

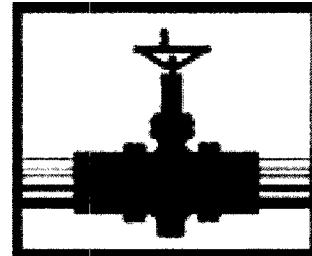
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REPORTS

DATE:

2005



PLAINS
ALL AMERICAN
PIPELINE, L.P.

ANNUAL MONITORING REPORT

**JUNCTION 34 TO LEA
PLAINS REF: 2002-10286**

**NW $\frac{1}{4}$ OF THE SW $\frac{1}{4}$ OF SECTION 21, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO**

**~9.8 MILES NORTHWEST (314°) OF
EUNICE, LEA COUNTY, NEW MEXICO
LATITUDE: N32° 33' 18.8" LONGITUDE: W103° 15' 39.7"**

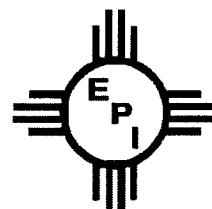
FEBRUARY 1, 2005

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STANDARD OF CARE

Annual Monitoring Report

**Junction 34 to Lea
Ref. # 2002-10286**

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:

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15 February 2005
Date

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2.15.05
Date

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I. Background

The "Junction 34 to Lea" (2002-10286) release site is located approximately 9.79 miles northwest of Eunice in Lea County, New Mexico, at an elevation of approximately 3,505 feet above mean sea level (reference Figures 1 and 2). The site is located in the northwest quarter of the southwest quarter of section 21, range 37 east, township 20 south. There are no residences or surface water bodies within a 1,000-foot radius of the leak site.

The initial New Mexico Oil Conservation Division (NMOCD) notification form C-141 submitted by EOTT reported approximately 300 barrels of crude oil released with 190 barrels recovered. The release is believed to have been due to internal corrosion of the pipeline. The release covered approximately 10,769 square feet of pipeline right-of-way, caliche road and land owned by the Deck Estate.

Upon discovery of the release on November 6, 2002, Environmental Plus, Inc. (EPI) and EOTT personnel mobilized to the site and excavated down to the pipeline and installed a pipe repair clamp. In addition, the surficial saturated soil was excavated and hauled to an approved land farm. Following the removal of the surficial saturated soil, approximately 50 cubic yards of impacted soil in the vicinity of the release source were excavated and hauled to an approved land farm.

During initial investigative activities conducted from February 6-11, 2003, which included the advancement of nine soil borings, it was determined that groundwater was situated approximately 20 feet below ground surface (bgs) and that groundwater had been impacted. Three of the soil borings were completed as groundwater monitoring wells to monitor contaminant levels and/or recover phase separated hydrocarbons (PSH) (reference Figure 3). Upon completion of the soil borings and installation of the three groundwater monitoring wells, mitigation activities commenced, specifically, the excavation of impacted soil to a depth of approximately 25 feet bgs. This soil was stockpiled within a fenced area.

Due to fact that soil and groundwater had been impacted above NMOCD remedial thresholds, a *Groundwater and Soil Remediation Proposal* was submitted in June 2003. This plan recommended to a) treat hydrocarbons in groundwater with *in-situ* activated carbon; b) backfill the excavation with blended soil; c) cap the excavation with a compacted clay barrier; d) backfill with three feet of native topsoil; and e) re-vegetate to landowner specifications.

In April 2004, an *Annual Monitoring Report* was submitted to the NMOCD documenting the results of the 2003 sampling and field activities. In addition, the report recommended continued quarterly sampling of the groundwater monitoring well network and semi-monthly gauging/recovery of PSH and semi-monthly gauging of water levels.

II. Field Activities

Site visits were made to the site on January 2, January 30, June 3, June 15, July 8, September 10, September 21, October 15, November 9, November 16 and December 7, 2004 to record PSH/groundwater levels and recover PSH from groundwater monitoring well MW-1. In addition,

the rest of the groundwater monitoring well network was gauged to determine depth to groundwater.

Site visits were made on May 5, May 25, July 26, October 4 and December 17, 2004 to complete the aforementioned activities and collect groundwater samples for laboratory analyses.

Four additional groundwater monitoring wells were installed around the release area from May 13 through May 21, 2004. These additional wells (MW-4 through MW-7) were installed to delineate the lateral extent of hydrocarbon impacts to the aquifer. Groundwater monitoring well MW-4 was installed near the northwest corner of the excavation and the screen set from 24 to 34 feet below ground surface (bgs). Groundwater monitoring well MW-5 was installed near the northeast corner of the excavation and the screen set from 19 to 29 feet bgs. Groundwater monitoring well MW-6 was installed approximately 40 feet south of the southwest corner of the excavation and the screen set from 27 to 37 feet bgs. Groundwater monitoring well MW-7 was installed approximately 90 feet southeast from the southeast corner of the excavation and the screen set from 20 to 30 feet bgs. Reference *Figure 3* for the locations of the groundwater monitoring wells and *Appendix B* for the soil boring logs and well construction diagrams.

