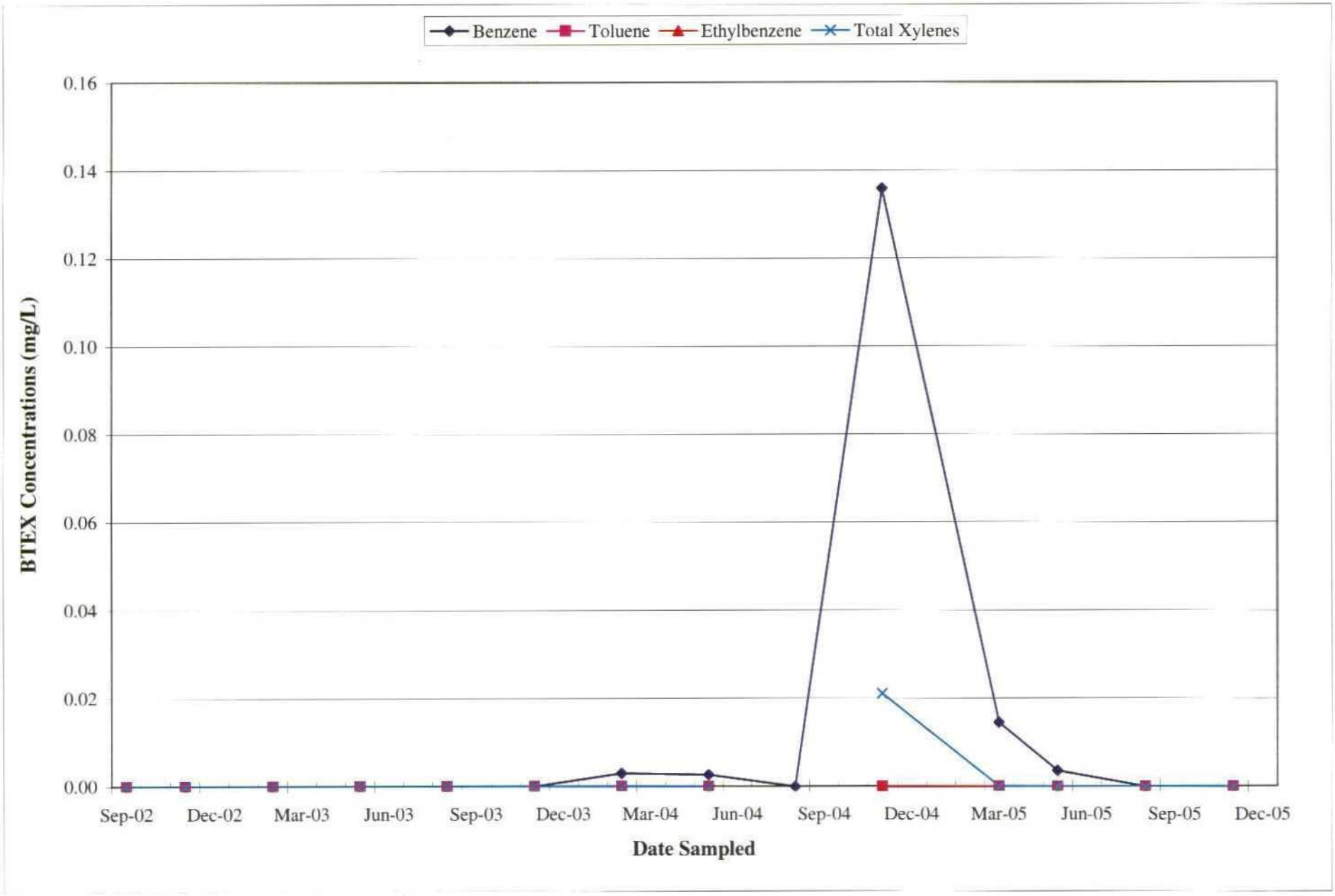


Figure 12: BTEX Concentrations in Groundwater Monitoring Well MW-9 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

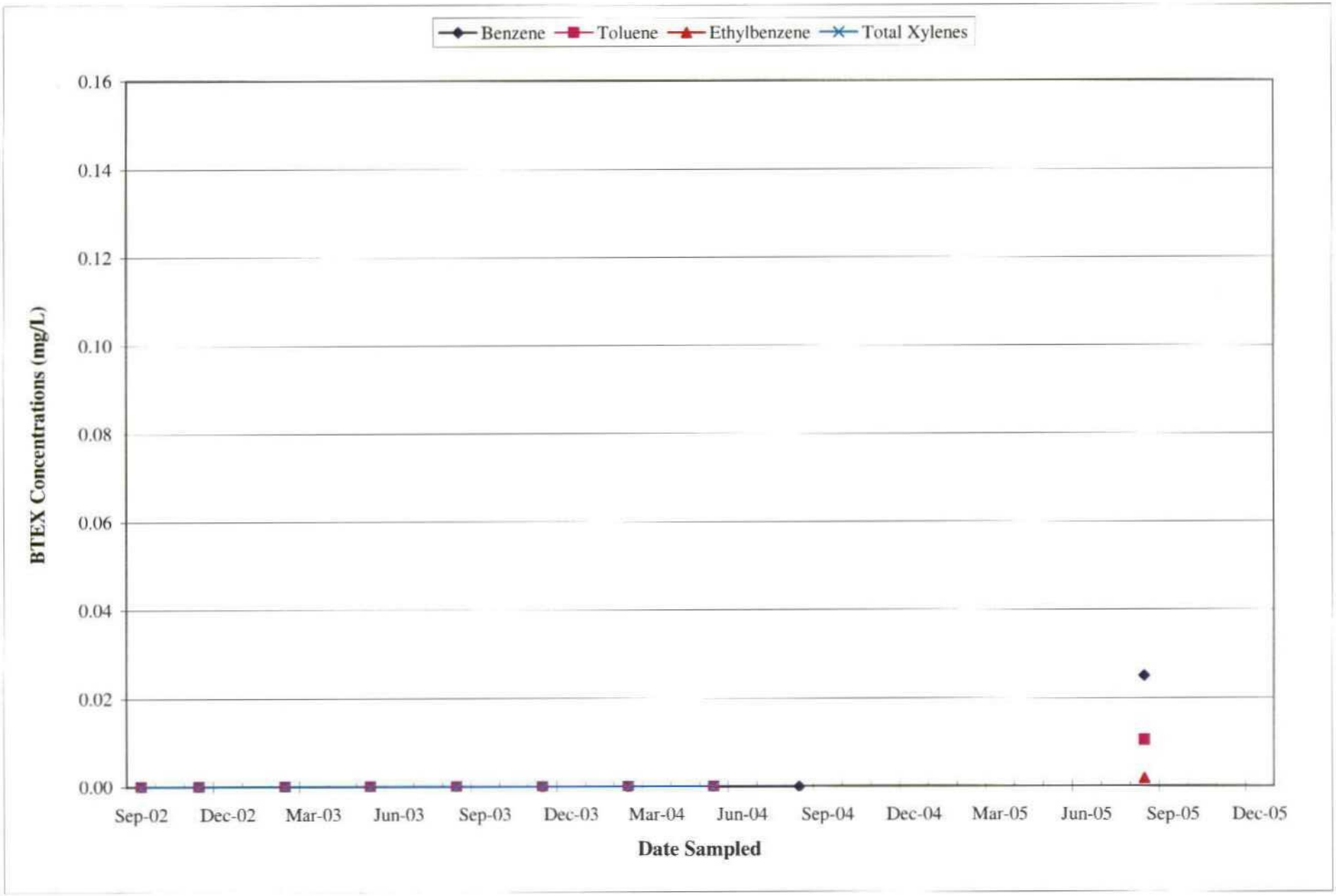


Figure 13: BTEX Concentrations in Groundwater Monitoring Well MW-10 from 09/30/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

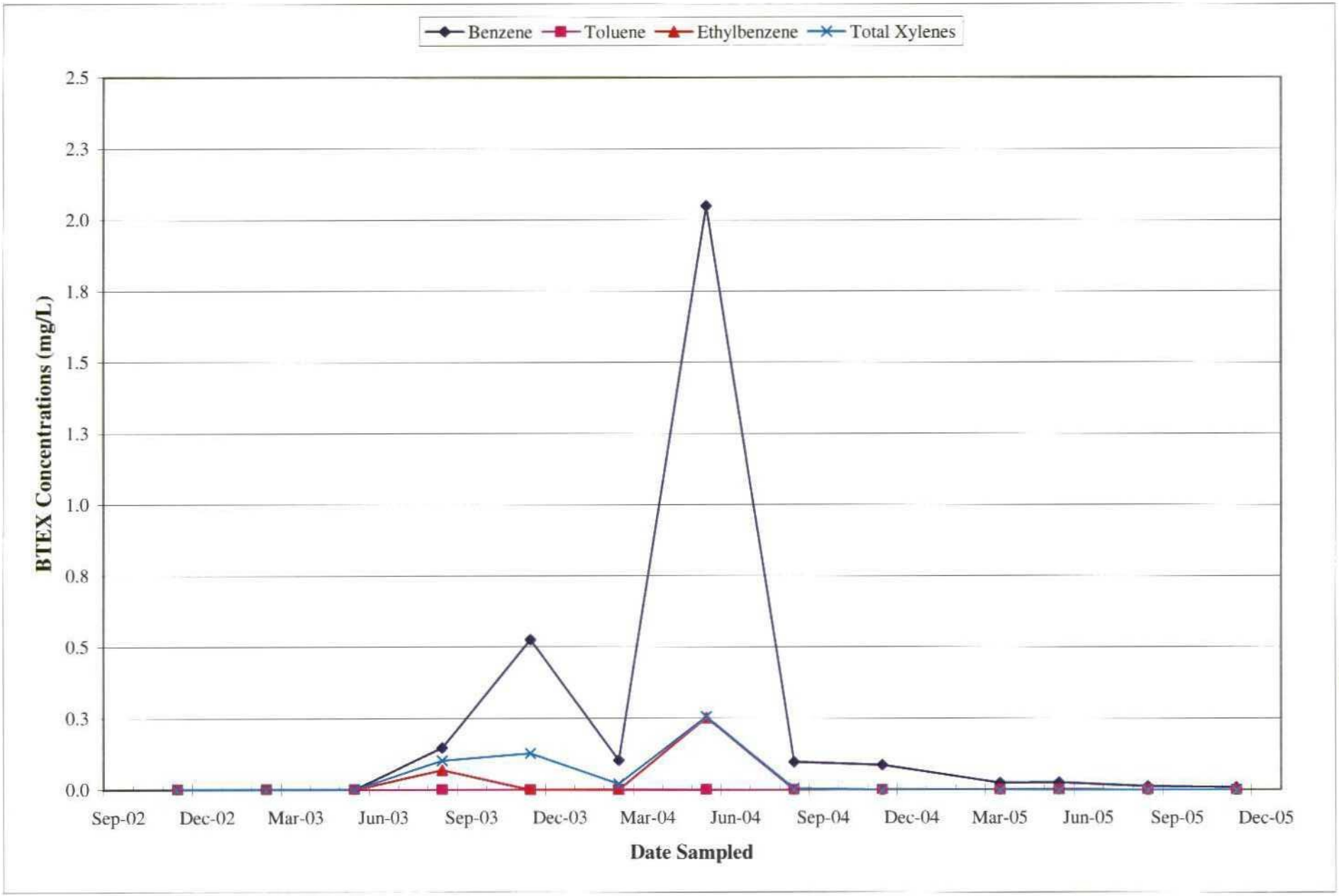


Figure 14: BTEX Concentrations in Groundwater Monitoring Well MW-11 from 11/06/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

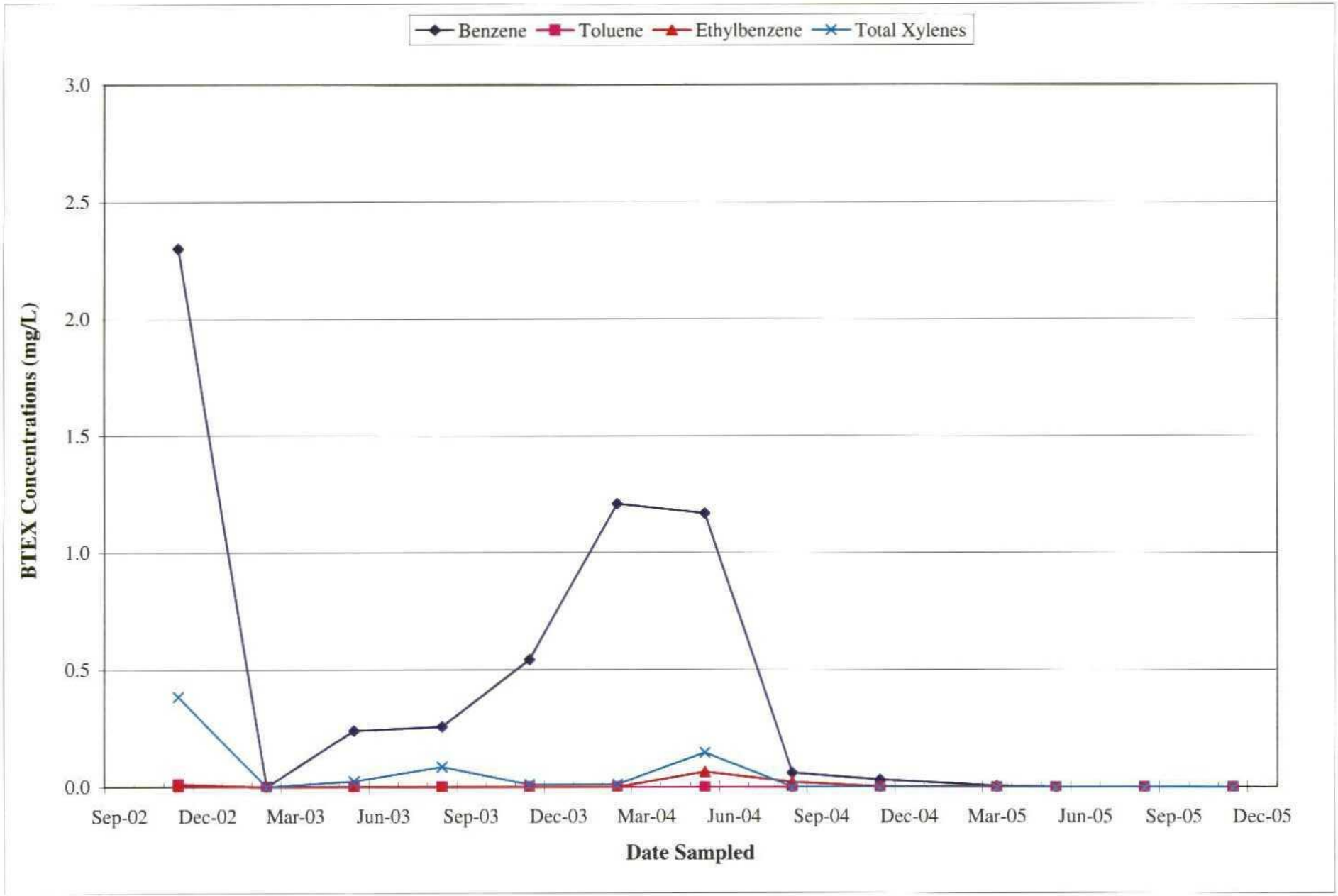


Figure 15: BTEX Concentrations in Groundwater Monitoring Well MW-12 from 11/06/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

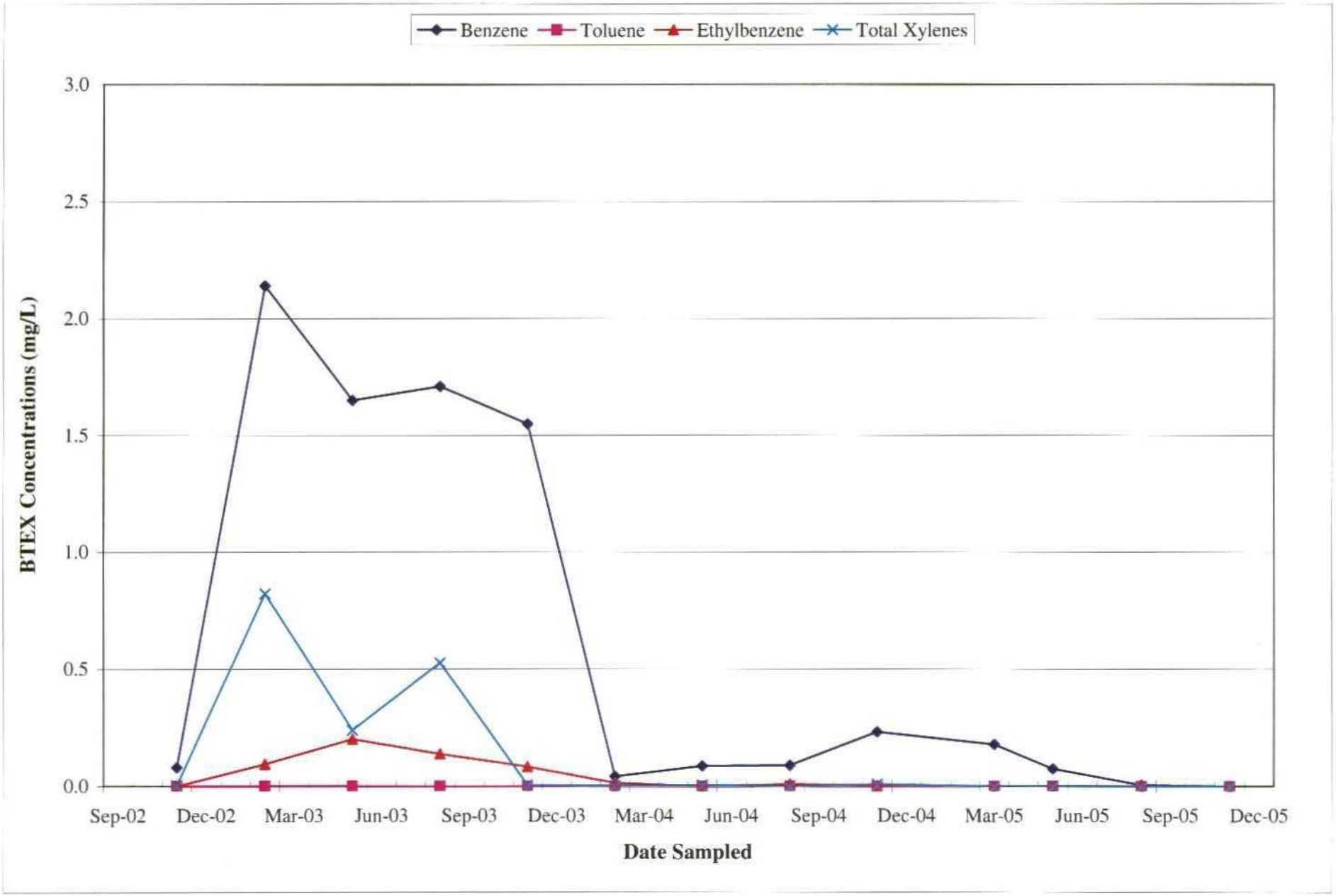


Figure 16: BTEX Concentrations in Groundwater Monitoring Well MW-13 from 11/060/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

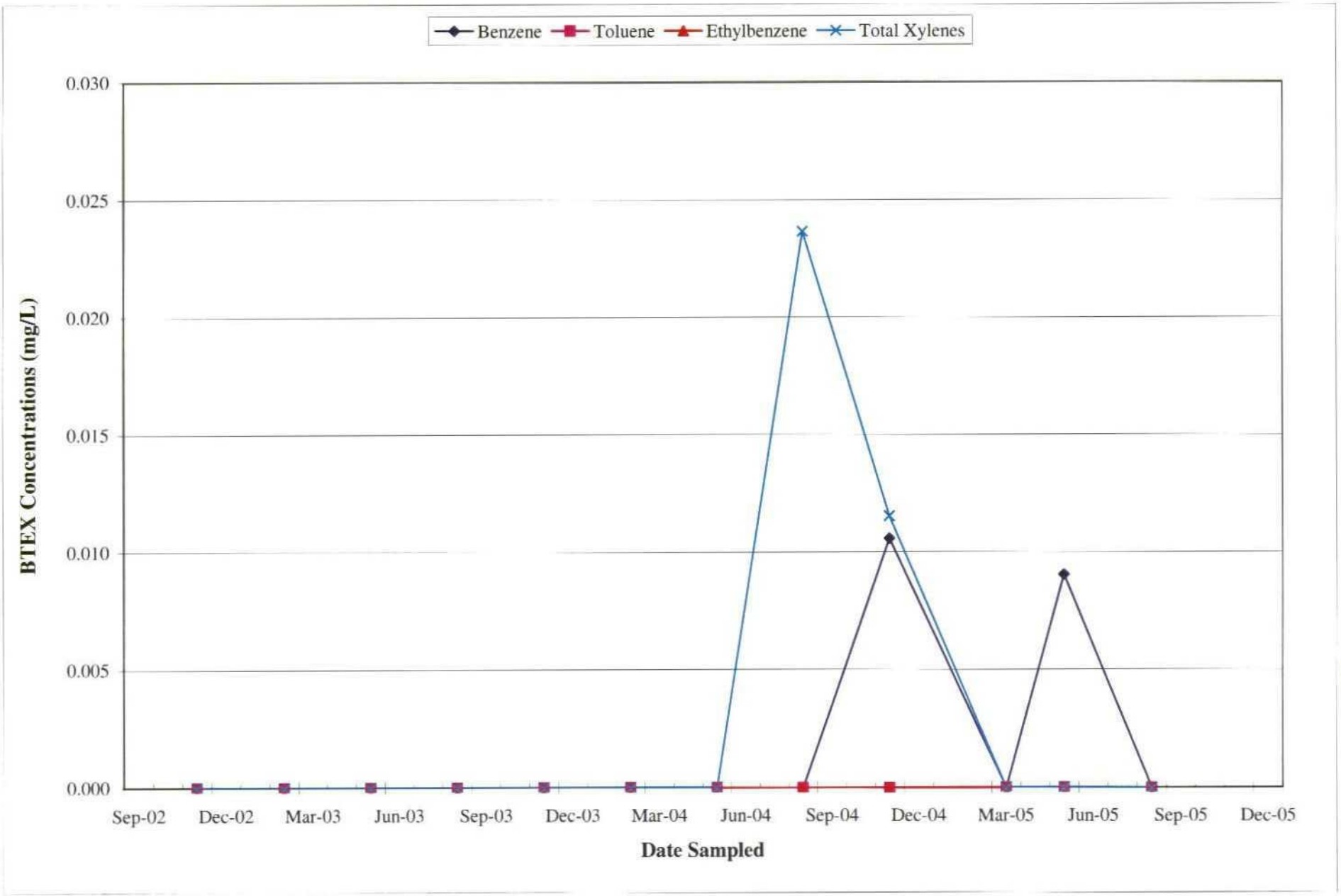


Figure 17: BTEX Concentrations in Groundwater Monitoring Well MW-14 from 11/060/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

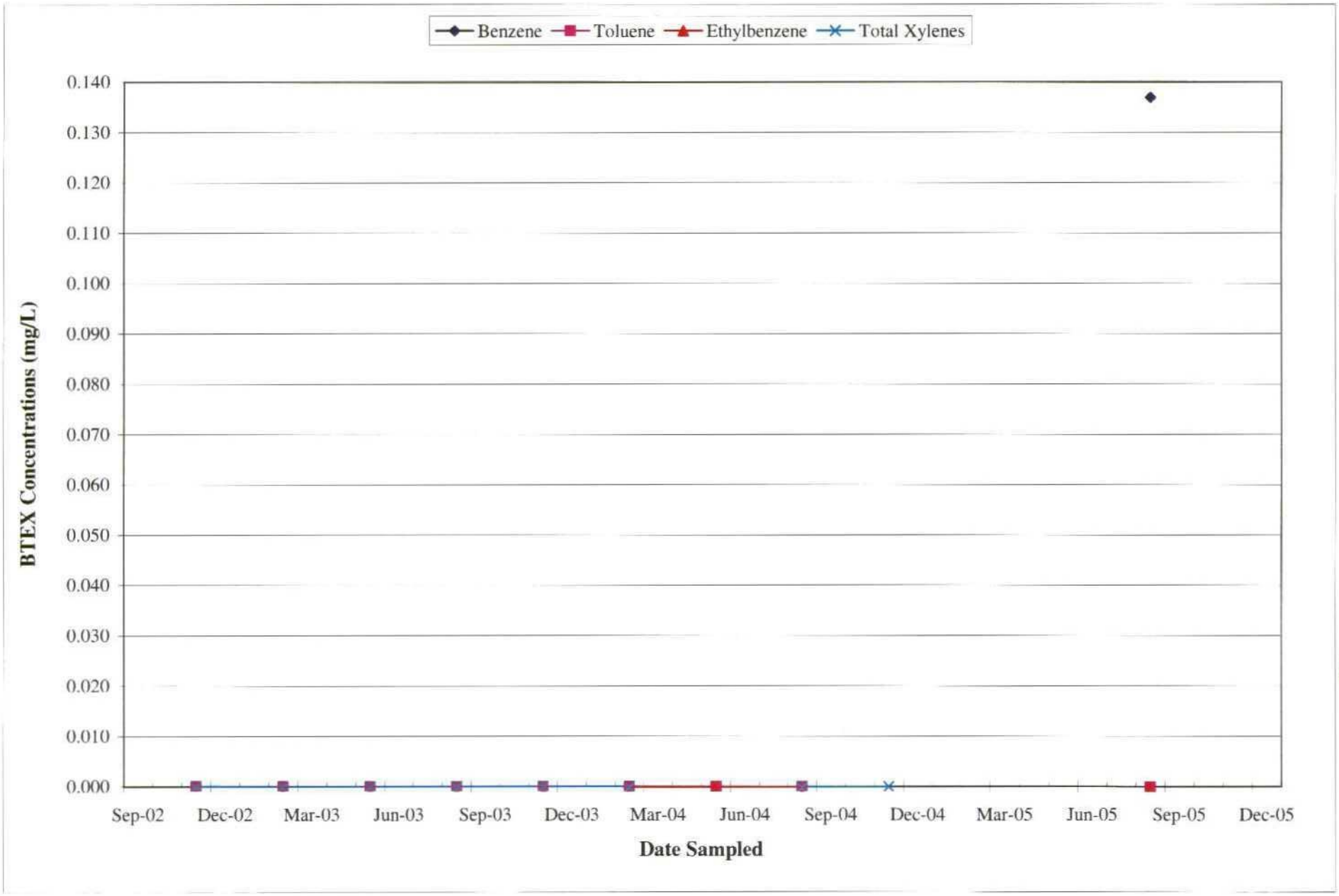


Figure 18: BTEX Concentrations in Groundwater Monitoring Well MW-15 from 11/060/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

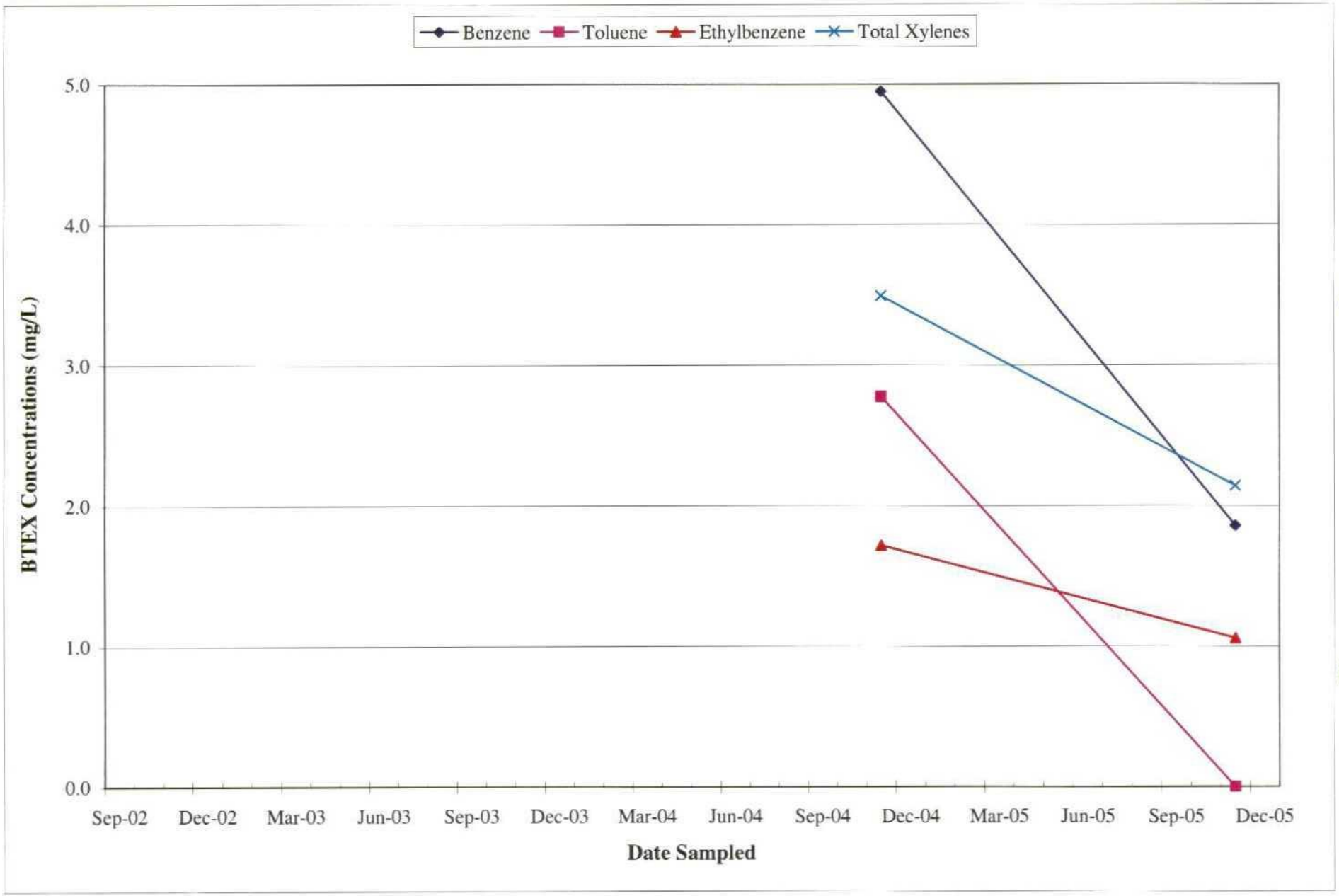


Figure 19: BTEX Concentrations in Groundwater Monitoring Well TMW-1 from 11/060/02 through 12/31/05, Plains All American Pipeline Livingston Line to Hugh - P. Sims, Lea County, New Mexico.

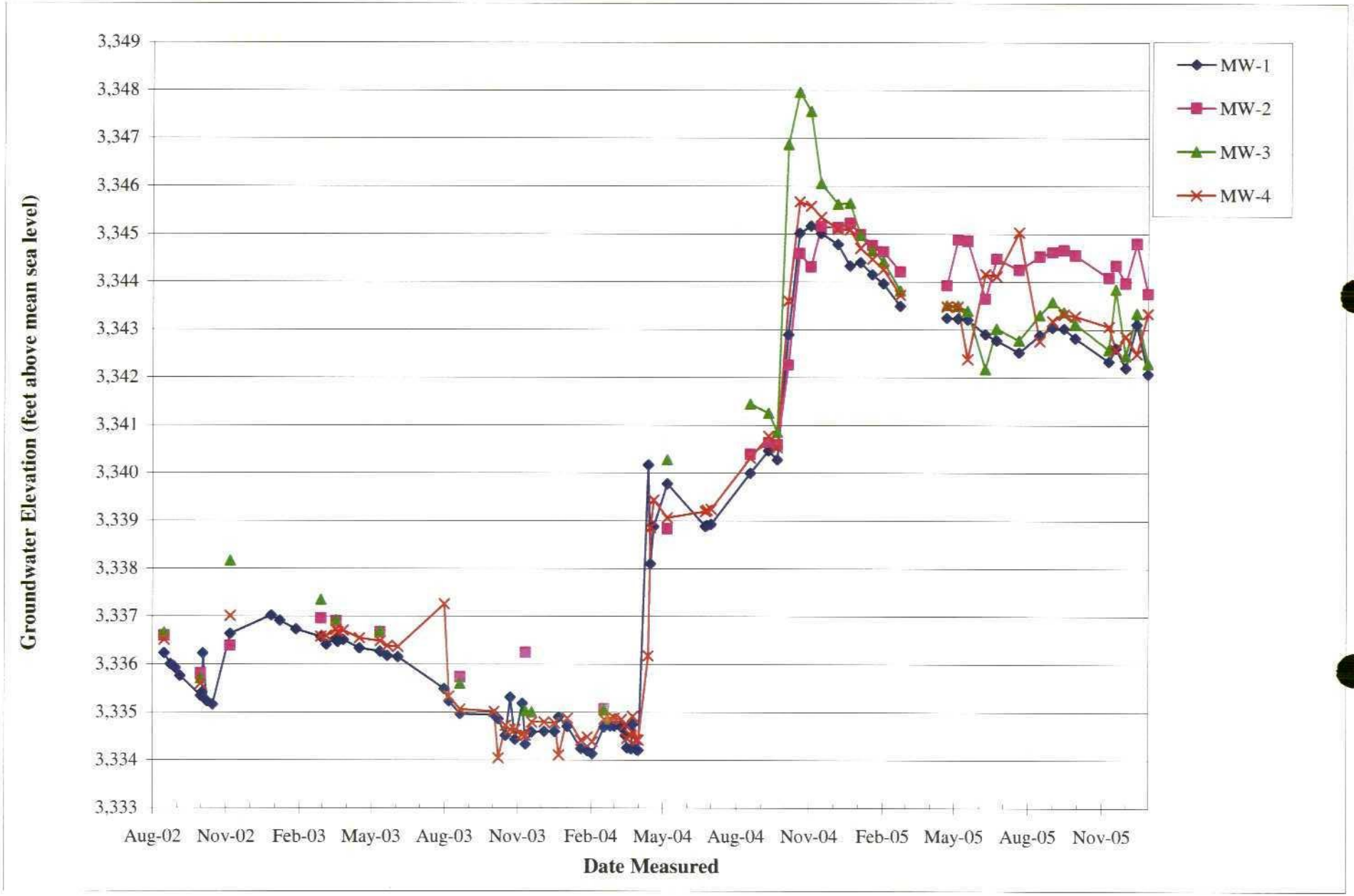


Figure 20: Hydrograph for Plains All American Pipeline Livingston Ridge to Hugh - P. Sims Groundwater Monitoring Wells MW-1 through MW-4, Lea County, New Mexico, from 08/15/02 through 12/31/05.

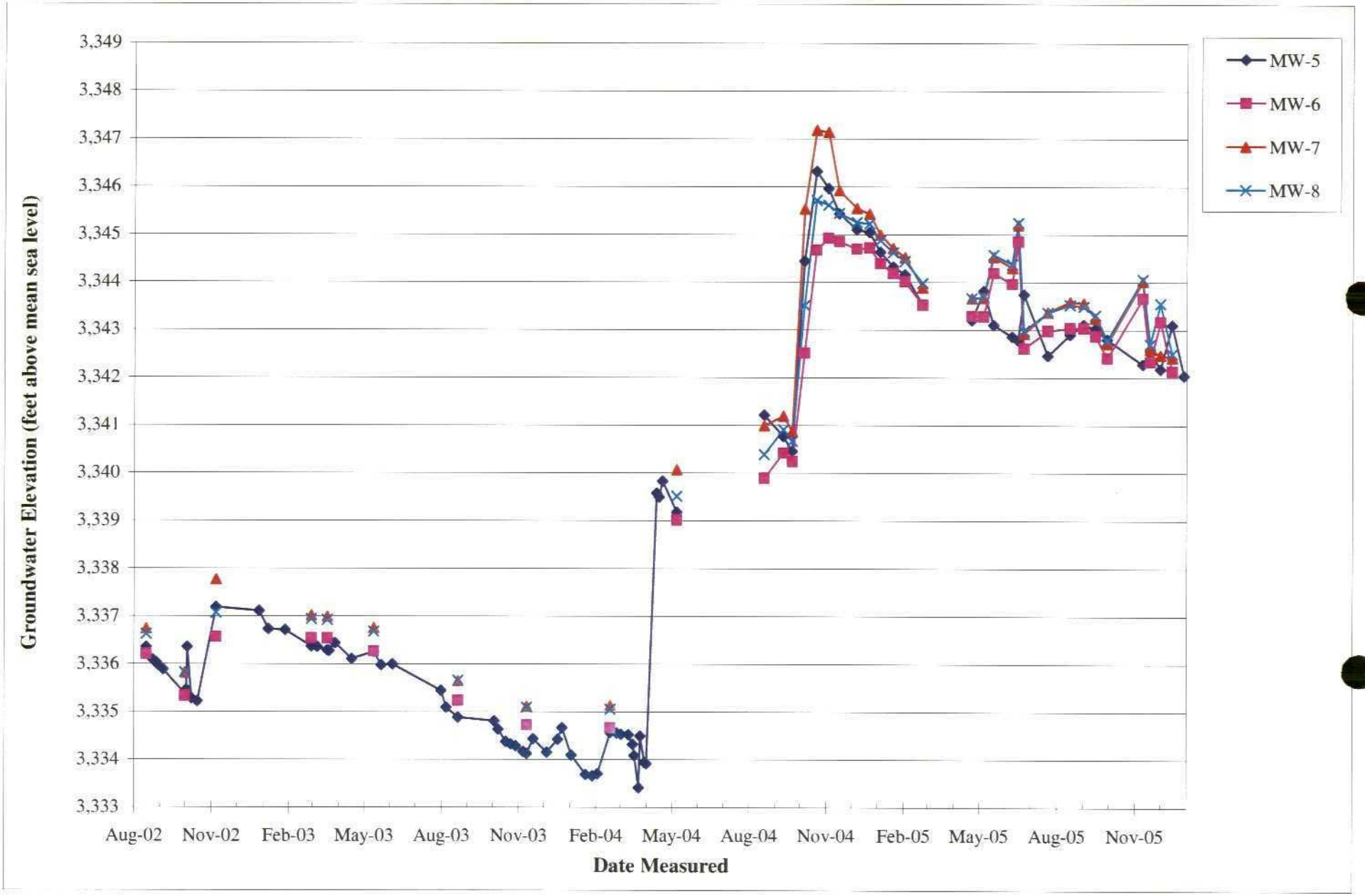


Figure 21: Hydrograph for Plains All American Pipeline Livingston Ridge - Hugh - P. Sims Groundwater Monitoring Wells MW-5 through MW-8, Lea County, New Mexico, from 08/15/02 through 12/31/05.

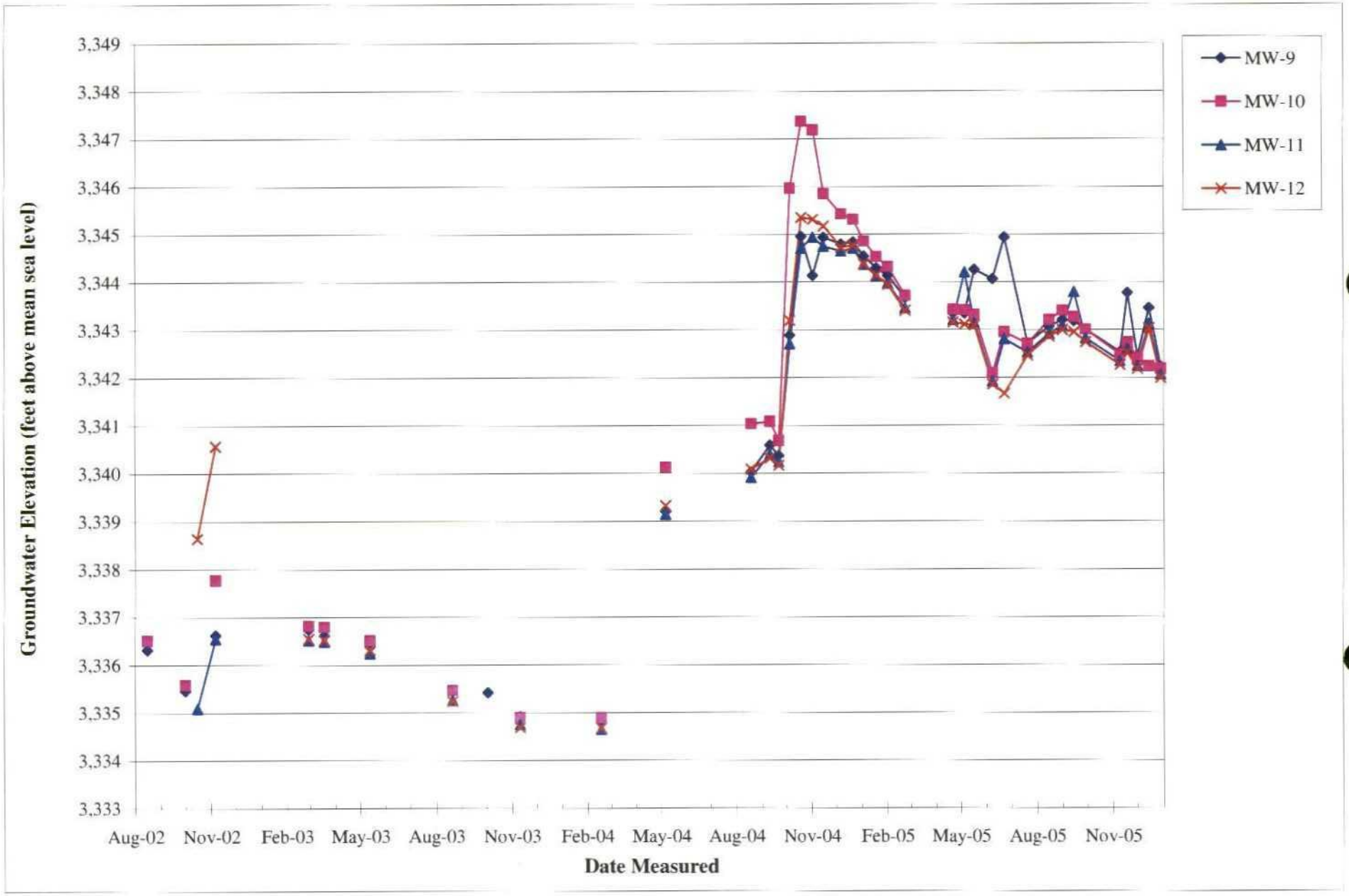
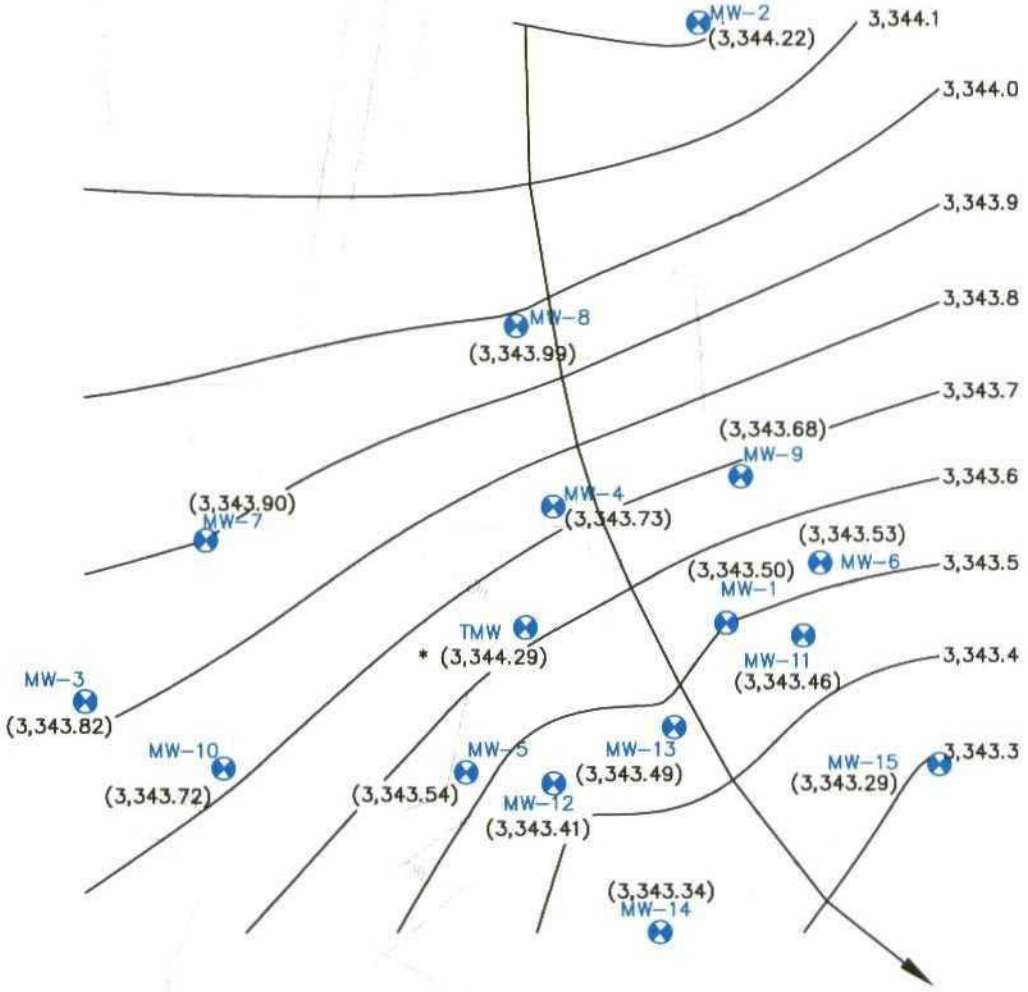


Figure 22: Hydrograph for Plains All American Pipeline Livingston Ridge - Hugh - P. Sims Groundwater Monitoring Wells MW-9 through MW-12, Lea County, New Mexico, from 08/15/02 through 12/31/05.

Figure 23: Hydrograph for Plains All American Pipeline Livingston Ridge - Hugh - P. Sims Groundwater Monitoring Wells MW-13 through TMW-1, Lea County, New Mexico, from 08/15/02 through 12/31/05.