In July 2004, a water sparging system was installed at the site. The sparging system consisted of perforated poly-vinyl chloride (PVC) piping attached to an air compressor. The perforated PVC piping was laid in the water pools located in the base of the excavation and air was blown through the piping in order to aerate the water.

III. Groundwater Gradient and PSH Thickness

Monitoring wells were gauged prior to bailing to determine the depth to groundwater and the thickness of PSH, if present. Measurements of groundwater levels during the past year indicate, except for minor fluctuations, water levels rose approximately 0.4 feet during the past year. PSH levels in the impacted monitoring well (MW-3) ranged from non-detectable to 0.03 feet. PSH was only detected on the water column during 4 of the sixteen site visits conducted during the past year, with the last detection occurring in October. A summary of groundwater elevations and PSH thickness is included as *Table 1*.

IV. PSH Recovery

Recovery of PSH has been accomplished via absorbent socks during the past year. Due to the fact that PSH recovery is accomplished via absorbent socks and aeration of groundwater in the excavation, the volume of PSH recovered during the past year is not known. However, the absorbent socks are changed on approximately a monthly basis. In addition, absorbent booms were placed around the perimeter of the exposed groundwater in the excavation basin to recover PSH on the water surface and are changed quarterly. There has been no evidence of PSH (i.e., sheen) in the pools located in the excavation since October 2004. The site is fenced and the exposed groundwater covered with netting to prevent wildlife and livestock from utilizing the water.

V. Groundwater Sampling

Groundwater monitoring wells MW-1, MW-2 and MW-3 were sampled on May 5, 2004 and the samples submitted for quantification of BTEX using EPA Method 8260b and TPH using EPA Method 8015 modified.

Groundwater monitoring wells MW-4, MW-5, MW-6 and MW-7 were sampled on May 25, 2004 and the samples submitted for quantification of BTEX using EPA Method 8260b and TPH using EPA Method 8015 modified.

The groundwater monitoring well network was sampled on July 26, 2004 and the samples submitted for quantification of BTEX via EPA Method 8260B, poly-aromatic hydrocarbons (PAHs) via EPA Method 3 610 and 8270c and chlorides via EPA Method 325.2 and 9251. Groundwater monitoring well MW-3 was not sampled during this sampling event.

The groundwater monitoring well network was sampled on October 4 and December 17, 2004 and the samples submitted for quantification of BTEX using EPA Method 8260b.

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

VI. Groundwater Analytical Results

Analytical results for the samples from groundwater monitoring well MW-1 indicated benzene concentrations ranging from 1,070 micrograms per liter ($\mu\text{g/L}$) to 2,960 $\mu\text{g/L}$, toluene concentrations ranging from 2.36 $\mu\text{g/L}$ to 7.77 $\mu\text{g/L}$, ethylbenzene concentrations ranging from 583 $\mu\text{g/L}$ to 1,520 $\mu\text{g/L}$ and total xylene concentrations ranging from 232 $\mu\text{g/L}$ to 891 $\mu\text{g/L}$ (reference *Table 2*). The reported benzene concentrations were above the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards of 10 $\mu\text{g/L}$ for all four sampling events in 2004. The reported ethylbenzene concentrations were above the NMWQCC Groundwater Standards of 750 $\mu\text{g/L}$ for the final three sampling events in 2004. The reported total xylene concentrations were above the NMWQCC Groundwater Standards of 620 $\mu\text{g/L}$ for the final sampling event in 2004. Toluene concentrations were below the NMWQCC Groundwater Standards of 750 $\mu\text{g/L}$ for all four sampling events in 2004. Analytical results for the sample collected on July 26, 2004, reported chloride concentrations at 1,740 milligrams per liter (mg/L), above the NMWQCC Groundwater Standards of 250 mg/L and PAH concentrations at 45.5 $\mu\text{g/L}$. PAH concentrations for total naphthalene were above the NMWQCC Groundwater Standard for total naphthalene plus monomethylnaphthalene of 30 $\mu\text{g/L}$.

Analytical results for samples collected from groundwater monitoring well MW-2 indicated benzene concentrations ranging from 1,880 $\mu\text{g/L}$ to 6,020 $\mu\text{g/L}$, toluene concentrations ranging from non-detectable (ND) at or above method detection limits (MDL) to 10.4 $\mu\text{g/L}$, ethylbenzene concentrations ranging from 574 $\mu\text{g/L}$ to 1,740 $\mu\text{g/L}$ and total xylene concentrations ranging from 161 $\mu\text{g/L}$ to 926 $\mu\text{g/L}$ (reference *Table 2*). The reported benzene concentrations were above the NMWQCC Groundwater Standards of 10 $\mu\text{g/L}$ for all four sampling events in 2004. The reported ethylbenzene concentrations were above the NMWQCC Groundwater Standards of 750

µg/L for two of the four sampling events in 2004. The reported total xylene concentrations were above the NMWQCC Groundwater Standards of 620 µg/L for one sampling event in 2004. Toluene concentrations were below the NMWQCC Groundwater Standards of 750 µg/L for all four sampling events in 2004. Analytical results for the sample collected on July 26, 2004, reported chloride concentrations at 2,100 milligrams per liter (mg/L), above the NMWQCC Groundwater Standards of 250 mg/L and PAH concentrations at 49.5 µg/L. PAH concentrations for total naphthalene were above the NMWQCC Groundwater Standard for total naphthalene plus monomethylnaphthalene of 30 µg/L.