*TMW Groundwater elevations not included in contour map

Figure 24
Groundwater Contour Map– 2/22/05
Plains All American Pipeline, L.P.
Livingston Ridge to Hugh – P. Sims

LEGEND

-℄ Dirt Road- Access Road
—OIL— Oil Pipeline
Fence
Monitoring Well
(3,334) Groundwater Level
3,340.5 Groundwater Contour
Approximate Direction of Groundwater Flow

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
September 2004

REVISED
JCS, Jan. 2006

0 75 150
Feet

SHEET
1 of 1

N

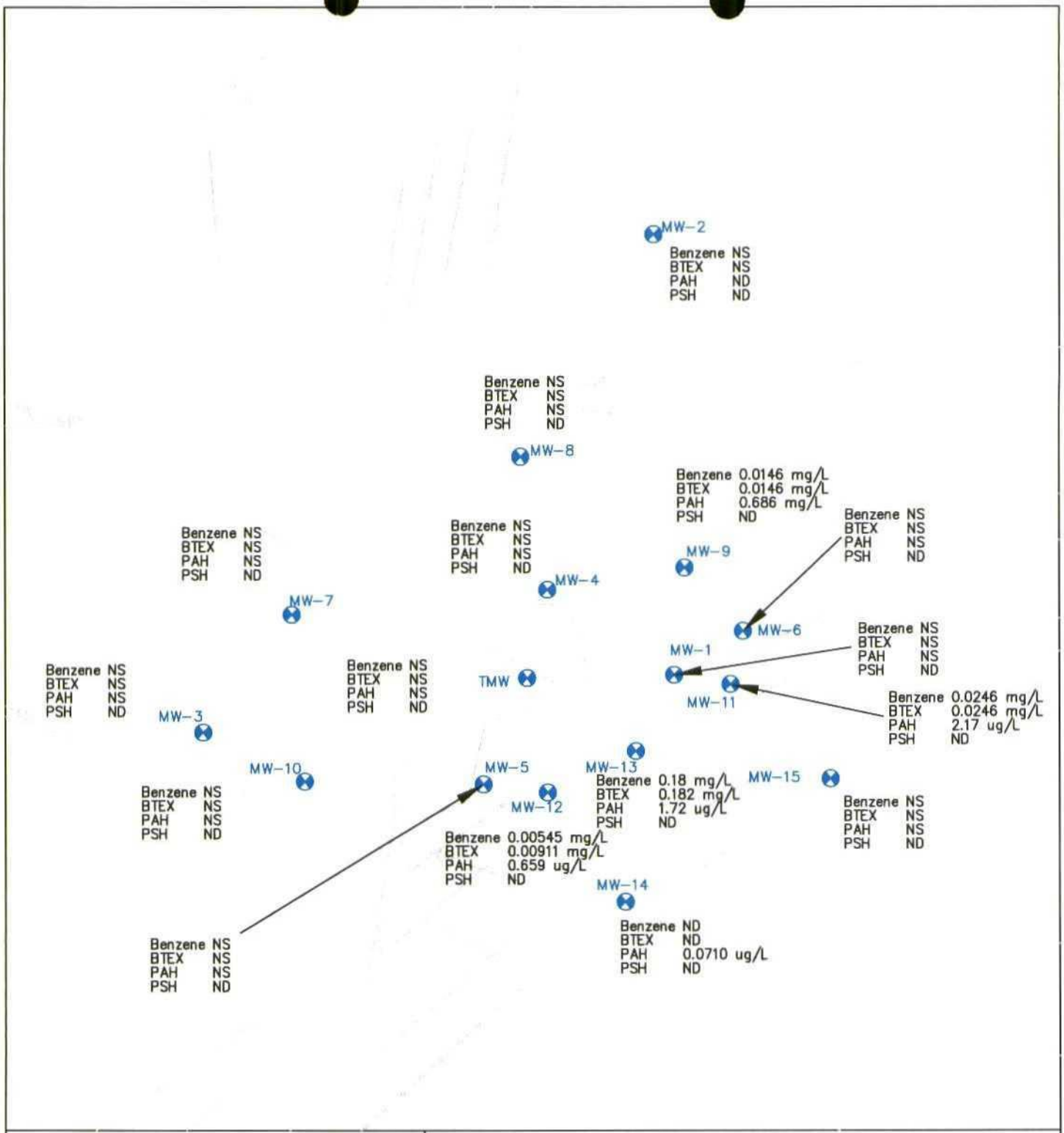


Figure 25
Contaminant Concentration Map 3/22/05
Plains All American Pipeline, L.P.
Livingston Ridge to Hugh – P. Sims

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

LEGEND

- ℄ Dirt Road- Access Road
- OIL Oil Pipeline
- Fence
- Monitoring Well

NS	Not Sampled
PAH	Poly-aromatic Hydrocarbons
PSH	Phase Separated Hydrocarbons
NA	Not Analyzed
ND	Not Detected
BTEX	Benzene, toluene ethylbenzene, total xylenes

DWG By: Iain Olness
September 2004

REVISED
JCS, Jan. 2006

0 75 150
Feet

SHEET
1 of 1

N

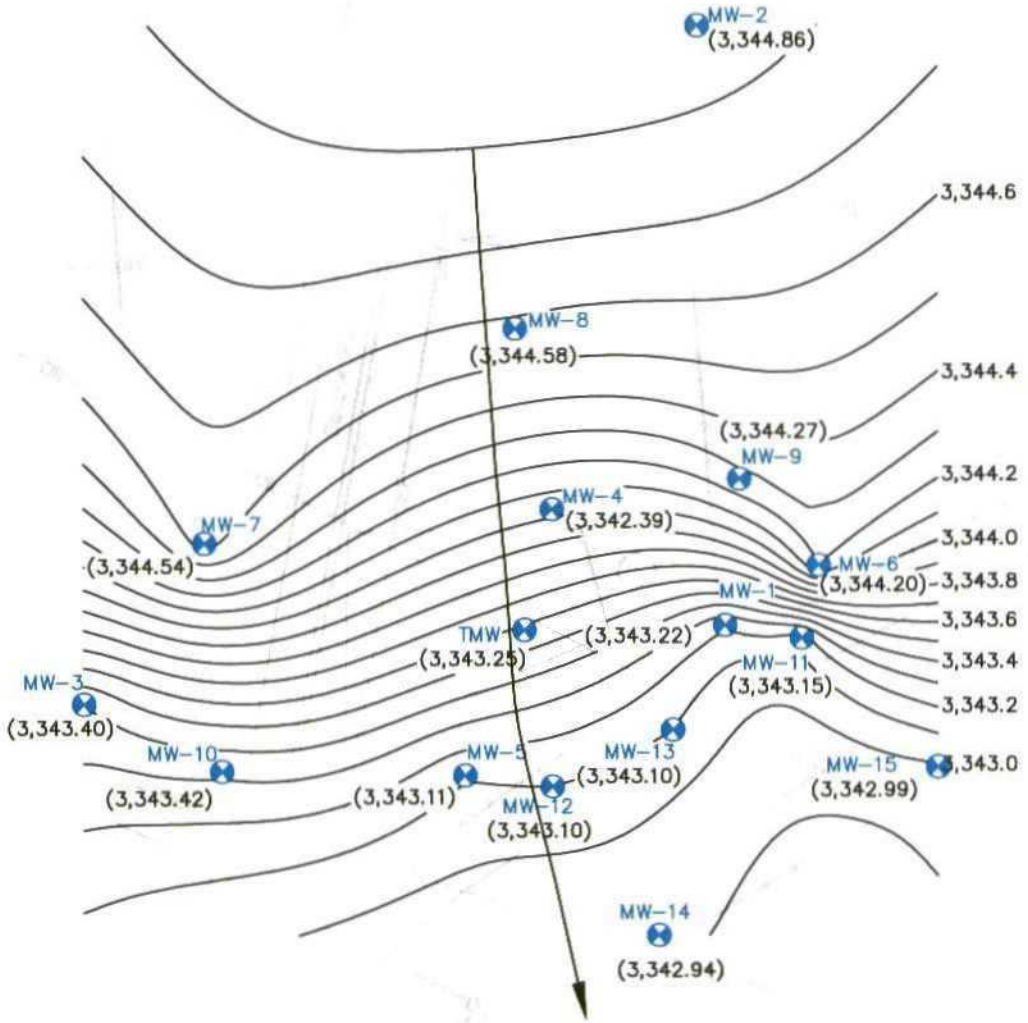


Figure 26
Groundwater Contour Map– 5/17/05
Plains All American Pipeline, L.P.
Livingston Ridge to Hugh – P. Sims

LEGEND

- ℄ Dirt Road- Access Road
- OIL Oil Pipeline
- Fence
- Monitoring Well
- (3,334) Groundwater Level
- 3,340.5 Groundwater Contour
- Approximate Direction of Groundwater Flow

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
September 2004

REVISED
JCS, Jan. 2006

0 75 150
Feet

SHEET
1 of 1

N

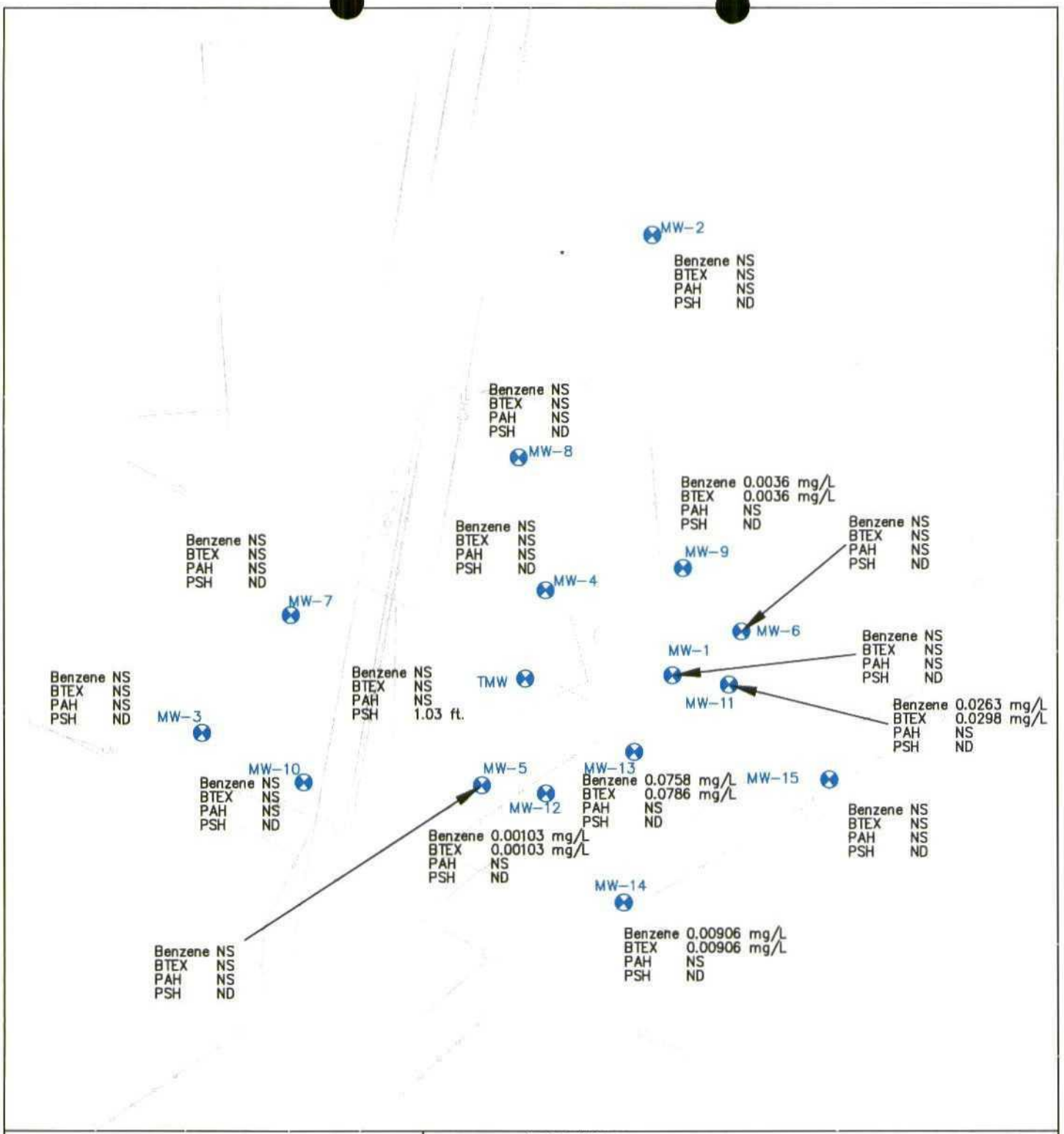


Figure 27

Contaminant Concentration Map–5/17/05

Plains All American Pipeline, L.P.

Livingston Ridge to Hugh – P. Sims

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

LEGEND

- Dirt Road- Access Road
- OIL — Oil Pipeline
- Fence
- Monitoring Well

NS Not Sampled

PAH Poly-aromatic Hydrocarbons

PSH Phase Separated Hydrocarbons

NA Not Analyzed

ND Not Detected

BTEX Benzene, toluene ethylbenzene, total xylenes

DWG By: Iain Olness

September 2004

REVISED

JCS, Jan. 2006

0 75 150

Feet

SHEET 1 of 1

N

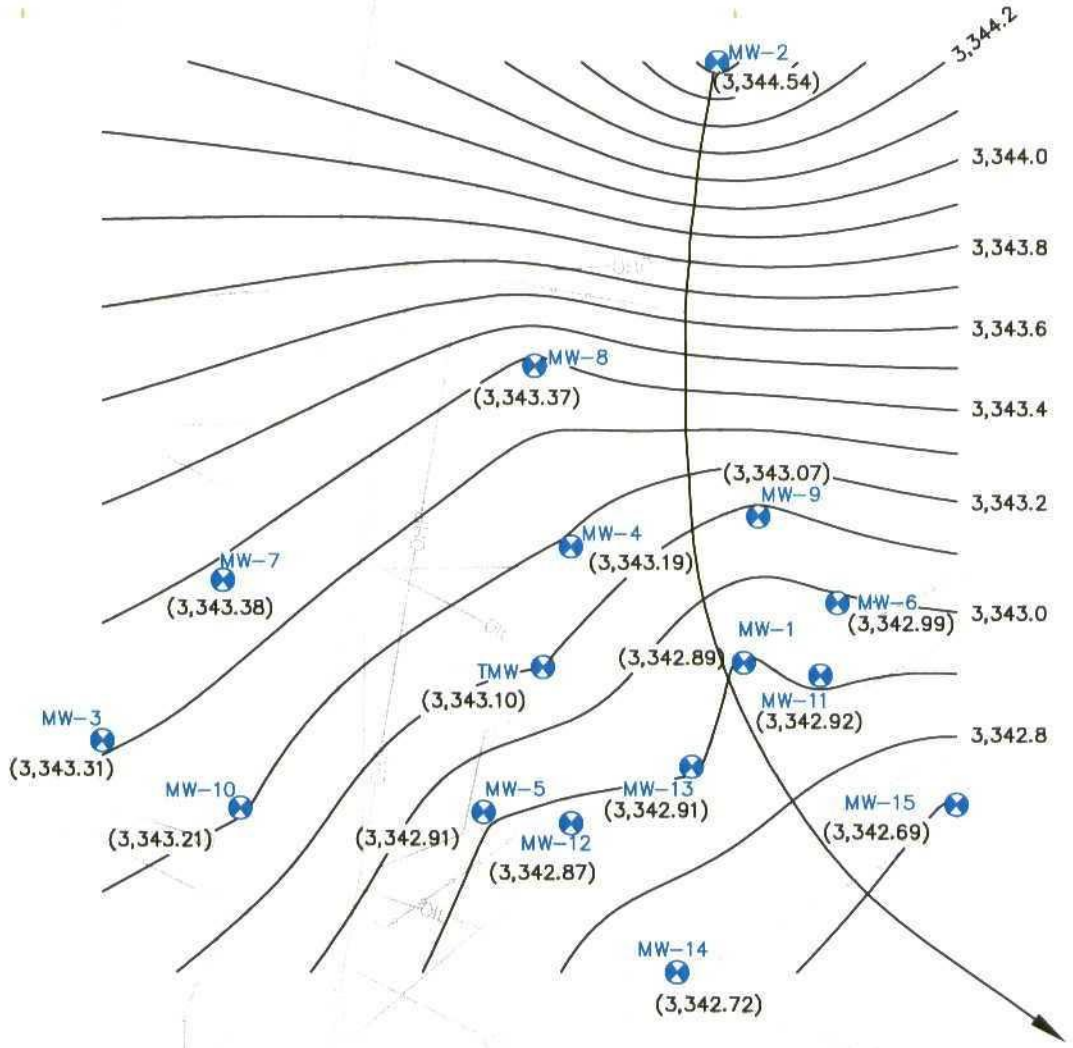


Figure 28
Groundwater Contour Map– 8/15/05
Plains All American Pipeline, L.P.
Livingston Ridge to Hugh – P. Sims

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

LEGEND

- ℄ Dirt Road- Access Road
- —OIL— Oil Pipeline
- Fence
- Monitoring Well
- (3,334) Groundwater Level
- 3,340.5 Groundwater Contour
- Approximate Direction of Groundwater Flow

DWG By: Iain Olness
September 2004

REVISED
JCS, Jan. 2006

0 75 150
Feet

SHEET
1 of 1

N

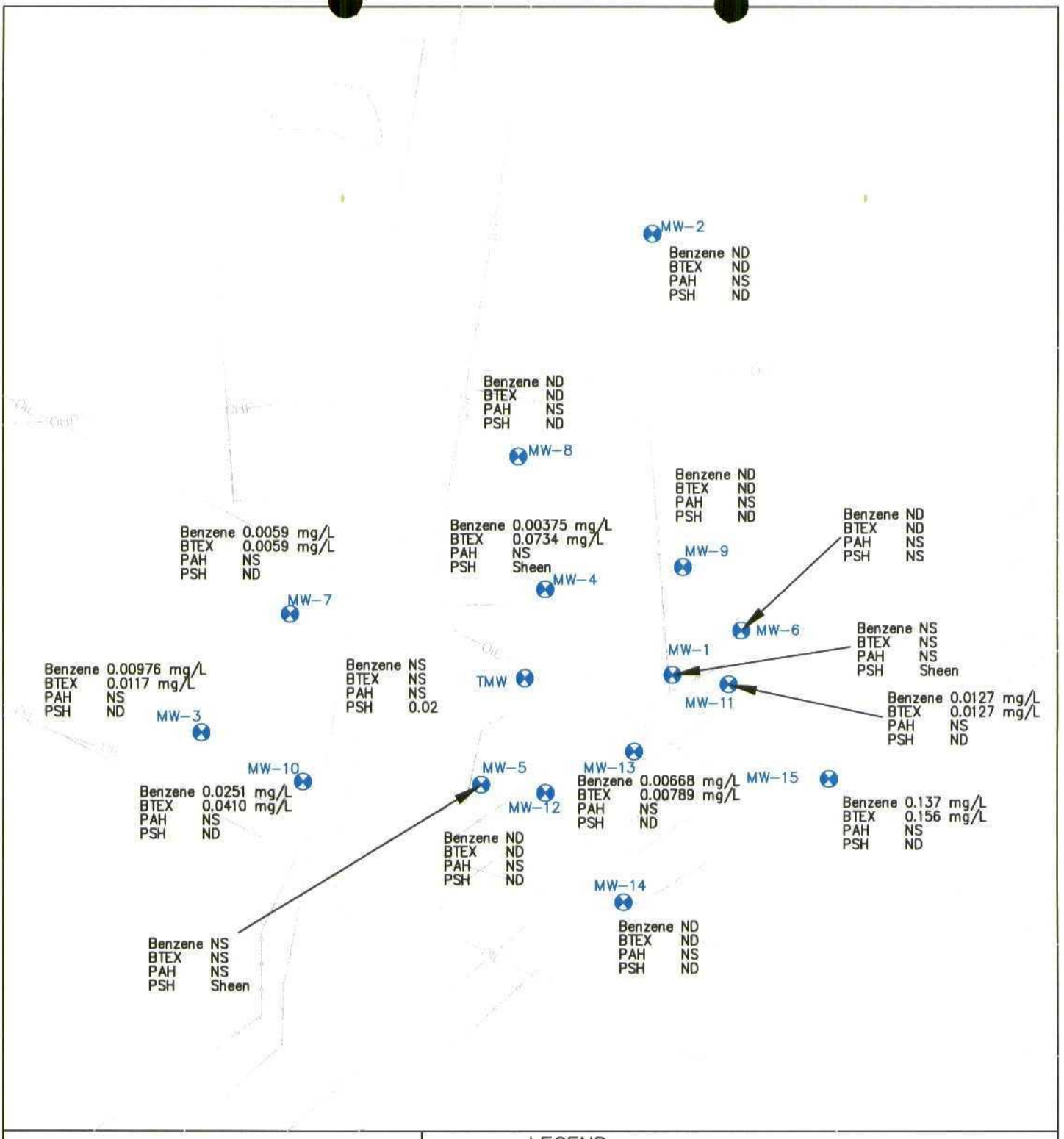


Figure 29
Contaminant Concentration Map–8/15/05
Plains All American Pipeline, L.P.
Livingston Ridge to Hugh – P. Sims

LEGEND

–℄ Dirt Road- Access Road	NS Not Sampled	NA	Not Analyzed
—OIL— Oil Pipeline	PAH Poly–aromatic Hydrocarbons	ND	Not Detected
Fence	PSH Phase Separated Hydrocarbons	BTEX	Benzene, toluene ethylbenzene, total xylenes
Monitoring Well			

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

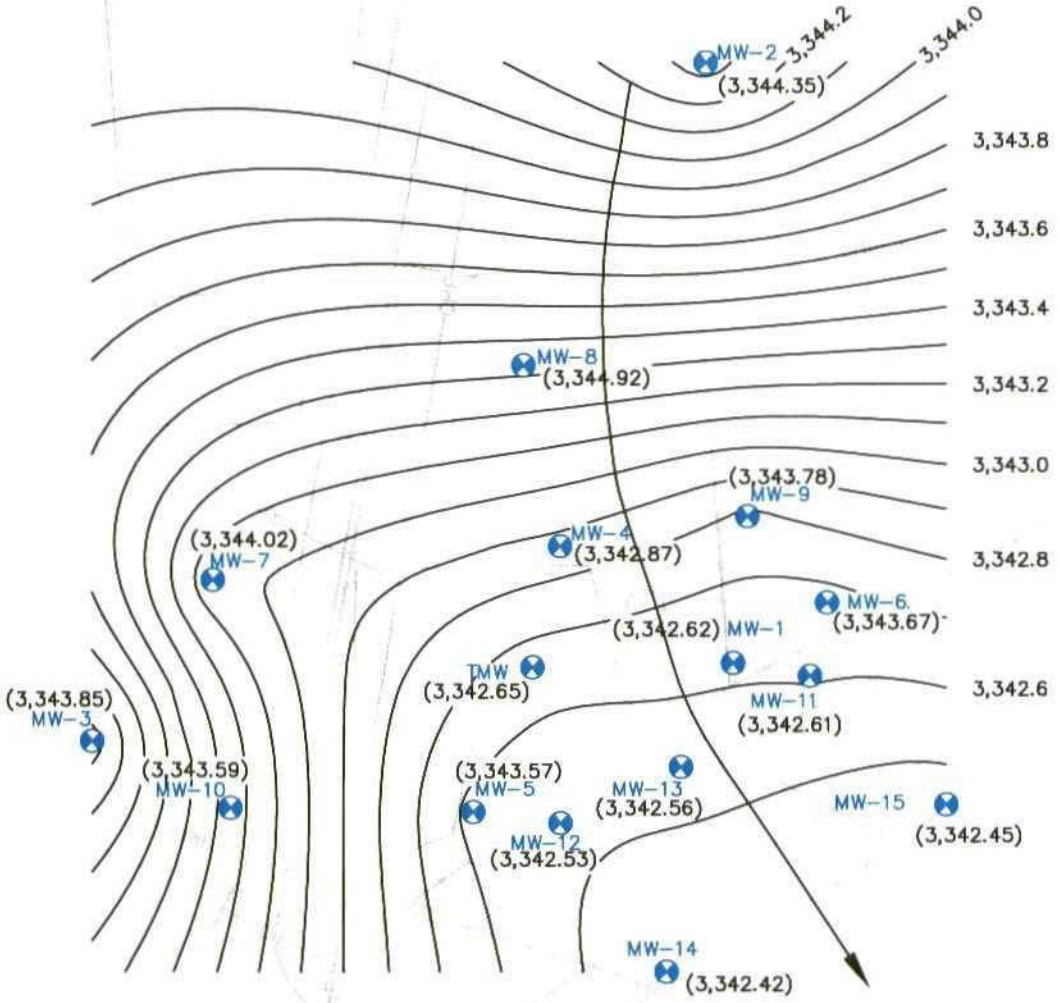
DWG By: Iain Olness
September 2004

REVISED
JCS, Jan. 2006

0 75 150
Feet

SHEET
1 of 1

N



* MW-8 and MW-10 were not included due to anomolous data

Figure 30
Groundwater Contour Map– 11/18/05
Plains All American Pipeline, L.P.
Livingston Ridge to Hugh – P. Sims

LEGEND

- ℄ Dirt Road- Access Road
- —OIL— Oil Pipeline
- Fence
- Monitoring Well
- (3,334) Groundwater Level
- 3,340.5 Groundwater Contour
- Approximate Direction of Groundwater Flow

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
September 2004

REVISED
JCS, Jan. 2006

0 75 150
Feet

SHEET
1 of 1

N

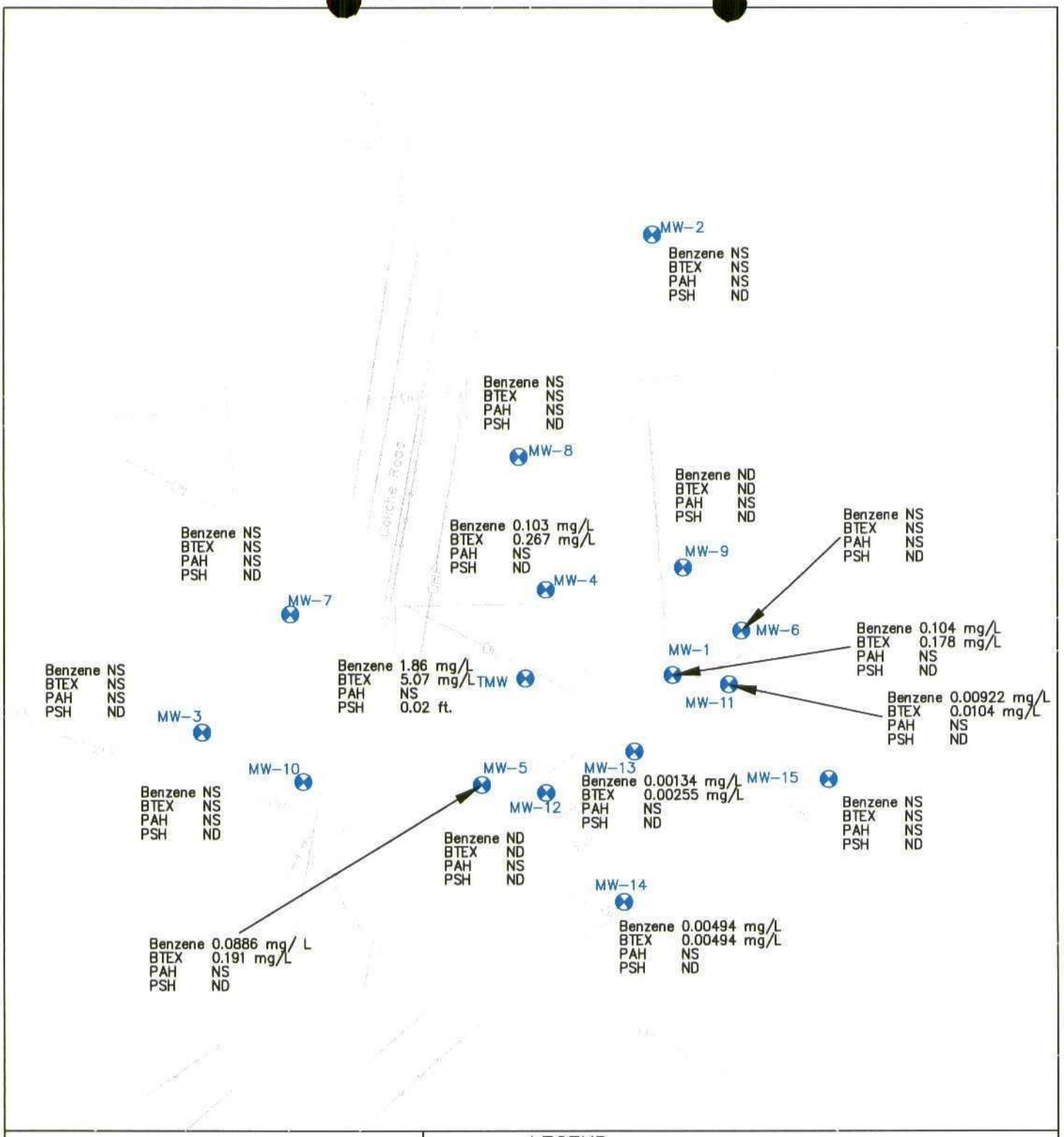


Figure 31
Contaminant Concentration Map–11/18/05
Plains All American Pipeline, L.P.
Livingston Ridge to Hugh – P. Sims

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

LEGEND

℄ Dirt Road- Access Road	NS Not Sampled	NA	Not Analyzed
—OIL— Oil Pipeline	PAH Poly-aromatic Hydrocarbons	ND	Not Detected
Fence	PSH Phase Separated Hydrocarbons	BTEX	Benzene, toluene ethylbenzene, total xylenes
Monitoring Well			

DWG By: Iain Olness
September 2004

REVISED
JCS, Jan. 2006

0 75 150
Feet

SHEET
1 of 1

N

TABLES

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	15-Aug-02	3,374.23	37.24	42.29	5.05	3,336.23
	23-Aug-02		37.52	42.24	4.72	3,336.00
	27-Aug-02		37.58	42.21	4.63	3,335.96
	29-Aug-02		37.68	41.86	4.18	3,335.92
	4-Sep-02		37.81	42.21	4.40	3,335.76
	30-Sep-02		38.28	42.30	4.02	3,335.35
	2-Oct-02		38.20	42.25	4.05	3,335.42
	3-Oct-02		37.24	42.31	5.07	3,336.23
	8-Oct-02		38.40	42.40	4.00	3,335.23
	15-Oct-02		38.49	42.32	3.83	3,335.17
	6-Nov-02		37.03	40.80	3.77	3,336.63
	27-Dec-02		36.64	40.43	3.79	3,337.02
	7-Jan-03		36.85	39.97	3.12	3,336.91
	27-Jan-03		37.14	39.55	2.41	3,336.73
	27-Feb-03		37.10	40.81	3.71	3,336.57
	6-Mar-03		37.70	38.48	0.78	3,336.41
	18-Mar-03		37.13	40.83	3.70	3,336.55
	20-Mar-03		37.22	40.81	3.59	3,336.47
	27-Mar-03		37.22	40.54	3.32	3,336.51
	16-Apr-03		37.36	40.92	3.56	3,336.34
	12-May-03		37.55	40.28	2.73	3,336.27
	21-May-03		37.55	40.87	3.32	3,336.18
	3-Jun-03		37.55	41.03	3.48	3,336.16
	31-Jul-03		38.25	41.50	3.25	3,335.49
	6-Aug-03		38.51	41.73	3.22	3,335.24
	20-Aug-03		38.77	42.04	3.27	3,334.97
	2-Oct-03		38.92	41.33	2.41	3,334.95
	7-Oct-03		38.85	42.28	3.43	3,334.87
	16-Oct-03		39.19	42.66	3.47	3,334.52
	22-Oct-03		38.25	42.68	4.43	3,335.32
	28-Oct-03		39.27	42.74	3.47	3,334.44
	6-Nov-03		38.39	42.75	4.36	3,335.19
	10-Nov-03		39.38	42.79	3.41	3,334.34
	18-Nov-03		39.14	42.48	3.34	3,334.59
	4-Dec-03		39.12	42.48	3.36	3,334.61
	17-Dec-03		39.12	42.49	3.37	3,334.60
	22-Dec-03		38.81	42.26	3.45	3,334.90
	2-Jan-04		39.02	42.30	3.28	3,334.71
	19-Jan-04		39.46	42.86	3.40	3,334.25
	27-Jan-04		39.51	42.90	3.39	3,334.20
	2-Feb-04		39.59	42.87	3.28	3,334.14
	17-Feb-04		39.05	42.22	3.17	3,334.69
	25-Feb-04		39.03	42.18	3.15	3,334.72

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1 cont.	1-Mar-04		39.04	42.13	3.09	3,334.72
	10-Mar-04		39.07	42.11	3.04	3,334.69
	15-Mar-04		39.20	42.51	3.31	3,334.52
	17-Mar-04		39.47	42.70	3.23	3,334.27
	22-Mar-04		39.51	42.61	3.10	3,334.25
	24-Mar-04		39.01	42.02	3.01	3,334.76
	29-Mar-04		39.52	42.68	3.16	3,334.23
	31-Mar-04		39.54	42.65	3.11	3,334.21
	12-Apr-04		34.05	34.05	0.00	3,340.17
	15-Apr-04		36.03	36.60	0.57	3,338.10
	19-Apr-04		35.31	35.50	0.19	3,338.88
	6-May-04		34.44	34.46	0.02	3,339.78
	23-Jun-04		35.24	35.86	0.62	3,338.89
	25-Jun-04		35.22	35.85	0.63	3,338.91
	30-Jun-04		35.19	35.87	0.68	3,338.93
	18-Aug-04		34.08	35.00	0.92	3,340.00
	10-Sep-04		33.60	34.59	0.99	3,340.47
	21-Sep-04		33.82	34.62	0.80	3,340.28
	5-Oct-04		31.24	31.77	0.53	3,342.90
	19-Oct-04		29.11	29.68	0.57	3,345.02
	2-Nov-04		29.02	29.19	0.17	3,345.17
	15-Nov-04		29.17	29.39	0.22	3,345.02
	6-Dec-04		ND	29.43	0.00	3,344.79
	21-Dec-04		ND	29.88	0.00	3,344.34
	3-Jan-05		ND	29.81	0.00	3,344.41
	18-Jan-05		ND	30.06	0.00	3,344.16
	1-Feb-05		ND	30.25	0.00	3,343.97
	22-Feb-05		ND	30.72	0.00	3,343.50
	22-Mar-05					
	21-Apr-05		ND	30.97	0.00	3,343.25
	5-May-05		ND	30.98	0.00	3,343.24
	17-May-05		ND	31.00	0.00	3,343.22
	8-Jun-05		ND	31.31	0.00	3,342.91
	22-Jun-05		ND	31.44	0.00	3,342.78
	20-Jul-05		ND	31.69	0.00	3,342.53
	15-Aug-05		Sheen	31.33	0.00	3,342.89
	31-Aug-05		ND	31.17	0.00	3,343.05
	14-Sep-05		ND	31.19	0.00	3,343.03
	28-Sep-05		ND	31.39	0.00	3,342.83
	9-Nov-05		ND	31.88	0.00	3,342.34
	18-Nov-05		ND	31.60	0.00	3,342.62
	30-Nov-05		ND	32.01	0.00	3,342.21
	14-Dec-05		ND	32.10	0.00	3,343.12
	28-Dec-05		ND	32.14	0.00	3,342.08

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	15-Aug-02	3,378.27	ND	41.67	0.00	3,336.60
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02		ND	42.46	0.00	3,335.81
	2-Oct-02					
	3-Oct-02					
	8-Oct-02 15-Oct-02					
	6-Nov-02		ND	41.88	0.00	3,336.39
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	41.31	0.00	3,336.96
	6-Mar-03					
	18-Mar-03		ND	41.37	0.00	3,336.90
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	41.60	0.00	3,336.67
	21-May-03					
	3-Jun-03					
	6-Jul-03					
	31-Jul-03					
	20-Aug-03		ND	42.53	0.00	3,335.74
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	42.02	0.00	3,336.25
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	43.19	0.00	3,335.08
	25-Feb-04					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2 cont.	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	39.43	0.00	3,338.84
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	37.87	0.00	3,340.40
	10-Sep-04		ND	37.63	0.00	3,340.64
	21-Sep-04		ND	37.67	0.00	3,340.60
	5-Oct-04		ND	36.00	0.00	3,342.27
	19-Oct-04		ND	33.67	0.00	3,344.60
	2-Nov-04		ND	33.95	0.00	3,344.32
	15-Nov-04		ND	33.10	0.00	3,345.17
	6-Dec-04		ND	33.13	0.00	3,345.14
	21-Dec-04		ND	33.04	0.00	3,345.23
	3-Jan-05		ND	33.27	0.00	3,345.00
	18-Jan-05		ND	33.50	0.00	3,344.77
	1-Feb-05		ND	33.63	0.00	3,344.64
	22-Feb-05		ND	34.05	0.00	3,344.22
	22-Mar-05					
	21-Apr-05		ND	34.34	0.00	3,343.93
	5-May-05		ND	34.38	0.00	3,344.89
	17-May-05		ND	34.41	0.00	3,344.86
	8-Jun-05		ND	34.62	0.00	3,343.65
	22-Jun-05		ND	34.78	0.00	3,344.49
	20-Jul-05		ND	35.01	0.00	3,344.26
	15-Aug-05		ND	34.73	0.00	3,344.54
	31-Aug-05		ND	34.64	0.00	3,344.63
	14-Sep-05		ND	34.60	0.00	3,344.67
	28-Sep-05		ND	34.71	0.00	3,344.56
	9-Nov-05		ND	35.18	0.00	3,344.09
	18-Nov-05		ND	34.92	0.00	3,344.35
	30-Nov-05		ND	35.29	0.00	3,343.98
	14-Dec-05		ND	35.46	0.00	3,344.81
	28-Dec-05		ND	35.51	0.00	3,343.76

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	15-Aug-02	3,367.36	ND	30.70	0.00	3,336.66
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02		ND	31.65	0.00	3,335.71
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	15-Oct-02					
	6-Nov-02		ND	29.20	0.00	3,338.16
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	30.01	0.00	3,337.35
	6-Mar-03					
	18-Mar-03		ND	30.43	0.00	3,336.93
	20-Mar-03 27-Mar-03					
	16-Apr-03					
	12-May-03		ND	30.67	0.00	3,336.69
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	31.76	0.00	3,335.60
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	32.33	0.00	3,335.03
	25-Nov-03		ND	32.35	0.00	3,335.01
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	32.31	0.00	3,335.05
	25-Feb-04					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3 cont.	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	27.08	0.00	3,340.28
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	25.91	0.00	3,341.45
	10-Sep-04		ND	26.10	0.00	3,341.26
	21-Sep-04		ND	26.50	0.00	3,340.86
	5-Oct-04		ND	20.49	0.00	3,346.87
	19-Oct-04		ND	19.40	0.00	3,347.96
	2-Nov-04		ND	19.80	0.00	3,347.56
	15-Nov-04		ND	21.30	0.00	3,346.06
	6-Dec-04		ND	21.73	0.00	3,345.63
	21-Dec-04		ND	21.71	0.00	3,345.65
	3-Jan-05		ND	22.38	0.00	3,344.98
	18-Jan-05		ND	22.70	0.00	3,344.66
	1-Feb-05		ND	22.93	0.00	3,344.43
	22-Feb-05		ND	23.54	0.00	3,343.82
	22-Mar-05					
	21-Apr-05		ND	23.84	0.00	3,343.52
	5-May-05		ND	23.85	0.00	3,343.51
	17-May-05		ND	23.96	0.00	3,343.40
	8-Jun-05		ND	24.18	0.00	3,342.18
	22-Jun-05		ND	24.33	0.00	3,343.03
	20-Jul-05		ND	24.58	0.00	3,342.78
	15-Aug-05		ND	24.05	0.00	3,343.31
	31-Aug-05		ND	23.77	0.00	3,343.59
	14-Sep-05		ND	23.98	0.00	3,343.38
	28-Sep-05		ND	24.23	0.00	3,343.13
	9-Nov-05		ND	24.77	0.00	3,342.59
	18-Nov-05		ND	24.51	0.00	3,343.85
	30-Nov-05		ND	24.90	0.00	3,342.46
	14-Dec-05		ND	25.01	0.00	3,343.35
	28-Dec-05		ND	25.06	0.00	3,342.30

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	15-Aug-02	3,372.73	ND	36.22	0.00	3,336.51
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02		ND	37.13	0.00	3,335.60
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	15-Oct-02					
	6-Nov-02		ND	35.72	0.00	3,337.01
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		36.11	36.34	0.23	3,336.59
	6-Mar-03		35.97	37.06	1.09	3,336.60
	18-Mar-03		36.00	36.00	0.00	3,336.73
	20-Mar-03		36.05	36.05	0.00	3,336.68
	27-Mar-03		36.02	36.02	0.00	3,336.71
	16-Apr-03		36.18	36.18	0.00	3,336.55
	12-May-03		ND	36.24	0.00	3,336.49
	21-May-03		36.34	36.34	0.00	3,336.39
	3-Jun-03		ND	36.36	0.00	3,336.37
	31-Jul-03		ND	35.47	0.00	3,337.26
	6-Aug-03		ND	37.39	0.00	3,335.34
	20-Aug-03		37.66	37.66	0.00	3,335.07
	2-Oct-03		ND	37.71	0.00	3,335.02
	7-Oct-03		38.68	38.69	0.01	3,334.05
	16-Oct-03		38.00	38.00	0.00	3,334.73
	22-Oct-03		38.09	38.09	0.00	3,334.64
	28-Oct-03		38.09	38.09	0.00	3,334.64
	6-Nov-03		38.19	38.19	0.00	3,334.54
	10-Nov-03		38.21	38.21	0.00	3,334.52
	18-Nov-03		37.93	37.93	0.00	3,334.80
	4-Dec-03		37.93	37.93	0.00	3,334.80
	17-Dec-03		37.95	37.95	0.00	3,334.78
	22-Dec-03		38.62	38.63	0.01	3,334.11
	2-Jan-04		37.85	37.85	0.00	3,334.88
	19-Jan-04		38.31	38.31	0.00	3,334.42
	27-Jan-04		38.24	38.24	0.00	3,334.49
	2-Feb-04		38.34	38.34	0.00	3,334.39
	17-Feb-04		37.87	37.87	0.00	3,334.86
	25-Feb-04		37.86	37.86	0.00	3,334.87

TABLE 1

Relative Groundwater Elevations and
Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4 cont.	1-Mar-04		37.84	37.84	0.00	3,334.89
	10-Mar-04		37.87	37.87	0.00	3,334.86
	15-Mar-04		37.99	37.99	0.00	3,334.74
	17-Mar-04		38.27	38.27	0.00	3,334.46
	22-Mar-04		38.20	38.20	0.00	3,334.53
	24-Mar-04		37.81	37.81	0.00	3,334.92
	29-Mar-04		38.29	38.29	0.00	3,334.44
	31-Mar-04		38.30	38.30	0.00	3,334.43
	12-Apr-04		36.30	37.94	1.64	3,336.18
	15-Apr-04		ND	33.87	0.00	3,338.86
	19-Apr-04		33.29	33.29	0.00	3,339.44
	6-May-04		ND	33.66	0.00	3,339.07
	23-Jun-04		33.52	33.57	0.05	3,339.20
	25-Jun-04		33.49	33.56	0.07	3,339.23
	30-Jun-04		33.47	33.52	0.05	3,339.25
	18-Aug-04		ND	32.41	Sheen	3,340.32
	10-Sep-04		ND	31.95	Sheen	3,340.78
	21-Sep-04		ND	32.19	Sheen	3,340.54
	5-Oct-04		ND	29.12	Sheen	3,343.61
	19-Oct-04		ND	27.05	- -	3,345.68
	2-Nov-04		ND	27.14	- -	3,345.59
	15-Nov-04		ND	27.37	- -	3,345.36
	6-Dec-04		ND	27.62	- -	3,345.11
	21-Dec-04		ND	27.63	- -	3,345.10
	3-Jan-05		ND	28.02	- -	3,344.71
	18-Jan-05		ND	28.25	- -	3,344.48
	1-Feb-05		ND	28.46	- -	3,344.27
	22-Feb-05		ND	29.00	- -	3,343.73
	22-Mar-05					
	21-Apr-05		ND	29.24	- -	3,343.49
	5-May-05		ND	29.24	- -	3,343.49
	17-May-05		ND	31.34	- -	3,342.39
	8-Jun-05		ND	29.56	- -	3,344.17
	15-Jun-05		ND	29.61	- -	3,344.12
	22-Jun-05		ND	29.69	- -	3,345.04
	20-Jul-05		ND	29.96	- -	3,342.77
	15-Aug-05		ND	29.54	- -	3,343.19
	31-Aug-05		ND	29.40	- -	3,343.33
	14-Sep-05		ND	29.44	- -	3,343.29
	28-Sep-05		ND	29.66	- -	3,343.07
	9-Nov-05		ND	30.14	- -	3,342.59
	18-Nov-05		ND	29.86	- -	3,342.87
	30-Nov-05		ND	30.23	- -	3,342.50
	14-Dec-05		ND	30.39	- -	3,343.34
	28-Dec-05		ND	30.44	- -	3,342.29

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	15-Aug-02	3,370.92	34.52	34.85	0.33	3,336.35
	23-Aug-02		34.77	35.20	0.43	3,336.09
	27-Aug-02		34.84	35.19	0.35	3,336.03
	29-Aug-02		34.90	35.20	0.30	3,335.98
	4-Sep-02		35.03	35.05	0.02	3,335.89
	30-Sep-02		35.48	35.88	0.40	3,335.38
	2-Oct-02		35.39	35.85	0.46	3,335.46
	3-Oct-02		34.51	34.86	0.35	3,336.36
	8-Oct-02		35.57	36.02	0.45	3,335.28
	15-Oct-02		35.65	35.97	0.32	3,335.22
	6-Nov-02		33.72	33.80	0.08	3,337.19
	27-Dec-02		33.79	33.92	0.13	3,337.11
	7-Jan-03		34.19	34.19	0.00	3,336.73
	27-Jan-03		34.21	34.21	0.00	3,336.71
	27-Feb-03		34.53	34.66	0.13	3,336.37
	6-Mar-03		34.56	34.56	0.00	3,336.36
	18-Mar-03		34.63	34.63	0.00	3,336.29
	20-Mar-03		36.34	34.64	0.00	3,336.28
	27-Mar-03		34.48	34.48	0.00	3,336.44
	16-Apr-03		34.81	34.81	0.00	3,336.11
	12-May-03		34.66	34.66	0.00	3,336.26
	21-May-03		34.94	34.94	0.00	3,335.98
	3-Jun-03		34.92	34.92	0.00	3,336.00
	31-Jul-03		ND	35.47	0.00	3,335.45
	6-Aug-03		35.82	35.82	0.00	3,335.10
	20-Aug-03		36.03	36.03	0.00	3,334.89
	2-Oct-03		36.10	36.16	0.06	3,334.81
	7-Oct-03		36.28	36.29	0.01	3,334.64
	16-Oct-03		36.54	36.54	0.00	3,334.38
	22-Oct-03		36.59	36.59	0.00	3,334.33
	28-Oct-03		36.63	36.63	0.00	3,334.29
	6-Nov-03		36.75	36.75	0.00	3,334.17
	10-Nov-03		36.79	36.79	0.00	3,334.13
	18-Nov-03		36.48	36.48	0.00	3,334.44
	4-Dec-03		36.76	36.76	0.00	3,334.16
	17-Dec-03		36.49	36.49	0.00	3,334.43
	22-Dec-03		36.25	36.26	0.01	3,334.67
	2-Jan-04		36.82	36.84	0.02	3,334.10
	19-Jan-04		37.22	37.27	0.05	3,333.69
	27-Jan-04		37.25	37.28	0.03	3,333.67
	2-Feb-04		37.21	37.23	0.02	3,333.71
	17-Feb-04		36.35	36.35	0.00	3,334.57
	25-Feb-04		36.36	36.36	0.00	3,334.56
	1-Mar-04		36.38	36.38	0.00	3,334.54

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5 cont.	10-Mar-04		36.39	36.39	0.00	3,334.53
	15-Mar-04		36.59	36.60	0.01	3,334.33
	17-Mar-04		36.83	36.83	0.00	3,334.09
	22-Mar-04		37.50	37.50	0.00	3,333.42
	24-Mar-04		36.42	36.43	0.01	3,334.50
	29-Mar-04		36.97	36.97	0.00	3,333.95
	31-Mar-04		37.00	37.00	0.00	3,333.92
	12-Apr-04		31.34	31.34	0.00	3,339.58
	15-Apr-04		ND	31.42	0.00	3,339.50
	19-Apr-04		31.09	31.09	Sheen	3,339.83
	6-May-04		ND	31.74	0.00	3,339.18
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	29.70	0.00	3,341.22
	10-Sep-04		ND	30.15	0.00	3,340.77
	21-Sep-04		ND	30.46	0.00	3,340.46
	5-Oct-04		ND	26.47	0.00	3,344.45
	19-Oct-04		ND	24.59	0.00	3,346.33
	2-Nov-04		ND	24.95	0.00	3,345.97
	15-Nov-04		ND	25.48	0.00	3,345.44
	6-Dec-04		ND	25.81	0.00	3,345.11
	21-Dec-04		ND	25.87	0.00	3,345.05
	3-Jan-05		ND	26.28	0.00	3,344.64
	18-Jan-05		ND	26.59	0.00	3,344.33
	1-Feb-05		ND	26.75	0.00	3,344.17
	22-Feb-05		ND	27.38	0.00	3,343.54
	22-Mar-05					
	21-Apr-05		ND	27.71	0.00	3,343.21
	5-May-05		ND	27.10	0.00	3,343.82
	17-May-05		ND	27.81	0.00	3,343.11
	8-Jun-05		ND	28.05	0.00	3,342.87
	15-Jun-05		ND	28.13	0.00	3,342.79
	22-Jun-05		ND	28.17	0.00	3,343.75
	20-Jul-05		ND	28.45	0.00	3,342.47
	15-Aug-05		Sheen	28.01	0.00	3,342.91
	31-Aug-05		ND	27.80	0.00	3,343.12
	14-Sep-05		ND	27.88	0.00	3,343.04
	28-Sep-05		ND	28.11	0.00	3,342.81
	9-Nov-05		ND	28.63	0.00	3,342.29
	18-Nov-05		ND	28.35	0.00	3,342.57
	30-Nov-05		ND	28.73	0.00	3,342.19
	14-Dec-05		ND	28.81	0.00	3,343.11
	28-Dec-05		ND	28.87	0.00	3,342.05

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	15-Aug-02	3,377.02	ND	40.82	0.00	3,336.20
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02		ND	41.69	0.00	3,335.33
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	15-Oct-02					
	6-Nov-02		ND	40.45	0.00	3,336.57
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	40.48	0.00	3,336.54
	6-Jan-03					
	18-Mar-03		ND	40.48	0.00	3,336.54
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	40.75	0.00	3,336.27
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	41.78	0.00	3,335.24
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	42.29	0.00	3,334.73
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	42.35	0.00	3,334.67
	25-Feb-04					
	1-Mar-04					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6 cont.	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	38.00	0.00	3,339.02
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	37.12	0.00	3,339.90
	10-Sep-04		ND	36.59	0.00	3,340.43
	21-Sep-04		ND	36.77	0.00	3,340.25
	5-Oct-04		ND	34.50	0.00	3,342.52
	19-Oct-04		ND	32.34	0.00	3,344.68
	2-Nov-04		ND	32.09	0.00	3,344.93
	15-Nov-04		ND	32.16	0.00	3,344.86
	6-Dec-04		ND	32.32	0.00	3,344.70
	21-Dec-04		ND	32.29	0.00	3,344.73
	3-Jan-05		ND	32.62	0.00	3,344.40
	18-Jan-05		ND	32.83	0.00	3,344.19
	1-Feb-05		ND	33.00	0.00	3,344.02
	22-Feb-05		ND	33.49	0.00	3,343.53
	22-Mar-05					
	21-Apr-05		ND	33.72	0.00	3,343.30
	5-May-05		ND	33.73	0.00	3,343.29
	17-May-05		ND	33.82	0.00	3,344.20
	8-Jun-05		ND	34.05	0.00	3,343.97
	22-Jun-05		ND	34.16	0.00	3,344.86
	20-Jul-05		ND	34.40	0.00	3,342.62
	15-Aug-05		ND	34.03	0.00	3,342.99
	31-Aug-05		ND	33.97	0.00	3,343.05
	14-Sep-05		ND	33.97	0.00	3,343.05
	28-Sep-05		ND	34.14	0.00	3,342.88
	9-Nov-05		ND	34.60	0.00	3,342.42
	18-Nov-05		ND	34.35	0.00	3,343.67
	30-Nov-05		ND	34.68	0.00	3,342.34
	14-Dec-05		ND	34.84	0.00	3,343.18
	28-Dec-05		ND	34.88	0.00	3,342.14
MW - 7	15-Aug-02	3,369.47	ND	32.73	0.00	3,336.74
	23-Aug-02					
	27-Aug-02					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7 cont.	29-Aug-02					
	4-Sep-02					
	30-Sep-02		ND	33.65	0.00	3,335.82
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	15-Oct-02					
	6-Nov-02		ND	31.70	0.00	3,337.77
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	32.45	0.00	3,337.02
	6-Mar-03					
	18-Mar-03		ND	32.48	0.00	3,336.99
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	32.71	0.00	3,336.76
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	33.82	0.00	3,335.65
	2-Oct-03					
	4-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	34.35	0.00	3,335.12
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	34.33	0.00	3,335.14
	25-Feb-04					
	1-Mar-04					
	10-Mar-04					
	15-Mar-04					

TABLE 1

Relative Groundwater Elevations and
Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7 cont.	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	29.40	0.00	3,340.07
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	28.47	0.00	3,341.00
	10-Sep-04		ND	28.27	0.00	3,341.20
	21-Sep-04		ND	28.59	0.00	3,340.88
	5-Oct-04		ND	23.93	0.00	3,345.54
	19-Oct-04		ND	22.28	0.00	3,347.19
	2-Nov-04		ND	22.32	0.00	3,347.15
	15-Nov-04		ND	23.54	0.00	3,345.93
	6-Dec-04		ND	23.91	0.00	3,345.56
	21-Dec-04		ND	24.03	0.00	3,345.44
	3-Jan-05		ND	24.47	0.00	3,345.00
	18-Jan-05		ND	24.75	0.00	3,344.72
	1-Feb-05		ND	24.94	0.00	3,344.53
	22-Feb-05		ND	25.57	0.00	3,343.90
	22-Mar-05					
	21-Apr-05		ND	25.80	0.00	3,343.67
	5-May-05		ND	25.79	0.00	3,343.68
	17-May-05		ND	25.93	0.00	3,344.54
	8-Jun-05		ND	26.16	0.00	3,344.31
	22-Jun-05		ND	26.26	0.00	3,345.21
	20-Jul-05		ND	26.54	0.00	3,342.93
	15-Aug-05		ND	26.09	0.00	3,343.38
	31-Aug-05		ND	25.87	0.00	3,343.60
	14-Sep-05		ND	25.90	0.00	3,343.57
	28-Sep-05		ND	26.22	0.00	3,343.25
	9-Nov-05		ND	26.75	0.00	3,342.72
	18-Nov-05		ND	26.45	0.00	3,344.02
	30-Nov-05		ND	26.87	0.00	3,342.60
	14-Dec-05		ND	26.99	0.00	3,342.48
	28-Dec-05		ND	27.04	0.00	3,342.43
MW - 8	15-Aug-02	3,373.77	ND	37.15	0.00	3,336.62
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8 cont.	30-Sep-02		ND	37.95	0.00	3,335.82
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	15-Oct-02					
	6-Nov-02		ND	36.70	0.00	3,337.07
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	36.83	0.00	3,336.94
	6-Mar-03					
	18-Mar-03		ND	36.85	0.00	3,336.92
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	37.09	0.00	3,336.68
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	38.11	0.00	3,335.66
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	38.67	0.00	3,335.10
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	38.71	0.00	3,335.06
	25-Feb-04					
	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					

TABLE 1

Relative Groundwater Elevations and
Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8 cont.	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	34.26	0.00	3,339.51
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	33.38	0.00	3,340.39
	10-Sep-04		ND	32.86	0.00	3,340.91
	21-Sep-04		ND	33.10	0.00	3,340.67
	5-Oct-04		ND	30.25	0.00	3,343.52
	19-Oct-04		ND	28.05	0.00	3,345.72
	2-Nov-04		ND	28.15	0.00	3,345.62
	15-Nov-04		ND	28.32	0.00	3,345.45
	6-Dec-04		ND	28.51	0.00	3,345.26
	21-Dec-04		ND	28.54	0.00	3,345.23
	3-Jan-05		ND	28.89	0.00	3,344.88
	18-Jan-05		ND	29.14	0.00	3,344.63
	1-Feb-05		ND	29.32	0.00	3,344.45
	22-Feb-05		ND	29.78	0.00	3,343.99
	22-Mar-05					
	21-Apr-05		ND	30.10	0.00	3,343.67
	5-May-05		ND	30.07	0.00	3,343.70
	17-May-05		ND	30.19	0.00	3,344.58
	8-Jun-05		ND	30.39	0.00	3,344.38
	22-Jun-05		ND	30.52	0.00	3,345.25
	20-Jul-05		ND	30.78	0.00	3,342.99
	15-Aug-05		ND	30.40	0.00	3,343.37
	31-Aug-05		ND	30.24	0.00	3,343.53
	14-Sep-05		ND	30.27	0.00	3,343.50
	28-Sep-05		ND	30.45	0.00	3,343.32
	9-Nov-05		ND	30.98	0.00	3,342.79
	18-Nov-05		ND	30.70	0.00	3,344.07
	30-Nov-05		ND	31.06	0.00	3,342.71
	14-Dec-05		ND	31.21	0.00	3,343.56
	28-Dec-05		ND	31.26	0.00	3,342.51
MW - 9	15-Aug-02	3,375.92	ND	39.60	0.00	3,336.32
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02		ND	40.46	0.00	3,335.46
	2-Oct-02					
	3-Oct-02					

TABLE 1

Relative Groundwater Elevations and
Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9 cont.	8-Oct-02					
	15-Oct-02					
	6-Nov-02		ND	39.30	0.00	3,336.62
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	39.18	0.00	3,336.74
	6-Mar-03					
	18-Mar-03		ND	39.30	0.00	3,336.62
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	39.53	0.00	3,336.39
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03					
	2-Oct-03		ND	40.50	0.00	3,335.42
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	41.00	0.00	3,334.92
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	41.12	0.00	3,334.80
	25-Feb-04					
	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9 cont.	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	36.71	0.00	3,339.21
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	35.89	0.00	3,340.03
	10-Sep-04		ND	35.33	0.00	3,340.59
	21-Sep-04		ND	35.55	0.00	3,340.37
	5-Oct-04		ND	33.03	0.00	3,342.89
	19-Oct-04		ND	30.96	0.00	3,344.96
	2-Nov-04		ND	31.78	0.00	3,344.14
	15-Nov-04		ND	30.98	0.00	3,344.94
	6-Dec-04		ND	31.12	0.00	3,344.80
	21-Dec-04		ND	31.08	0.00	3,344.84
	3-Jan-05		ND	31.37	0.00	3,344.55
	18-Jan-05		ND	31.62	0.00	3,344.30
	1-Feb-05		ND	31.78	0.00	3,344.14
	22-Feb-05		ND	32.24	0.00	3,343.68
	22-Mar-05					
	21-Apr-05		ND	32.57	0.00	3,343.35
	5-May-05		ND	32.57	0.00	3,343.35
	17-May-05		ND	32.65	0.00	3,344.27
	8-Jun-05		ND	32.85	0.00	3,344.07
	22-Jun-05		ND	32.98	0.00	3,344.94
	20-Jul-05		ND	33.20	0.00	3,342.72
	15-Aug-05		ND	32.85	0.00	3,343.07
	31-Aug-05		ND	32.71	0.00	3,343.21
	14-Sep-05		ND	32.73	0.00	3,343.19
	28-Sep-05		ND	32.91	0.00	3,343.01
	9-Nov-05		ND	33.38	0.00	3,342.54
	18-Nov-05		ND	33.14	0.00	3,343.78
	30-Nov-05		ND	33.48	0.00	3,342.44
	14-Dec-05		ND	33.46	0.00	3,343.46
	28-Dec-05		ND	33.69	0.00	3,342.23
MW - 10	15-Aug-02	3,370.17	ND	33.66	0.00	3,336.51
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02		ND	34.59	0.00	3,335.58
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	15-Oct-02					
	6-Nov-02		ND	32.40	0.00	3,337.77

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10 cont.	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	33.35	0.00	3,336.82
	6-Mar-03					
	18-Mar-03		ND	33.37	0.00	3,336.80
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	33.65	0.00	3,336.52
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	34.70	0.00	3,335.47
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	35.27	0.00	3,334.90
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	35.27	0.00	3,334.90
	25-Feb-04					
	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	30.04	0.00	3,340.13

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10 cont.	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	29.13	0.00	3,341.04
	10-Sep-04		ND	29.08	0.00	3,341.09
	21-Sep-04		ND	29.48	0.00	3,340.69
	5-Oct-04		ND	24.20	0.00	3,345.97
	19-Oct-04		ND	22.80	0.00	3,347.37
	2-Nov-04		ND	22.98	0.00	3,347.19
	15-Nov-04		ND	24.31	0.00	3,345.86
	6-Dec-04		ND	24.74	0.00	3,345.43
	21-Dec-04		ND	24.85	0.00	3,345.32
	3-Jan-05		ND	25.31	0.00	3,344.86
	18-Jan-05		ND	25.63	0.00	3,344.54
	1-Feb-05		ND	25.84	0.00	3,344.33
	22-Feb-05		ND	26.45	0.00	3,343.72
	22-Mar-05					
	21-Apr-05		ND	26.74	0.00	3,343.43
	5-May-05		ND	26.75	0.00	3,343.42
	17-May-05		ND	26.85	0.00	3,343.32
	8-Jun-05		ND	27.07	0.00	3,342.10
	22-Jun-05		ND	27.21	0.00	3,342.96
	20-Jul-05		ND	27.46	0.00	3,342.71
	15-Aug-05		ND	26.96	0.00	3,343.21
	31-Aug-05		ND	26.76	0.00	3,343.41
	14-Sep-05		ND	26.90	0.00	3,343.27
	28-Sep-05		ND	27.16	0.00	3,343.01
	9-Nov-05		ND	27.68	0.00	3,342.49
	18-Nov-05		ND	27.43	0.00	3,342.74
	30-Nov-05		ND	27.75	0.00	3,342.42
	14-Dec-05		ND	27.93	0.00	3,342.24
	28-Dec-05		ND	27.98	0.00	3,342.19
MW-11	15-Aug-02					
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02					
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	15-Oct-02	3,373.96	ND	38.87	0.00	3,335.09
	6-Nov-02		ND	37.42	0.00	3,336.54
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-11 cont.	27-Feb-03		ND	37.45	0.00	3,336.51
	6-Mar-03					
	18-Mar-03		ND	37.47	0.00	3,336.49
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	37.72	0.00	3,336.24
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	38.70	0.00	3,335.26
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	39.21	0.00	3,334.75
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	39.31	0.00	3,334.65
	25-Feb-04					
	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	34.82	0.00	3,339.14
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					

TABLE 1

Relative Groundwater Elevations and
Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-11 cont.	18-Aug-04		ND	34.05	0.00	3,339.91
	10-Sep-04		ND	33.56	0.00	3,340.40
	21-Sep-04		ND	33.72	0.00	3,340.24
	5-Oct-04		ND	31.25	0.00	3,342.71
	19-Oct-04		ND	29.25	0.00	3,344.71
	2-Nov-04		ND	29.02	0.00	3,344.94
	15-Nov-04		ND	29.21	0.00	3,344.75
	6-Dec-04		ND	29.31	0.00	3,344.65
	21-Dec-04		ND	29.25	0.00	3,344.71
	3-Jan-05		ND	29.59	0.00	3,344.37
	18-Jan-05		ND	29.83	0.00	3,344.13
	1-Feb-05		ND	29.98	0.00	3,343.98
	22-Feb-05		ND	30.50	0.00	3,343.46
	22-Mar-05					
	21-Apr-05		ND	30.75	0.00	3,343.21
	5-May-05		ND	29.75	0.00	3,344.21
	17-May-05		ND	30.81	0.00	3,343.15
	8-Jun-05		ND	31.03	0.00	3,341.93
	22-Jun-05		ND	31.15	0.00	3,342.81
	20-Jul-05		ND	31.43	0.00	3,342.53
	15-Aug-05		ND	31.04	0.00	3,342.92
	31-Aug-05		ND	30.87	0.00	3,343.09
	14-Sep-05		ND	30.16	0.00	3,343.80
	28-Sep-05		ND	31.13	0.00	3,342.83
	9-Nov-05		ND	31.61	0.00	3,342.35
	18-Nov-05		ND	31.35	0.00	3,342.61
	30-Nov-05		ND	31.71	0.00	3,342.25
	14-Dec-05		ND	31.83	0.00	3,343.13
	28-Dec-05		ND	31.89	0.00	3,342.07
MW- 12	15-Aug-02					
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02					
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	22-Oct-02	3,372.41	ND	33.77	0.00	3,338.64
	6-Nov-02		ND	31.84	0.00	3,340.57
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	35.86	0.00	3,336.55
	6-Mar-03					
	18-Mar-03		ND	35.89	0.00	3,336.52

TABLE 1

Relative Groundwater Elevations and
Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW- 12 cont.	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	36.09	0.00	3,336.32
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	37.17	0.00	3,335.24
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	37.72	0.00	3,334.69
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	37.73	0.00	3,334.68
	25-Feb-04					
	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	33.08	0.00	3,339.33
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	32.32	0.00	3,340.09
	10-Sep-04		ND	32.09	0.00	3,340.32
	21-Sep-04		ND	32.24	0.00	3,340.17

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW- 12 cont.	5-Oct-04		ND	29.21	0.00	3,343.20
	19-Oct-04		ND	27.05	0.00	3,345.36
	2-Nov-04		ND	27.09	0.00	3,345.32
	15-Nov-04		ND	27.23	0.00	3,345.18
	6-Dec-04		ND	27.67	0.00	3,344.74
	21-Dec-04		ND	27.64	0.00	3,344.77
	3-Jan-05		ND	28.03	0.00	3,344.38
	18-Jan-05		ND	28.26	0.00	3,344.15
	1-Feb-05		ND	28.46	0.00	3,343.95
	22-Feb-05		ND	29.00	0.00	3,343.41
	22-Mar-05					
	21-Apr-05		ND	29.25	0.00	3,343.16
	5-May-05		ND	29.29	0.00	3,343.12
	17-May-05		ND	29.31	0.00	3,343.10
	8-Jun-05		ND	29.55	0.00	3,341.86
	22-Jun-05		ND	30.74	0.00	3,341.67
	20-Jul-05		ND	29.94	0.00	3,342.47
	15-Aug-05		ND	29.54	0.00	3,342.87
	31-Aug-05		ND	29.41	0.00	3,343.00
	14-Sep-05		ND	29.45	0.00	3,342.96
	28-Sep-05		ND	29.66	0.00	3,342.75
	9-Nov-05		ND	30.14	0.00	3,342.27
	18-Nov-05		ND	29.88	0.00	3,342.53
	30-Nov-05		ND	30.22	0.00	3,342.19
	14-Dec-05		ND	30.37	0.00	3,343.04
	28-Dec-05		ND	30.41	0.00	3,342.00
MW- 13	15-Aug-02					
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02					
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	22-Oct-02	3,368.91	ND	31.30	0.00	3,337.61
	6-Nov-02		ND	31.60	0.00	3,337.31
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	32.31	0.00	3,336.60
	6-Mar-03					
	18-Mar-03		ND	32.35	0.00	3,336.56
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW- 13 cont.	12-May-03		ND	32.60	0.00	3,336.31
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	33.62	0.00	3,335.29
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	34.20	0.00	3,334.71
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	34.18	0.00	3,334.73
	25-Feb-04					
	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	29.29	0.00	3,339.62
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	28.51	0.00	3,340.40
	10-Sep-04		ND	28.23	0.00	3,340.68
	21-Sep-04		ND	28.54	0.00	3,340.37
	5-Oct-04		ND	24.88	0.00	3,344.03
	19-Oct-04		ND	22.96	0.00	3,345.95
	2-Nov-04		ND	23.26	0.00	3,345.65

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW- 13 cont.	15-Nov-04		ND	23.61	0.00	3,345.30
	6-Dec-04		ND	24.05	0.00	3,344.86
	21-Dec-04		ND	24.03	0.00	3,344.88
	3-Jan-05		ND	24.41	0.00	3,344.50
	18-Jan-05		ND	24.71	0.00	3,344.20
	1-Feb-05		ND	24.90	0.00	3,344.01
	22-Feb-05		ND	25.42	0.00	3,343.49
	22-Mar-05					
	21-Apr-05		ND	25.73	0.00	3,343.18
	5-May-05		ND	25.82	0.00	3,343.09
	17-May-05		ND	25.81	0.00	3,343.10
	8-Jun-05		ND	26.03	0.00	3,341.88
	22-Jun-05		ND	26.18	0.00	3,342.73
	20-Jul-05		ND	26.44	0.00	3,342.47
	15-Aug-05		ND	26.00	0.00	3,342.91
	31-Aug-05		ND	25.85	0.00	3,343.06
	14-Sep-05		ND	25.92	0.00	3,342.99
	28-Sep-05		ND	26.14	0.00	3,342.77
	9-Nov-05		ND	26.63	0.00	3,342.28
	18-Nov-05		ND	26.35	0.00	3,342.56
	30-Nov-05		ND	26.73	0.00	3,342.18
	14-Dec-05		ND	26.86	0.00	3,343.05
	28-Dec-05		ND	26.92	0.00	3,341.99
MW- 14	15-Aug-02					
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02					
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	22-Oct-02	3,371.54	ND	36.56	0.00	3,334.98
	6-Nov-02		ND	34.68	0.00	3,336.86
	27-Dec-02					
	7-Jan-03					
	27-Jan-03					
	27-Feb-03		ND	35.09	0.00	3,336.45
	6-Mar-03					
	18-Mar-03		ND	35.14	0.00	3,336.40
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	35.32	0.00	3,336.22
	21-May-03					
	3-Jun-03					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW- 14 cont.	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	36.42	0.00	3,335.12
	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	36.97	0.00	3,334.57
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04		ND	37.00	0.00	3,334.54
	25-Feb-04					
	1-Mar-04					
	10-Mar-04					
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	32.17	0.00	3,339.37
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	31.42	0.00	3,340.12
	10-Sep-04		ND	31.05	0.00	3,340.49
	21-Sep-04		ND	31.31	0.00	3,340.23
	5-Oct-04		ND	28.16	0.00	3,343.38
	19-Oct-04		ND	26.10	0.00	3,345.44
	2-Nov-04		ND	26.20	0.00	3,345.34
	15-Nov-04		ND	26.46	0.00	3,345.08
	6-Dec-04		ND	26.82	0.00	3,344.72
	21-Dec-04		ND	26.79	0.00	3,344.75

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW- 14 cont.	3-Jan-05		ND	27.17	0.00	3,344.37
	18-Jan-05		ND	27.49	0.00	3,344.05
	1-Feb-05		ND	27.65	0.00	3,343.89
	22-Feb-05		ND	28.20	0.00	3,343.34
	22-Mar-05					
	21-Apr-05		ND	28.50	0.00	3,343.04
	5-May-05		ND	28.60	0.00	3,342.94
	17-May-05		ND	28.60	0.00	3,342.94
	8-Jun-05		ND	28.83	0.00	3,341.71
	22-Jun-05		ND	28.91	0.00	3,342.63
	20-Jul-05		ND	29.17	0.00	3,342.37
	15-Aug-05		ND	28.80	0.00	3,342.74
	31-Aug-05		ND	26.80	0.00	3,344.74
	14-Sep-05		ND	28.69	0.00	3,342.85
	28-Sep-05		ND	28.91	0.00	3,342.63
	9-Nov-05		ND	29.39	0.00	3,342.15
	18-Nov-05		ND	29.12	0.00	3,342.42
	30-Nov-05		ND	29.48	0.00	3,342.06
	14-Dec-05		ND	29.60	0.00	3,342.94
	28-Dec-05		ND	29.63	0.00	3,341.91
MW- 15	15-Aug-02					
	23-Aug-02					
	27-Aug-02					
	29-Aug-02					
	4-Sep-02					
	30-Sep-02					
	2-Oct-02					
	3-Oct-02					
	8-Oct-02					
	22-Oct-02	3,377.64	ND	42.74	0.00	3,334.90
	6-Nov-02		ND	41.32	0.00	3,336.32
	27-Dec-02					
	7-Jan-03					
	24-Jan-03					
	27-Feb-03		ND	41.29	0.00	3,336.35
	6-Mar-03					
	18-Mar-03		ND	41.26	0.00	3,336.38
	20-Mar-03					
	27-Mar-03					
	16-Apr-03					
	12-May-03		ND	41.52	0.00	3,336.12
	21-May-03					
	3-Jun-03					
	31-Jul-03					
	6-Aug-03					
	20-Aug-03		ND	42.54	0.00	3,335.10

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW- 15 cont.	2-Oct-03					
	7-Oct-03					
	16-Oct-03					
	22-Oct-03					
	28-Oct-03					
	6-Nov-03					
	10-Nov-03		ND	43.12	0.00	3,334.52
	18-Nov-03					
	4-Dec-03					
	17-Dec-03					
	22-Dec-03					
	2-Jan-04					
	19-Jan-04					
	27-Jan-04					
	2-Feb-04					
	17-Feb-04					
	25-Feb-04					
	1-Mar-04					
	10-Mar-04		ND	43.18	0.00	3,334.46
	15-Mar-04					
	17-Mar-04					
	22-Mar-04					
	24-Mar-04					
	29-Mar-04					
	31-Mar-04					
	12-Apr-04					
	15-Apr-04					
	19-Apr-04					
	6-May-04		ND	38.79	0.00	3,338.85
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		ND	37.93	0.00	3,339.71
	10-Sep-04		ND	37.45	0.00	3,340.19
	21-Sep-04		ND	37.67	0.00	3,339.97
	5-Oct-04		ND	35.37	0.00	3,342.27
	19-Oct-04		ND	33.50	0.00	3,344.14
	2-Nov-04		ND	33.10	0.00	3,344.54
	15-Nov-04		ND	33.12	0.00	3,344.52
	6-Dec-04		ND	33.26	0.00	3,344.38
	21-Dec-04		ND	33.21	0.00	3,344.43
	3-Jan-05		ND	33.49	0.00	3,344.15
	18-Jan-05		ND	33.75	0.00	3,343.89
	1-Feb-05		ND	33.88	0.00	3,343.76

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW- 15 cont.	22-Feb-05		ND	34.35	0.00	3,343.29
	22-Mar-05					
	21-Apr-05		ND	34.61	0.00	3,343.03
	5-May-05		ND	34.65	0.00	3,342.99
	17-May-05		ND	34.65	0.00	3,342.99
	8-Jun-05		ND	34.87	0.00	3,341.77
	22-Jun-05		ND	35.02	0.00	3,342.62
	20-Jul-05		ND	35.25	0.00	3,342.39
	15-Aug-05		ND	34.95	0.00	3,342.69
	31-Aug-05		ND	34.83	0.00	3,342.81
	14-Sep-05		ND	34.83	0.00	3,342.81
	28-Sep-05		ND	35.02	0.00	3,342.62
	9-Nov-05		ND	35.41	0.00	3,342.23
	18-Nov-05		ND	35.19	0.00	3,342.45
	30-Nov-05		ND	35.52	0.00	3,342.12
	14-Dec-05		ND	35.66	0.00	3,342.98
	28-Dec-05		ND	35.73	0.00	3,341.91
TMW-1	15-Aug-02	3,357.33	20.18	25.22	5.04	3,336.39
	23-Aug-02		20.53	25.04	4.51	3,336.12
	27-Aug-02		20.61	24.97	4.36	3,336.07
	29-Aug-02		20.68	24.79	4.11	3,336.03
	4-Sep-02		20.86	24.87	4.01	3,335.87
	30-Sep-02					
	2-Oct-02		21.28	24.95	3.67	3,335.50
	3-Oct-02		20.18	25.24	5.06	3,336.39
	8-Oct-02		21.49	25.02	3.53	3,335.31
	15-Oct-02		20.24	25.23	4.99	3,336.34
	6-Nov-02					
	27-Dec-02		19.57	23.72	4.15	3,337.14
	7-Jan-03		19.71	23.79	4.08	3,337.01
	27-Jan-03		19.98	23.42	3.44	3,336.83
	27-Feb-03		20.07	24.16	4.09	3,336.65
	6-Mar-03		20.12	24.17	4.05	3,336.60
	18-Mar-03		20.09	24.24	4.15	3,336.62
	20-Mar-03		20.21	24.09	3.88	3,336.54
	27-Mar-03		20.15	24.18	4.03	3,336.58
	16-Apr-03		20.33	24.24	3.91	3,336.41
	12-May-03		20.59	23.13	2.54	3,336.36
	21-May-03		20.48	24.27	3.79	3,336.28
	3-Jun-03		20.52	24.39	3.87	3,336.23
	31-Jul-03		21.22	24.84	3.62	3,335.57
	6-Aug-03		21.51	25.10	3.59	3,335.28
	20-Aug-03		21.78	25.28	3.50	3,335.03
	2-Oct-03		22.00	25.35	3.35	3,334.83
	7-Oct-03		21.91	25.23	3.32	3,334.92
	16-Oct-03		22.29	25.64	3.35	3,334.54

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
TMW-1 cont.	22-Oct-03		22.31	25.66	3.35	3,334.52
	28-Oct-03		22.35	25.72	3.37	3,334.47
	6-Nov-03		22.46	25.77	3.31	3,334.37
	10-Nov-03		22.46	25.81	3.35	3,334.37
	18-Nov-03		22.21	25.51	3.30	3,334.63
	4-Dec-03		22.22	25.51	3.29	3,334.62
	17-Dec-03		22.22	25.50	3.28	3,334.62
	22-Dec-03		21.84	25.19	3.35	3,334.99
	2-Jan-04		22.07	25.31	3.24	3,334.76
	19-Jan-04		22.55	25.81	3.29	3,334.31
	27-Jan-04		22.59	25.96	3.37	3,334.22
	2-Feb-04		22.20	26.04	3.34	3,334.12
	17-Feb-04		22.10	24.33	2.23	3,334.89
	25-Feb-04		22.11	24.30	2.19	3,334.88
	1-Mar-04		22.12	24.27	2.15	3,334.88
	10-Mar-04		22.11	24.29	2.18	3,334.88
	15-Mar-04		22.26	25.23	2.97	3,334.61
	17-Mar-04		20.60	25.73	5.13	3,335.95
	22-Mar-04		22.67	25.58	2.91	3,334.21
	24-Mar-04		22.13	24.96	2.83	3,334.77
	29-Mar-04		22.61	25.67	3.06	3,334.25
	31-Mar-04		22.60	25.62	3.02	3,334.27
	12-Apr-04	Not Gauged - Excavation Flooded				
	15-Apr-04	Not Gauged - Excavation Flooded				
	10-Apr-04	Not Gauged - Excavation Flooded				
	19-Apr-04					
	6-May-04		17.52	22.97	5.45	3,338.98
	23-Jun-04					
	25-Jun-04					
	30-Jun-04					
	18-Aug-04		15.44	20.72	5.28	3,341.09
	10-Sep-04					
	21-Sep-04		16.31	20.00	3.69	3,340.46
	5-Oct-04	Not Gauged - Excavation Flooded				
	19-Oct-04		10.69	15.95	5.26	3,345.84
	2-Nov-04		11.05	14.62	3.57	3,345.73
	15-Nov-04		11.43	15.92	4.49	3,345.22
	6-Dec-04		11.87	14.65	2.78	3,345.03
	21-Dec-04		11.41	15.40	3.99	3,345.31
	3-Jan-05		12.68	13.54	0.86	3,344.51
	18-Jan-05		12.90	13.31	0.41	3,344.36
	1-Feb-05		13.17	13.46	0.29	3,344.11
	22-Feb-05		12.97	13.40	0.43	3,344.29
	22-Mar-05					

TABLE 1

Relative Groundwater Elevations and Phase Separated Hydrocarbon Thicknesses

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
TMW-1 cont.	21-Apr-05		13.90	14.97	1.07	3,343.26
	5-May-05		13.89	14.96	1.07	3,343.27
	17-May-05		13.92	14.95	1.03	3,343.25
	8-Jun-05		14.30	14.59	0.29	3,342.98
	22-Jun-05		14.47	14.57	0.10	3,342.84
	20-Jul-05		14.68	14.96	0.28	3,342.60
	15-Aug-05		14.22	14.24	0.02	3,343.10
	31-Aug-05		14.05	14.15	0.10	3,343.26
	14-Sep-05		14.09	14.21	0.12	3,343.21
	28-Sep-05		14.28	14.36	0.08	3,343.03
	9-Nov-05		14.75	14.88	0.13	3,342.55
	18-Nov-05		14.67	14.69	0.02	3,342.65
	30-Nov-05		14.91	14.96	0.05	3,342.40
	14-Dec-05		Trace	15.11	0.00	3,342.21
	28-Dec-05		ND	15.22	0.00	3,342.10

Elevations based on the North American Vertical Datum of 1929.

Yellow shading indicatessampling event

Note: *Heavy rains April 3, 4 & 5, 2004; * denotes excavation flooded 3 weeks.*

TABLE 2

Summary of Groundwater Analytical Results - BTEX

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

Well ID	Sample Date	EPA Method SW 846-8260b				
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m, p-Xylenes (mg/L)	o-Xylene (mg/L)
MW-1	02-Nov-04	0.73	0.32	1.00	1.68	0.537
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	Not Sampled Due to Sample Reduction				
	18-Nov-05	0.104	<0.001	0.0328	0.0347	0.00736
MW - 2	30-Sep-02	<0.001	<0.001	<0.001	<0.001	<0.001
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001
	10-Nov-03	<0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	<0.001	<0.001	<0.001	<0.002	<0.001
	06-May-04	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Aug-04	Well placed in annual sampling program				
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Nov-05	Not Sampled Due to Sample Reduction				
MW - 3	30-Sep-02	<0.001	<0.001	<0.001	<0.001	<0.001
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001
	10-Nov-03	0.005	<0.001	<0.001	<0.002	<0.001
	25-Nov-03	0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	<0.001	<0.001	<0.001	<0.002	<0.001
	06-May-04	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Aug-04	Well placed in annual sampling program				
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	0.00976	0.00189	<0.001	<0.002	<0.001
	18-Nov-05	Not Sampled Due to Sample Reduction				
MW - 4	30-Sep-02	2.43	0.740	0.466	0.946	0.284
	06-Nov-02	3.96	0.015	0.174	0.580	0.108
	27-Feb-03	Not Sampled Due to the Presence of PSH				
	12-May-03	1.880	0.004	0.723	0.548	0.056
	20-Aug-03	Not Sampled Due to the Presence of PSH				
	10-Nov-03	0.408	0.001	0.011	0.011	0.001
	17-Feb-04	0.069	0.001	0.003	0.004	0.001
	06-May-04	0.549	0.213	0.394	0.296	0.194
	18-Aug-04	Not Sampled Due to the Presence of PSH				
	02-Nov-04	0.745	<0.001	0.009	0.006	0.004
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	0.00375	<0.001	0.020	0.0412	0.00844
	18-Nov-05	0.103	<0.001	0.0909	0.0727	<0.001

TABLE 2

Summary of Groundwater Analytical Results - BTEX

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

Well ID	Sample Date	EPA Method SW 846-8260b				
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m, p-Xylenes (mg/L)	o-Xylene (mg/L)
MW-5	30-Sep-02	Not Sampled Due to the Presence of PSH				
	06-Nov-02	Not Sampled Due to the Presence of PSH				
	27-Feb-03	Not Sampled Due to the Presence of PSH				
	12-May-03	0.226	0.010	0.399	0.704	0.57
	20-Aug-03	Not Sampled Due to the Presence of PSH				
	10-Nov-03	0.511	<0.001	1.070	0.625	0.020
	17-Feb-04	0.445	0.048	3.330	3.010	0.153
	06-May-04	0.074	0.021	0.222	0.273	0.148
	24-Aug-04	0.156	0.004	0.232	0.161	0.124
	02-Nov-04	0.371	<0.001	0.021	0.041	0.001
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	Not Sampled Due to Sample Reduction				
	18-Nov-05	0.0886	<0.001	0.0448	0.0394	0.018
MW - 6	30-Sep-02	<0.001	<0.001	<0.001	<0.001	<0.001
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001
	10-Nov-03	<0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	<0.001	<0.001	<0.001	<0.002	<0.001
	06-May-04	0.004	<0.001	<0.001	0.003	0.001
	18-Aug-04	Well placed in annual sampling program				
	02-Nov-04	<0.001	<0.001	<0.001	<0.002	<0.001
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Nov-05	Not Sampled Due to Sample Reduction				
MW - 7	30-Sep-02	<0.001	<0.001	<0.001	<0.001	<0.001
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001
	10-Nov-03	<0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	<0.001	<0.001	<0.001	<0.002	<0.001
	06-May-04	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Aug-04	Well placed in annual sampling program				
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	0.0059	<0.001	<0.001	<0.002	<0.001
	18-Nov-05	Not Sampled Due to Sample Reduction				
MW - 8	30-Sep-02	<0.001	<0.001	<0.001	<0.001	<0.001
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

Summary of Groundwater Analytical Results - BTEX

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

Well ID	Sample Date	EPA Method SW 846-8260b				
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m, p-Xylenes (mg/L)	o-Xylene (mg/L)
MW - 8 (cont.)	10-Nov-03	<0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	<0.001	<0.001	<0.001	<0.002	<0.001
	06-May-04	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Aug-04	Well placed in annual sampling program				
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Nov-05	Not Sampled Due to Sample Reduction				
MW - 9	30-Sep-02	<0.001	<0.001	<0.001	<0.001	<0.001
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001
	10-Nov-03	<0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	0.003	<0.001	<0.001	<0.002	<0.001
	06-May-04	0.003	<0.001	<0.001	<0.002	<0.001
	18-Aug-04	Well placed in annual sampling program				
	02-Nov-04	0.136	<0.001	<0.001	0.012	0.010
	22-Mar-05	0.0146	<0.001	<0.001	<0.002	<0.001
	17-May-05	0.0036	<0.001	<0.001	<0.002	<0.001
	15-Aug-05	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Nov-05	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 10	30-Sep-02	<0.001	<0.001	<0.001	<0.001	<0.001
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001
	10-Nov-03	<0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	<0.001	<0.001	<0.001	<0.002	<0.001
	06-May-04	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Aug-04	Well placed in annual sampling program				
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	0.0251	0.0106	0.00197	0.00231	0.00102
	18-Nov-05	Not Sampled Due to Sample Reduction				
MW-11	30-Sep-02					
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	0.147	<0.001	0.069	0.069	0.033
	10-Nov-03	0.526	<0.001	<0.001	0.080	0.047
	17-Feb-04	0.103	<0.001	<0.001	0.013	0.007
	06-May-04	2.05	<0.005	0.253	0.137	0.119
	18-Aug-04	0.097	<0.001	<0.001	0.003	0.00137
	02-Nov-04	0.087	<0.001	0.00163	<0.002	<0.001
	22-Mar-05	0.0246	<0.001	0.00163	<0.002	<0.001
	17-May-05	0.0263	<0.001	0.00353	<0.002	<0.001
	15-Aug-05	0.0127	<0.001	<0.001	<0.002	<0.001
	18-Nov-05	0.00922	<0.001	0.00115	<0.002	<0.001

TABLE 2

Summary of Groundwater Analytical Results - BTEX

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

Well ID	Sample Date	EPA Method SW 846-8260b				
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m, p-Xylenes (mg/L)	o-Xylene (mg/L)
MW-12	30-Sep-02					
	06-Nov-02	2.30	0.012	0.005	0.292	0.092
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	0.240	<0.001	<0.001	0.008	0.015
	20-Aug-03	0.257	<0.001	<0.001	0.072	0.013
	10-Nov-03	0.544	<0.001	<0.001	<0.002	0.010
	17-Feb-04	1.210	<0.001	<0.001	0.009	0.002
	06-May-04	1.170	<0.002	0.066	0.117	0.030
	18-Aug-04	0.061	<0.001	0.02220	<0.001	<0.001
	02-Nov-04	0.032	<0.001	0.00253	<0.002	<0.001
	22-Mar-05	0.00545	<0.001	0.00366	<0.002	<0.001
	17-May-05	0.00103	<0.001	<0.001	<0.002	<0.001
	15-Aug-05	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Nov-05	<0.001	<0.001	<0.001	<0.002	<0.001
MW-13	30-Sep-02					
	06-Nov-02	0.080	<0.001	<0.001	0.002	0.001
	27-Feb-03	2.14	0.001	0.095	0.711	0.111
	12-May-03	1.65	0.001	0.202	0.069	0.170
	20-Aug-03	1.71	<0.001	0.138	0.015	0.511
	10-Nov-03	1.55	<0.001	0.084	0.003	0.002
	17-Feb-04	0.0430	<0.001	0.015	0.003	<0.001
	06-May-04	0.0873	<0.001	<0.001	0.003	0.002
	18-Aug-04	0.0903	<0.001	0.010	<0.002	<0.001
	02-Nov-04	0.233	<0.001	0.003	0.005	0.004
	22-Mar-05	0.180	<0.001	0.00239	<0.002	<0.001
	17-May-05	0.0758	<0.001	0.00277	<0.002	<0.001
	15-Aug-05	0.00668	<0.001	0.00121	<0.002	<0.001
	18-Nov-05	0.00134	<0.001	0.00121	<0.002	<0.001
MW-14	30-Sep-02					
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001
	10-Nov-03	<0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	<0.001	<0.001	<0.001	<0.002	<0.001
	06-May-04	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Aug-04	<0.001	<0.001	<0.001	0.016	0.008
	02-Nov-04	0.011	<0.001	<0.001	0.006	0.005
	22-Mar-05	<0.001	<0.001	<0.001	<0.002	<0.001
	17-May-05	0.00906	<0.001	<0.001	<0.002	<0.001
	15-Aug-05	<0.001	<0.001	<0.001	<0.002	<0.001
	18-Nov-05	0.00494	<0.001	<0.001	<0.002	<0.001
MW-15	30-Sep-02					
	06-Nov-02	<0.001	<0.001	<0.001	<0.001	<0.001
	27-Feb-03	<0.001	<0.001	<0.001	<0.001	<0.001
	12-May-03	<0.001	<0.001	<0.001	<0.001	<0.001
	20-Aug-03	<0.001	<0.001	<0.001	<0.001	<0.001
	10-Nov-03	<0.001	<0.001	<0.001	<0.002	<0.001
	17-Feb-04	<0.001	<0.001	<0.001	<0.002	<0.001
	06-May-04	<0.001	<0.001	<0.001	<0.002	<0.001

TABLE 2

Summary of Groundwater Analytical Results - BTEX

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

Well ID	Sample Date	EPA Method SW 846-8260b				
		Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	m, p-Xylenes (mg/L)	o-Xylene (mg/L)
MW-15 (cont.)	24-Aug-04	<0.001	<0.001	<0.001	<0.002	<0.001
	02-Nov-04	Well placed in annual sampling program				
	22-Mar-05	Not Sampled Due to Sample Reduction				
	17-May-05	Not Sampled Due to Sample Reduction				
	15-Aug-05	**0.437**	<0.001	<0.001	0.00927	0.0102
	18-Nov-05	Not Sampled Due to Sample Reduction				
TMW-1	02-Nov-04	**4.95**	**2.78**	**1.72**	**2.71**	**0.783**
	18-Nov-05	**1.86**	<0.002	**1.06**	**1.71**	**0.435**
EB-1	30-Sep-02	<0.001	<0.001	<0.001	<0.001	<0.001
NMOCD Remedial Thresholds		0.01	0.75	0.75	0.62	

Note: N.S. denotes well was not sampled due to the presence of PSH.
Results in bold RED are above the NMOCD Remedial Threshold

TABLE 3

Summary of Groundwater Analytical Results - PAHs

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510															
		Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(a)anthracene (µg/L)	Benzo(a)pyrene (µg/L)	Benzo(b)fluoranthene (µg/L)	Benzo(g,h,I)perylene (µg/L)	Benzo(j,k)fluoranthene (µg/L)	Chrysene (µg/L)	Dibenz(a,h)anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indenol(1,2,3-cd)pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)
MW - 2	18-Jun-03	0.118	<0.05	0.061	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.056	0.078	<0.05	<0.05	<0.05	0.121
	22-Mar-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 3	18-Jun-03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 4	18-Jun-03	0.156	0.144	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.498	<0.05	16.7	0.891	<0.05
	02-Nov-04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	2.5	0.227	<0.05
MW - 5	18-Jun-03	0.732	0.856	5.07	0.459	0.249	0.129	<0.05	0.07	0.328	<0.05	0.087	2.68	<0.05	40.3	<0.05	0.284
	24-Aug-04	0.092	0.070	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.114	<0.05	<0.05	0.419	<0.05	7.7	0.898	<0.05
MW - 6	18-Jun-03	<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
	02-Nov-04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 7	18-Jun-03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 8	18-Jun-03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 9	18-Jun-03	<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
	22-Mar-05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0840	<0.05	0.544	0.0580	<0.05
MW - 10	18-Jun-03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW - 11	06-Nov-02	<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
	18-Aug-04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.075	<0.05	1.40	0.154	<0.05
	22-Mar-05	0.068	0.055	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.080	<0.05	1.67	0.296	<0
MW - 12	06-Nov-02	0.070	0.151	0.096	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.662	<0.05	0.198	0.722	0.071
	18-Aug-04	0.079	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.078	<0.05	0.262	0.246	<0.05
	22-Mar-05	0.101	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.166	<0.005	0.107	0.285	<0.005
MW - 13	06-Nov-02	<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	0.232	<0.05	<0.05
	18-Aug-04	0.139	0.086	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.141	<0.05	2.340	0.702	<0.05
	22-Mar-05	0.105	0.072	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.366	<0.05	0.746	0.426	<0.05
MW - 14	06-Nov-02	<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
	18-Aug-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	1.190	0.079	<0.05
	22-Mar-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	0.0710	<0.05	<0.05
MW - 15	06-Nov-02	<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
	24-Aug-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
NMWQCC Standards						**0.7**									**30.0**		

TABLE 4

Summary of Groundwater Sampling Recommendations

Livingston Ridge to Hugh - P. Sims (Ref. #2001-11005)

Monitoring Well	Eight Quarters Below NMQCC Standards	Sampling Schedule				Notes
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
MW-1	No	X	X	X	X	Recommend Annual PAH analysis
MW-2	Yes	X				Recommend Annual PAH analysis
MW-3	Yes	X				
MW-4	No	X	X	X	X	Recommend Annual PAH analysis
MW-5	No	X	X	X	X	Recommend Annual PAH analysis
MW-6	Yes	X				
MW-7	Yes	X				
MW-8	Yes	X				
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
MW-12	No	X	X	X	X	Recommend Annual PAH analysis
MW-13	No	X	X	X	X	Recommend Annual PAH analysis
MW-14	No	X	X	X	X	Recommend Annual PAH analysis
MW-15	No	X	X	X	X	Recommend Annual PAH analysis
TMW-1	No	X	X	X	X	Recommend Annual PAH analysis

APPENDICES

APPENDIX A

GROUNDWATER ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS

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#: 165023 **Report Date:** 04/11/05
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-2
Sample Matrix: water
Date Received: 03/24/2005 **Time:** 09:25
Date Sampled: 03/22/2005 **Time:** 12:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
A/BN Extraction-PAH	---	---	---	---	03/29/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	04/07/05	610 & 8270c	---	---	---	---	---
Acenaphthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	9.2	56.3	104.4	34.4
Acenaphthylene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	7.2	57.8	111.4	36.8
Anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	1.4	50	110.5	33.4
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	0.3	12.3	109.8	35.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	13.7	4	104	32.2
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	17	4.5	113.9	37.7
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	14.2	3	109.4	35.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	16.5	4.4	102.2	34.4
Chrysene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	7.4	15.3	105	44.6
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	12.9	3.7	114.1	43.5
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	5.3	39.4	110.6	38.3
Fluorene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	5.5	59.2	105.7	33.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	10.5	2.8	109.5	35.1
Naphthalene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	3.3	52.5	107.3	38
Phenanthrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	0.2	56.5	108	36
Pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	8.7	37.1	104.6	35.1

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

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:** 2001-11005	**Report#/Lab ID#:** 165023
Attn: Iain Olness	**Sample Name:** LR-HPSO32205MW-2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	35.8	30-110	---
Nitrobenzene-d5	610 & 8270c	19.1	12-110	---
Terphenyl-d14	610 & 8270c	32.1	25-110	---

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

Exceptions Report:

Report #/Lab ID#: 165023 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-2

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
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	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	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	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	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	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.

Notes: _____

ANALYSYS INC.

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

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

Report#/Lab ID#: 165024 **Report Date:** 04/11/05
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-9
Sample Matrix: water
Date Received: 03/24/2005 **Time:** 09:25
Date Sampled: 03/22/2005 **Time:** 11:31

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	---	---	---	---	03/29/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	04/07/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		03/28/05	8260b(5030/5035)	---	---	---	---	---
Benzene	**14.6**	µg/L	1	<1	03/28/05	8260b	---	3.3	96.7	96	95
Ethylbenzene	<1	µg/L	1	<1	03/28/05	8260b	---	5.5	99.5	97.3	103.1
m,p-Xylenes	<2	µg/L	2	<2	03/28/05	8260b	---	5.2	97.3	97	98.6
o-Xylene	<1	µg/L	1	<1	03/28/05	8260b	---	6.2	108.9	105.1	109.8
Toluene	<1	µg/L	1	<1	03/28/05	8260b	---	7.2	105.3	109.7	100.4
Acenaphthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	9.2	56.3	104.4	34.4
Acenaphthylene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	7.2	57.8	111.4	36.8
Anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	1.4	50	110.5	33.4
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	0.3	12.3	109.8	35.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	13.7	4	104	32.2
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	17	4.5	113.9	37.7
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	14.2	3	109.4	35.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	16.5	4.4	102.2	34.4
Chrysene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	7.4	15.3	105	44.6
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	12.9	3.7	114.1	43.5
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	5.3	39.4	110.6	38.3
Fluorene	**0.084**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	5.5	59.2	105.7	33.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	10.5	2.8	109.5	35.1

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

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

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-9

Report#/Lab ID#: 165024
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	**0.544**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	3.3	52.5	107.3	38
Phenanthrene	**0.058**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	0.2	56.5	108	36
Pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	8.7	37.1	104.6	35.1

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 165024
Attn: Iain Olness	**Sample Name:** LR-HPSO32205MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	51.7	30-110	---
Nitrobenzene-d5	610 & 8270c	45.8	12-110	---
Terphenyl-d14	610 & 8270c	38.3	25-110	---
1,2-Dichloroethane-d4	8260b	109	74-124	---
Toluene-d8	8260b	98.3	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165024 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-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.
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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
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	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	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	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	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	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:

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

Report#/Lab ID#: 165025 **Report Date:** 04/11/05
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-11
Sample Matrix: water
Date Received: 03/24/2005 **Time:** 09:25
Date Sampled: 03/22/2005 **Time:** 10:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
A/BN Extraction-PAH	---	---	---	---	03/29/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	04/07/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		03/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	**24.6**	µg/L	1	<1	03/30/05	8260b	---	3.3	96.7	96	95
Ethylbenzene	**1.63**	µg/L	1	<1	03/30/05	8260b	---	5.5	99.5	97.3	103.1
m,p-Xylenes	<2	µg/L	2	<2	03/30/05	8260b	---	5.2	97.3	97	98.6
o-Xylene	<1	µg/L	1	<1	03/30/05	8260b	J	6.2	108.9	105.1	109.8
Toluene	<1	µg/L	1	<1	03/30/05	8260b	---	7.2	105.3	109.7	100.4
Acenaphthene	**0.068**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	9.2	56.3	104.4	34.4
Acenaphthylene	**0.055**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	7.2	57.8	111.4	36.8
Anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	1.4	50	110.5	33.4
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	0.3	12.3	109.8	35.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	13.7	4	104	32.2
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	17	4.5	113.9	37.7
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	14.2	3	109.4	35.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	16.5	4.4	102.2	34.4
Chrysene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	7.4	15.3	105	44.6
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	12.9	3.7	114.1	43.5
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	5.3	39.4	110.6	38.3
Fluorene	**0.08**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	5.5	59.2	105.7	33.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	10.5	2.8	109.5	35.1

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

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: 2001-11005
Sample Name: LR-HPSO32205MW-11

Report#/Lab ID#: 165025
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	1.67	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	3.3	52.5	107.3	38
Phenanthrene	0.296	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	0.2	56.5	108	36
Pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	8.7	37.1	104.6	35.1

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 165025
Attn: Iain Olness	**Sample Name:** LR-HPSO32205MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	52	30-110	---
Nitrobenzene-d5	610 & 8270c	36.3	12-110	---
Terphenyl-d14	610 & 8270c	38.5	25-110	---
1,2-Dichloroethane-d4	8260b	118	74-124	---
Toluene-d8	8260b	102	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165025 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-11

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

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

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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#: 165020 **Report Date:** 04/11/05
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-12
Sample Matrix: water
Date Received: 03/24/2005 **Time:** 09:25
Date Sampled: 03/22/2005 **Time:** 09:29

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]
A/BN Extraction-PAH	---	---	---	---	03/29/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	04/07/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		03/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	**5.45**	µg/L	1	<1	03/30/05	8260b	---	3.3	96.7	96	95
Ethylbenzene	**3.66**	µg/L	1	<1	03/30/05	8260b	---	5.5	99.5	97.3	103.1
m,p-Xylenes	<2	µg/L	2	<2	03/30/05	8260b	---	5.2	97.3	97	98.6
o-Xylene	<1	µg/L	1	<1	03/30/05	8260b	---	6.2	108.9	105.1	109.8
Toluene	<1	µg/L	1	<1	03/30/05	8260b	---	7.2	105.3	109.7	100.4
Acenaphthene	**0.101**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	9.2	56.3	104.4	34.4
Acenaphthylene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	7.2	57.8	111.4	36.8
Anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	1.4	50	110.5	33.4
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	0.3	12.3	109.8	35.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	13.7	4	104	32.2
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	17	4.5	113.9	37.7
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	14.2	3	109.4	35.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	16.5	4.4	102.2	34.4
Chrysene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	7.4	15.3	105	44.6
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	12.9	3.7	114.1	43.5
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	5.3	39.4	110.6	38.3
Fluorene	**0.166**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	5.5	59.2	105.7	33.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	S,M	10.5	2.8	109.5	35.1

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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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-12

Report#/Lab ID#: 165020
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	**0.107**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	3.3	52.5	107.3	38
Phenanthrene	**0.285**	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	0.2	56.5	108	36
Pyrene	<0.05	µg/L	0.05	<0.05	04/07/05	610 & 8270c	---	8.7	37.1	104.6	35.1

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 165020
Attn: Iain Olness	**Sample Name:** LR-HPSO32205MW-12	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	53.1	30-110	---
Nitrobenzene-d5	610 & 8270c	50.6	12-110	---
Terphenyl-d14	610 & 8270c	38.9	25-110	---
1,2-Dichloroethane-d4	8260b	113	74-124	---
Toluene-d8	8260b	104	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165020 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-12

Sample Temperature/Condition: <=6°C

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

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J flag Discussion:

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzo[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	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	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	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	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	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.

Notes:

AnalySys Inc.

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

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

Report#/Lab ID#: 165021 **Report Date:** 04/11/05
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-13
Sample Matrix: water
Date Received: 03/24/2005 **Time:** 09:25
Date Sampled: 03/22/2005 **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	---	---	---	---	03/29/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	04/08/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		03/30/05	8260b(5030/5035)	---	---	---	---	---
Benzene	**180**	µg/L	1	<1	03/30/05	8260b	---	3.3	96.7	96	95
Ethylbenzene	**2.39**	µg/L	1	<1	03/30/05	8260b	---	5.5	99.5	97.3	103.1
m,p-Xylenes	<2	µg/L	2	<2	03/30/05	8260b	---	5.2	97.3	97	98.6
o-Xylene	<1	µg/L	1	<1	03/30/05	8260b	---	6.2	108.9	105.1	109.8
Toluene	<1	µg/L	1	<1	03/30/05	8260b	---	7.2	105.3	109.7	100.4
Acenaphthene	**0.105**	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	9.2	56.3	104.4	34.4
Acenaphthylene	**0.072**	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	7.2	57.8	111.4	36.8
Anthracene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	1.4	50	110.5	33.4
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	0.3	12.3	109.8	35.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	13.7	4	104	32.2
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	17	4.5	113.9	37.7
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	14.2	3	109.4	35.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	16.5	4.4	102.2	34.4
Chrysene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	7.4	15.3	105	44.6
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	12.9	3.7	114.1	43.5
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	5.3	39.4	110.6	38.3
Fluorene	**0.366**	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	5.5	59.2	105.7	33.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	10.5	2.8	109.5	35.1

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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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-13

Report#/Lab ID#: 165021
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	0.746	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	3.3	52.5	107.3	38
Phenanthrene	0.426	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	0.2	56.5	108	36
Pyrene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	8.7	37.1	104.6	35.1

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 165021
Attn: Iain Olness	**Sample Name:** LR-HPSO32205MW-13	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	58.7	30-110	---
Nitrobenzene-d5	610 & 8270c	50.2	12-110	---
Terphenyl-d14	610 & 8270c	77.8	25-110	---
1,2-Dichloroethane-d4	8260b	116	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#: 165021 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-13

Sample Temperature/Condition: <=6°C

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Comments pertaining to Data Qualifiers and QC data:

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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	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	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	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#: 165022 **Report Date:** 04/11/05
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-14
Sample Matrix: water
Date Received: 03/24/2005 **Time:** 09:25
Date Sampled: 03/22/2005 **Time:** 08:10

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	---	---	---	---	03/29/05	3520	---	---	---	---	---
Extractable organics-PAH	---	---	---	---	04/08/05	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---		---		03/28/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	03/28/05	8260b	---	3.3	96.7	96	95
Ethylbenzene	<1	µg/L	1	<1	03/28/05	8260b	---	5.5	99.5	97.3	103.1
m,p-Xylenes	<2	µg/L	2	<2	03/28/05	8260b	J	5.2	97.3	97	98.6
o-Xylene	<1	µg/L	1	<1	03/28/05	8260b	J	6.2	108.9	105.1	109.8
Toluene	<1	µg/L	1	<1	03/28/05	8260b	---	7.2	105.3	109.7	100.4
Acenaphthene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	9.2	56.3	104.4	34.4
Acenaphthylene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	7.2	57.8	111.4	36.8
Anthracene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	1.4	50	110.5	33.4
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	0.3	12.3	109.8	35.7
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	13.7	4	104	32.2
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	17	4.5	113.9	37.7
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	14.2	3	109.4	35.8
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	16.5	4.4	102.2	34.4
Chrysene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	7.4	15.3	105	44.6
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	12.9	3.7	114.1	43.5
Fluoranthene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	5.3	39.4	110.6	38.3
Fluorene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	5.5	59.2	105.7	33.6
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	S,M	10.5	2.8	109.5	35.1

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

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

ANALYSYS INC.

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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: 2001-11005
Sample Name: LR-HPSO32205MW-14

Report#/Lab ID#: 165022
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	**0.071**	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	3.3	52.5	107.3	38
Phenanthrene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	0.2	56.5	108	36
Pyrene	<0.05	µg/L	0.05	<0.05	04/08/05	610 & 8270c	---	8.7	37.1	104.6	35.1

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 165022
Attn: Iain Olness	**Sample Name:** LR-HPSO32205MW-14	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	54.5	30-110	---
Nitrobenzene-d5	610 & 8270c	52.2	12-110	---
Terphenyl-d14	610 & 8270c	60	25-110	---
1,2-Dichloroethane-d4	8260b	108	74-124	---
Toluene-d8	8260b	98	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 165022 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: LR-HPSO32205MW-14

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.
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	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	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	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	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	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:

12040

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 Ridge to Hugh - P. Sims
Project Reference	2001-11005
Project Location	UL-J, Sec. 3, T 21 S, R 37 E
EPI Sampler Name	Manuel Gonzales

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH
165023	1	LR-HPS032205MW-2	G	2	X						X	X		22-Mar	12:45								X
165024	2	LR-HPS032205MW-9	G	6	X						X	X		~~22-Nov~~	11:31	X							X
165025	3	LR-HPS032205MW-11	G	6	X						X	X		~~22-Nov~~	10:05	X							X
	4																						
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Sampler Relinquished: Iain Olness	Date 3/23/04 Time 1630	Received By:	E-mail results to: iolness@hotmail.com and cjreynolds@paalp.com
Relinquished by:	Date 3/24/05 Time 0925	Received By: (lab staff)	REMARKS:
Delivered by:	Sample Cool & Intact Yes No	Checked By:	

T: 2.5°C

12040

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 Ridge to Hugh - P. Sims
Project Reference	2001-11005
Project Location	UL-J, Sec. 3, T 21 S, R 37 E
EPI Sampler Name	Manuel Gonzales

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH
165020 1	LR-HPS032205MW-12	G	6	X						X	X		22-Mar	9:29	X							X
165021 2	LR-HPS032205MW-13	G	6	X						X	X		22-Mar	8:53	X							X
165022 3	LR-HPS032205MW-14	G	6	X						X	X		22-Mar	8:10	X							X
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Sampler Relinquished: Iain Olness	Date 3/23/05 Time 16:30	Received By:
Relinquished by:	Date 3/24/05 Time 0925	Received By: (lab staff) Jennifer, ARI
Delivered by:	Sample Cool & Intact Yes No	Checked By:

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

T. 2.5° C

AnalySys Inc.

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

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

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

Report#/Lab ID#: 167337 **Report Date:** 05/24/05
Project ID: 2001-11005
Sample Name: MW-9
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/17/2005 **Time:** 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	3.6	µg/L	1	<1	05/24/05	8260b	---	1	91.4	88.7	86.9
Ethylbenzene	<1	µg/L	1	<1	05/24/05	8260b	---	6.9	115.5	110.3	115.9
m,p-Xylenes	<2	µg/L	2	<2	05/24/05	8260b	---	7	117.8	114	117.9
o-Xylene	<1	µg/L	1	<1	05/24/05	8260b	---	6.2	115.4	112.3	115.2
Toluene	<1	µg/L	1	<1	05/24/05	8260b	---	5	98.8	97.6	96.7

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

Respectfully Submitted,

Dale Wagner

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 167337
Attn: Iain Olness	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	112	74-124	---
Toluene-d8	8260b	107	89-115	---

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

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

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

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

Report#/Lab ID#: 167338 **Report Date:** 05/24/05
Project ID: 2001-11005
Sample Name: MW-11
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/17/2005 **Time:** 14:18

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	---		---		05/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	26.3	µg/L	1	<1	05/24/05	8260b	---	1	91.4	88.7	86.9
Ethylbenzene	3.53	µg/L	1	<1	05/24/05	8260b	---	6.9	115.5	110.3	115.9
m,p-Xylenes	<2	µg/L	2	<2	05/24/05	8260b	---	7	117.8	114	117.9
o-Xylene	<1	µg/L	1	<1	05/24/05	8260b	---	6.2	115.4	112.3	115.2
Toluene	<1	µg/L	1	<1	05/24/05	8260b	---	5	98.8	97.6	96.7

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

Respectfully Submitted,

Dale Wagner

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 167338
Attn: Iain Olness	**Sample Name:** MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	123	74-124	---
Toluene-d8	8260b	115	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#: 167339 **Report Date:** 05/24/05
Project ID: 2001-11005
Sample Name: MW-12
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/17/2005 **Time:** 13:37

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		05/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.03	µg/L	1	<1	05/24/05	8260b	---	1	91.4	88.7	86.9
Ethylbenzene	<1	µg/L	1	<1	05/24/05	8260b	---	6.9	115.5	110.3	115.9
m,p-Xylenes	<2	µg/L	2	<2	05/24/05	8260b	---	7	117.8	114	117.9
MTBE	<5	µg/L	5	<5	05/24/05	8260b	---	10.8	106.5	119.8	107.5
o-Xylene	<1	µg/L	1	<1	05/24/05	8260b	---	6.2	115.4	112.3	115.2
Toluene	<1	µg/L	1	<1	05/24/05	8260b	---	5	98.8	97.6	96.7

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

Respectfully Submitted,

Dale Wagner

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 167339
Attn: Iain Olness	**Sample Name:** MW-12	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	114	74-124	---
Toluene-d8	8260b	109	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#: 167340 **Report Date:** 05/24/05
Project ID: 2001-11005
Sample Name: MW-13
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/17/2005 **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	---		---		05/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	75.8	µg/L	1	<1	05/24/05	8260b	---	1	91.4	88.7	86.9
Ethylbenzene	2.77	µg/L	1	<1	05/24/05	8260b	---	6.9	115.5	110.3	115.9
m,p-Xylenes	<2	µg/L	2	<2	05/24/05	8260b	---	7	117.8	114	117.9
o-Xylene	<1	µg/L	1	<1	05/24/05	8260b	---	6.2	115.4	112.3	115.2
Toluene	<1	µg/L	1	<1	05/24/05	8260b	---	5	98.8	97.6	96.7

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

Respectfully Submitted,

Dale Wagner

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 167340
Attn: Iain Olness	**Sample Name:** MW-13	**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	111	89-115	---

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

AnalySys Inc.

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

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

Report#/Lab ID#: 167341 **Report Date:** 05/24/05
Project ID: 2001-11005
Sample Name: MW-14
Sample Matrix: water
Date Received: 05/19/2005 **Time:** 07:30
Date Sampled: 05/17/2005 **Time:** 14:41

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		05/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	9.06	µg/L	1	<1	05/23/05	8260b	---	1	91.4	88.7	86.9
Ethylbenzene	<1	µg/L	1	<1	05/23/05	8260b	---	6.9	115.5	110.3	115.9
m,p-Xylenes	<2	µg/L	2	<2	05/23/05	8260b	---	7	117.8	114	117.9
o-Xylene	<1	µg/L	1	<1	05/23/05	8260b	---	6.2	115.4	112.3	115.2
Toluene	<1	µg/L	1	<1	05/23/05	8260b	---	5	98.8	97.6	96.7

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

Respectfully Submitted,

Dale Wagner

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ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 167341
Attn: Iain Olness	**Sample Name:** MW-14	**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	112	89-115	---

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

12-14

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 Ridge to Hugh - P. Sims
Project Reference	2001-11005
Project Location	UL-J, Sec. 3, T 21 S, R 37 E
EPI Sampler Name	Manuel Gonzales

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH				
167337	1 MW-9	G	4	X						X	X		17-May	12:30	X										
167338	2 MW-11	G	4	X						X	X		17-May	14:18	X										
167339	3 MW-12	G	4	X						X	X		17-May	13:37	X										
167340	4 MW-13	G	4	X						X	X		17-May	13:15	X										
167341	5 MW-14	G	4	X						X	X		17-May	14:41	X										
	6																								
	7																								
	8																								
	9																								
	10																								

Sampler Relinquished: Iain Olness	Date: 5/16/05 Time: 1600	Received By:	E-mail results to: iolness@hotmail.com and cjreynolds@paalp.com
Relinquished by:	Date: 5/19/05 Time: 0930	Received By: (lab staff)	REMARKS:
Delivered by:	Sample Cool & Intact Yes No	Checked By:	

T-4.6.2

ANALYSYS INC.

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

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

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

Report#/Lab ID#: 169993 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-2
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		08/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/23/05	8260b	J	5.5	93.3	87.3	89.6
Ethylbenzene	<1	µg/L	1	<1	08/23/05	8260b	---	2	103	98.3	101
m,p-Xylenes	<2	µg/L	2	<2	08/23/05	8260b	---	1.6	104.5	100.3	103.2
o-Xylene	<1	µg/L	1	<1	08/23/05	8260b	---	2.5	109.3	91.6	106.7
Toluene	<1	µg/L	1	<1	08/23/05	8260b	---	6.1	101.4	94.7	96.9

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

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 169993
Attn: Iain Olness	**Sample Name:** MW-2	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.8	70-130	---
Toluene-d8	8260b	104	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 169993 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-2

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

AnalySys Inc.

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

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

Report#/Lab ID#: 169994 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-3
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 13:30

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	---		---		08/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	9.76	µg/L	1	<1	08/23/05	8260b	---	5.5	93.3	87.3	89.6
Ethylbenzene	<1	µg/L	1	<1	08/23/05	8260b	J	2	103	98.3	101
m,p-Xylenes	<2	µg/L	2	<2	08/23/05	8260b	J	1.6	104.5	100.3	103.2
o-Xylene	<1	µg/L	1	<1	08/23/05	8260b	J	2.5	109.3	91.6	106.7
Toluene	1.89	µg/L	1	<1	08/23/05	8260b	---	6.1	101.4	94.7	96.9

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Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 169994
Attn: Iain Olness	**Sample Name:** MW-3	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.6	70-130	---
Toluene-d8	8260b	105	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 169994 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-3

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

ANALYSYS INC.

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

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

Report#/Lab ID#: 169995 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-4
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	3.75	µg/L	1	<1	08/24/05	8260b	---	5.5	93.3	87.3	89.6
Ethylbenzene	20	µg/L	1	<1	08/24/05	8260b	---	2	103	98.3	101
m,p-Xylenes	41.2	µg/L	2	<2	08/24/05	8260b	---	1.6	104.5	100.3	103.2
o-Xylene	8.44	µg/L	1	<1	08/24/05	8260b	---	2.5	109.3	91.6	106.7
Toluene	<1	µg/L	1	<1	08/24/05	8260b	---	6.1	101.4	94.7	96.9

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

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 169995
Attn: Iain Olness	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.8	70-130	---
Toluene-d8	8260b	108	80-127	---

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

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

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

Report#/Lab ID#: 169996 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-6
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 14:30

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	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/24/05	8260b	J	5.5	93.3	87.3	89.6
Ethylbenzene	<1	µg/L	1	<1	08/24/05	8260b	---	2	103	98.3	101
m,p-Xylenes	<2	µg/L	2	<2	08/24/05	8260b	---	1.6	104.5	100.3	103.2
o-Xylene	<1	µg/L	1	<1	08/24/05	8260b	---	2.5	109.3	91.6	106.7
Toluene	<1	µg/L	1	<1	08/24/05	8260b	---	6.1	101.4	94.7	96.9

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Dale Wagner

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 169996
Attn: Iain Olness	**Sample Name:** MW-6	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.5	70-130	---
1,2-Dichloroethane-d4	8260b	90.3	70-130	---
Toluene-d8	8260b	105	80-127	---
Toluene-d8	8260b	107	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 169996 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-6

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

ANALYSYS INC.

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(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#: 169997 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-7
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	5.9	µg/L	1	<1	08/24/05	8260b	---	5.5	93.3	87.3	89.6
Ethylbenzene	<1	µg/L	1	<1	08/24/05	8260b	---	2	103	98.3	101
m,p-Xylenes	<2	µg/L	2	<2	08/24/05	8260b	J	1.6	104.5	100.3	103.2
o-Xylene	<1	µg/L	1	<1	08/24/05	8260b	---	2.5	109.3	91.6	106.7
Toluene	<1	µg/L	1	<1	08/24/05	8260b	---	6.1	101.4	94.7	96.9

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

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:** 2001-11005	**Report#/Lab ID#:** 169997
Attn: Iain Olness	**Sample Name:** MW-7	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.4	70-130	---
Toluene-d8	8260b	109	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 169997 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-7

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

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

Report#/Lab ID#: 169998 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-8
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 15:30

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	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/24/05	8260b	---	5.5	93.3	87.3	89.6
Ethylbenzene	<1	µg/L	1	<1	08/24/05	8260b	---	2	103	98.3	101
m,p-Xylenes	<2	µg/L	2	<2	08/24/05	8260b	---	1.6	104.5	100.3	103.2
o-Xylene	<1	µg/L	1	<1	08/24/05	8260b	---	2.5	109.3	91.6	106.7
Toluene	<1	µg/L	1	<1	08/24/05	8260b	---	6.1	101.4	94.7	96.9

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

Respectfully Submitted,

DW

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:** 2001-11005	**Report#/Lab ID#:** 169998
Attn: Iain Olness	**Sample Name:** MW-8	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	86.6	70-130	---
Toluene-d8	8260b	104	80-127	---

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

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

Report#/Lab ID#: 169999 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-9
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/23/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/23/05	8260b	---	4.4	107.9	102.8	148.5
Ethylbenzene	<1	µg/L	1	<1	08/23/05	8260b	---	1.1	112.5	107.1	112.5
m,p-Xylenes	<2	µg/L	2	<2	08/23/05	8260b	---	3.2	114.1	105.7	112
o-Xylene	<1	µg/L	1	<1	08/23/05	8260b	---	1	115.5	105.4	112
Toluene	<1	µg/L	1	<1	08/23/05	8260b	---	3.2	109.4	104.2	148.9

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

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 169999
Attn: Iain Olness	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	102	70-130	---
Toluene-d8	8260b	107	80-127	---

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#: 170000 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-10
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 16:30

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	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	25.1	µg/L	1	<1	08/24/05	8260b	S,M	7.5	130.9	95.8	99.2
Ethylbenzene	1.97	µg/L	1	<1	08/24/05	8260b	---	1.2	113.8	112.3	116.1
m,p-Xylenes	2.31	µg/L	2	<2	08/24/05	8260b	---	2	113.5	112.7	114.3
o-Xylene	1.02	µg/L	1	<1	08/24/05	8260b	---	1.3	113.5	109.9	112.8
Toluene	10.6	µg/L	1	<1	08/24/05	8260b	S,M	1.6	145	99.6	101.7

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

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 170000
Attn: Iain Olness	**Sample Name:** MW-10	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	70-130	---
Toluene-d8	8260b	110	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170000 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-10

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Toluene	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: _____

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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#: 170001 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-11
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 17:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	12.7	µg/L	1	<1	08/24/05	8260b	S,M	7.5	130.9	95.8	99.2
Ethylbenzene	<1	µg/L	1	<1	08/24/05	8260b	J	1.2	113.8	112.3	116.1
m,p-Xylenes	<2	µg/L	2	<2	08/24/05	8260b	---	2	113.5	112.7	114.3
o-Xylene	<1	µg/L	1	<1	08/24/05	8260b	J	1.3	113.5	109.9	112.8
Toluene	<1	µg/L	1	<1	08/24/05	8260b	S,M	1.6	145	99.6	101.7

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

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 170001
Attn: Iain Olness	**Sample Name:** MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.9	70-130	---
Toluene-d8	8260b	110	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170001 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-11

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Ethylbenzene	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.

Notes:

ANALYSYS INC.

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

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

Report#/Lab ID#: 170002 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-12
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 17:30

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	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/24/05	8260b	J,S,M	7.5	130.9	95.8	99.2
Ethylbenzene	<1	µg/L	1	<1	08/24/05	8260b	---	1.2	113.8	112.3	116.1
m,p-Xylenes	<2	µg/L	2	<2	08/24/05	8260b	---	2	113.5	112.7	114.3
o-Xylene	<1	µg/L	1	<1	08/24/05	8260b	---	1.3	113.5	109.9	112.8
Toluene	<1	µg/L	1	<1	08/24/05	8260b	S,M	1.6	145	99.6	101.7

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

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 170002
Attn: Iain Olness	**Sample Name:** MW-12	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	117	70-130	---
Toluene-d8	8260b	107	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170002 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-12

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzene	J	See J-flag discussion above.
Toluene	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#: 170003 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-13
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 19:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual.[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		08/25/05	8260b(5030/5035)	---	---	---	---	---
Benzene	6.68	µg/L	1	<1	08/25/05	8260b	S,M	7.5	130.9	95.8	99.2
Ethylbenzene	1.21	µg/L	1	<1	08/25/05	8260b	---	1.2	113.8	112.3	116.1
m,p-Xylenes	<2	µg/L	2	<2	08/25/05	8260b	---	2	113.5	112.7	114.3
o-Xylene	<1	µg/L	1	<1	08/25/05	8260b	---	1.3	113.5	109.9	112.8
Toluene	<1	µg/L	1	<1	08/25/05	8260b	S,M	1.6	145	99.6	101.7

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

Respectfully Submitted,

Dale Wagner

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

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 170003
Attn: Iain Olness	**Sample Name:** MW-13	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	70-130	---
Toluene-d8	8260b	105	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170003 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-13

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
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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	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.
Toluene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.

Notes:

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

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

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

Report#/Lab ID#: 170004 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-14
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 18:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	08/25/05	8260b	S,M	7.5	130.9	95.8	99.2
Ethylbenzene	<1	µg/L	1	<1	08/24/05	8260b	---	1.2	113.8	112.3	116.1
m,p-Xylenes	<2	µg/L	2	<2	08/24/05	8260b	---	2	113.5	112.7	114.3
o-Xylene	<1	µg/L	1	<1	08/24/05	8260b	---	1.3	113.5	109.9	112.8
Toluene	<1	µg/L	1	<1	08/25/05	8260b	S,M	1.6	145	99.6	101.7

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

Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 170004
Attn: Iain Olness	**Sample Name:** MW-14	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	70-130	---
Toluene-d8	8260b	107	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170004 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-14

Sample Temperature/Condition: <=6°C

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

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	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.
Toluene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.

Notes: _____

_____

_____

AnalySys Inc.

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

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

Report#/Lab ID#: 170005 **Report Date:** 08/26/05
Project ID: 2001-11005
Sample Name: MW-15
Sample Matrix: water
Date Received: 08/18/2005 **Time:** 16:00
Date Sampled: 08/15/2005 **Time:** 18:30

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	---		---		08/24/05	8260b(5030/5035)	---	---	---	---	---
Benzene	137	µg/L	1	<1	08/24/05	8260b	S,M	7.5	130.9	95.8	99.2
Ethylbenzene	<1	µg/L	1	<1	08/24/05	8260b	---	1.2	113.8	112.3	116.1
m,p-Xylenes	9.27	µg/L	2	<2	08/24/05	8260b	---	2	113.5	112.7	114.3
o-Xylene	10.2	µg/L	1	<1	08/24/05	8260b	---	1.3	113.5	109.9	112.8
Toluene	<1	µg/L	1	<1	08/24/05	8260b	S,M	1.6	145	99.6	101.7

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Dale Wagner

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005	**Report#/Lab ID#:** 170005
Attn: Iain Olness	**Sample Name:** MW-15	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97	70-130	---
Toluene-d8	8260b	109	80-127	---

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

Exceptions Report:

Report #/Lab ID#: 170005 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005
Sample Name: MW-15

Sample Temperature/Condition: <=6°C

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

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Toluene	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.

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

Chain of Custody Form

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Plains All American
Facility Name	Livingston Ridge to Hugh - P. Sims
Project Reference	2001-11005
Project Location	UL-J, Sec. 3, T 21 S, R 37 E
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

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

	LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME
1	170003	MW-13	G	4	X						X	X		15-Aug-05	19:00
2	170004	MW-14	G	4	X						X	X		15-Aug-05	18:00
3	170005	MW-15	G	4	X						X	X		15-Aug-05	18:30
4															
5															
6															
7															
8															
9															
10															

ANALYSIS REQUEST

BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^=$)	pH	TCLP	OTHER >>>	PAH			
X										
X										
X										

Sampler Relinquished:	Date 81705	Received By:	E-mail results to: iolness@envplus.net and cjreynolds@paalp.com
Relinquished by:	Time 300	Received By: (lab staff)	REMARKS:
	Date 8/17/05		
	Time 1600		
Delivered by:	Sample Cool & Intact: Yes (No)	Checked By:	

T=4.5°C

AnalySys Inc.

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

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

Report#/Lab ID#: 173881 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-1
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/02/05	8260b(5030/5035)	---	---	---	---	---
Benzene	104	µg/L	1	<1	12/02/05	8260b	---	3.5	101.7	102.8	100.4
Ethylbenzene	32.8	µg/L	1	<1	12/02/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	34.7	µg/L	2	<2	12/02/05	8260b	---	4.3	100.8	103.1	101.4
o-Xylene	7.36	µg/L	1	<1	12/02/05	8260b	---	4.1	107.7	97.3	108.3
Toluene	<1	µg/L	1	<1	12/02/05	8260b	---	3.3	106.6	108.5	104.8

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 Elton

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ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005 Livingston Ridge to Hugh	**Report#/Lab ID#:** 173881
Attn: Iain Olness	**Sample Name:** MW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	70-130	12/02/05	---
Toluene-d8	8260b	91.6	80-127	12/02/05	---

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

AnalySys Inc.

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

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

Report#/Lab ID#: 173882 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-4
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 12:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS[4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	103	µg/L	1	<1	12/01/05	8260b	---	3.5	101.7	102.8	100.4
Ethylbenzene	90.9	µg/L	1	<1	12/01/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	72.7	µg/L	2	<2	12/01/05	8260b	---	4.3	100.8	103.1	101.4
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	J	4.1	107.7	97.3	108.3
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	106.6	108.5	104.8

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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:** 2001-11005 Livingston Ridge to Hugh	**Report#/Lab ID#:** 173882
Attn: Iain Olness	**Sample Name:** MW-4	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	97.9	70-130	12/01/05	---
Toluene-d8	8260b	92.6	80-127	12/01/05	---

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

Exceptions Report:

Report #/Lab ID#: 173882 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-4

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

ANALYSYS INC.

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

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

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

Report#/Lab ID#: 173883 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-5
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 13:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	88.6	µg/L	1	<1	12/01/05	8260b	---	3.5	101.7	102.8	100.4
Ethylbenzene	44.8	µg/L	1	<1	12/01/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	39.4	µg/L	2	<2	12/01/05	8260b	---	4.3	100.8	103.1	101.4
o-Xylene	18	µg/L	1	<1	12/01/05	8260b	---	4.1	107.7	97.3	108.3
Toluene	<1	µg/L	1	<1	12/01/05	8260b	J	3.3	106.6	108.5	104.8

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 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:** 2001-11005 Livingston Ridge to Hugh **Sample Name:** MW-5	**Report#/Lab ID#:** 173883 **Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	70-130	12/01/05	---
Toluene-d8	8260b	90.6	80-127	12/01/05	---

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

Exceptions Report:

Report #/Lab ID#: 173883 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-5

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
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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
Toluene	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#: 173884 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-9
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 13:30

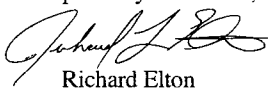
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.5	101.7	102.8	100.4
Ethylbenzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	---	4.3	100.8	103.1	101.4
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	---	4.1	107.7	97.3	108.3
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	106.6	108.5	104.8

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 Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005 Livingston Ridge to Hugh	**Report#/Lab ID#:** 173884
Attn: Iain Olness	**Sample Name:** MW-9	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	70-130	12/01/05	---
Toluene-d8	8260b	100	80-127	12/01/05	---

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

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

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

Report#/Lab ID#: 173885 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-11
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 14:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	9.22	µg/L	1	<1	12/01/05	8260b	---	3.5	101.7	102.8	100.4
Ethylbenzene	1.15	µg/L	1	<1	12/01/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	J	4.3	100.8	103.1	101.4
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	J	4.1	107.7	97.3	108.3
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	106.6	108.5	104.8

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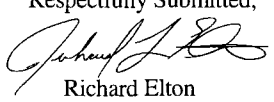
Respectfully Submitted,



Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005 Livingston Ridge to Hugh	**Report#/Lab ID#:** 173885
Attn: Iain Olness	**Sample Name:** MW-11	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.5	70-130	12/01/05	---
Toluene-d8	8260b	93.5	80-127	12/01/05	---

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

Exceptions Report:

Report #/Lab ID#: 173885 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-11

Sample Temperature/Condition: <=6°C

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

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J flag Discussion:

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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.

Notes:

AnalySys Inc.

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

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

Report#/Lab ID#: 173886 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-12
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 14:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	<1	µg/L	1	<1	12/01/05	8260b	J	3.5	101.7	102.8	100.4
Ethylbenzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	---	4.3	100.8	103.1	101.4
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	---	4.1	107.7	97.3	108.3
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	106.6	108.5	104.8

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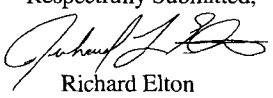
Respectfully Submitted,



Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005 Livingston Ridge to Hugh	**Report#/Lab ID#:** 173886
Attn: Iain Olness	**Sample Name:** MW-12	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.5	70-130	12/01/05	---
Toluene-d8	8260b	93.1	80-127	12/01/05	---

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

Exceptions Report:

Report #/Lab ID#: 173886 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-12

Sample Temperature/Condition: <=6°C

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

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

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

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

Report#/Lab ID#: 173887 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-13
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/02/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1.34	µg/L	1	<1	12/02/05	8260b	---	3.5	101.7	102.8	100.4
Ethylbenzene	<1	µg/L	1	<1	12/02/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	<2	µg/L	2	<2	12/02/05	8260b	---	4.3	100.8	103.1	101.4
o-Xylene	<1	µg/L	1	<1	12/02/05	8260b	---	4.1	107.7	97.3	108.3
Toluene	<1	µg/L	1	<1	12/02/05	8260b	---	3.3	106.6	108.5	104.8

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Richard Elton

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Client: Environmental Plus, Inc.	**Project ID:** 2001-11005 Livingston Ridge to Hugh	**Report#/Lab ID#:** 173887
Attn: Iain Olness	**Sample Name:** MW-13	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	70-130	12/02/05	---
Toluene-d8	8260b	94	80-127	12/02/05	---

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

AnalySys Inc.

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

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

Report#/Lab ID#: 173888 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-14
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 15:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	4.94	µg/L	1	<1	12/01/05	8260b	---	3.5	101.7	102.8	100.4
Ethylbenzene	<1	µg/L	1	<1	12/01/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	<2	µg/L	2	<2	12/01/05	8260b	J	4.3	100.8	103.1	101.4
o-Xylene	<1	µg/L	1	<1	12/01/05	8260b	---	4.1	107.7	97.3	108.3
Toluene	<1	µg/L	1	<1	12/01/05	8260b	---	3.3	106.6	108.5	104.8

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 Elton

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

ANALYSYS INC.

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

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005 Livingston Ridge to Hugh	**Report#/Lab ID#:** 173888
Attn: Iain Olness	**Sample Name:** MW-14	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	106	70-130	12/01/05	---
Toluene-d8	8260b	100	80-127	12/01/05	---

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

Exceptions Report:

Report #/Lab ID#: 173888 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: MW-14

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.

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#: 173889 **Report Date:** 12/05/05
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: TMW-1
Sample Matrix: water
Date Received: 11/22/2005 **Time:** 10:30
Date Sampled: 11/18/2005 **Time:** 16:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
Volatile organics-8260b/BTEX	---		---		12/01/05	8260b(5030/5035)	---	---	---	---	---
Benzene	1860	µg/L	100	<100	12/01/05	8260b	---	3.5	101.7	102.8	100.4
Ethylbenzene	1060	µg/L	100	<100	12/01/05	8260b	---	3.7	99.1	102.8	99.3
m,p-Xylenes	1710	µg/L	200	<200	12/01/05	8260b	---	4.3	100.8	103.1	101.4
o-Xylene	435	µg/L	100	<100	12/01/05	8260b	---	4.1	107.7	97.3	108.3
Toluene	<2	µg/L	2	<2	12/02/05	8260b	J	3.3	106.6	108.5	104.8

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 Elton

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2001-11005 Livingston Ridge to Hugh	**Report#/Lab ID#:** 173889
Attn: Iain Olness	**Sample Name:** TMW-1	**Sample Matrix:** water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	108	70-130	12/01/05	---
Toluene-d8	8260b	94	80-127	12/01/05	---

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

Exceptions Report:

Report #/Lab ID#: 173889 **Matrix:** water
Client: Environmental Plus, Inc. **Attn:** Iain Olness
Project ID: 2001-11005 Livingston Ridge to Hugh
Sample Name: TMW-1

Sample Temperature/Condition: <=6°C

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Comments pertaining to Data Qualifiers and QC data:

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

Notes:

14009

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 Ridge to Hugh - P. Sims
Project Reference	2001-11005
Project Location	UL-J, Sec. 3, T 21 S, R 37 E
EPI Sampler Name	George Blackburn

Bill To

PLAINS ALL AMERICAN PIPELINE, L.P.

Attn: ENV Accounts Payable
P.O. 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			
173881 1	MW-1	G	4	X						X	X		18-Nov-05	12:00	X										
173882 2	MW-4	G	4	X						X	X		18-Nov-05	12:30	X										
173883 3	MW-5	G	4	X						X	X		18-Nov-05	13:00	X										
173884 4	MW-9	G	4	X						X	X		18-Nov-05	13:30	X										
173885 5	MW-11	G	4	X						X	X		18-Nov-05	14:00	X										
173886 6	MW-12	G	4	X						X	X		18-Nov-05	14:30	X										
173887 7	MW-13	G	4	X						X	X		18-Nov-05	15:00	X										
173888 8	MW-14	G	4	X						X	X		18-Nov-05	15:30	X										
173889 9	TMW-1	G	4	X						X	X		18-Nov-05	16:00	X										
10																									

Sampler Relinquished:	Date / Time	Received By: Roger Rollin	E-mail results to: iolness@envplus.net and cjreynolds@paalp.com
Relinquished by: Jaron Hegmann	Date 11-21-05 / Time 16:00	Received By: (lab staff) ASI 10:30am 11-22-05	REMARKS:
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	

Temp: 2.1°