Analytical results for samples collected from groundwater monitoring well MW-3 indicated benzene concentrations ranging from 1.65 µg/L to 2,510 µg/L, toluene concentrations ranging from ND at or above the MDL to 490 µg/L, ethylbenzene concentrations ranging from ND to 972 µg/L and total xylene concentrations ranging from ND to 965 µg/L (reference *Table 2*). The reported benzene concentrations were above the NMWQCC Groundwater Standards of 10 µg/L for the last two sampling events in 2004. The reported ethylbenzene concentrations were above the NMWQCC Groundwater Standards of 750 µg/L for the final sampling event in 2004. The reported total xylene concentrations were above the NMWQCC Groundwater Standards of 620 µg/L for the final two sampling events in 2004. Toluene concentrations were below the NMWQCC Groundwater Standards of 750 µg/L for all three sampling events.

Analytical results for samples collected from groundwater monitoring well MW-4 indicated benzene concentrations ranging from ND at or above the MDL to 3.93 µg/L, toluene concentrations ranging from ND at or above the MDL to 1.01 µg/L, ethylbenzene concentrations ranging from 93.4 µg/L to 447 µg/L and total xylene concentrations ranging from ND at or above the MDL to 485 µg/L (reference *Table 2*). Reported concentrations for all organic analytes were below their respective NMWQCC Groundwater Standards for all four sampling events in 2004. Analytical results for the sample collected on July 26, 2004, reported chloride concentrations at 2,230 milligrams per liter (mg/L), above the NMWQCC Groundwater Standards of 250 mg/L and PAH concentrations at 39.2 µg/L. PAH concentrations for total naphthalene were above the NMWQCC Groundwater Standard for total naphthalene plus monomethylnaphthalene of 30 µg/L.

Analytical results for samples collected from groundwater monitoring well MW-5 indicated benzene concentrations ranging from 69.2 µg/L to 178 µg/L, toluene concentrations ranging from ND at or above the MDL to 20.9 µg/L, ethylbenzene concentrations ranging from 199 µg/L to 654 µg/L and total xylene concentrations ranging from 8.96 µg/L to 639 µg/L (reference *Table 2*). The reported benzene concentrations were above the NMWQCC Groundwater Standards of 10 µg/L for all four sampling events in 2004. The reported total xylene concentrations were above the NMWQCC Groundwater Standards of 620 µg/L for the initial sampling event in 2004. Toluene and ethylbenzene concentrations were below the NMWQCC Groundwater Standards of 750 µg/L for all three sampling events. Analytical results for the sample collected on July 26, 2004, reported chloride concentrations at 2,480 milligrams per liter (mg/L), above the NMWQCC Groundwater Standards of 250 mg/L and PAH concentrations at 35.4 µg/L. PAH concentrations for total naphthalene were above the NMWQCC Groundwater Standard for total naphthalene plus monomethylnaphthalene of 30 µg/L.

Analytical results for samples collected from groundwater monitoring well MW-6 indicated benzene concentrations ranging from ND at or above the MDL to 641 µg/L, toluene concentrations ranging from ND at or above the MDL to 5.33 µg/L, ethylbenzene concentrations ranging from 1.22 µg/L to 161 µg/L and total xylene concentrations ranging from ND at or above the MDL to 201 µg/L (reference *Table 2*). The reported benzene concentrations were above the NMWQCC Groundwater Standards of 10 µg/L for the first three sampling events in 2004. Toluene and ethylbenzene concentrations were below the NMWQCC Groundwater Standards of 750 µg/L for all four sampling events. Total xylene concentrations were also below the NMWQCC Groundwater Standards of 620 µg/L for all four sampling events. Analytical results for the sample collected on July 26, 2004, reported chloride concentrations at 2,090 milligrams per liter (mg/L), above the NMWQCC Groundwater Standards of 250 mg/L and PAH concentrations at 8.01 µg/L.

Analytical results for samples collected from groundwater monitoring well MW-7 indicated benzene concentrations ranging from 1,840 µg/L to 3,260 µg/L, toluene concentrations ranging from ND at or above the MDL to 608 µg/L, ethylbenzene concentrations ranging from 604 µg/L to 1,180 µg/L and total xylene concentrations ranging from 484 µg/L to 2,075 µg/L (reference *Table 2*). The reported benzene concentrations were above the NMWQCC Groundwater Standards of 10 µg/L for all four sampling events in 2004. The reported ethylbenzene concentrations were above the NMWQCC Groundwater Standards of 740 µg/L for two of the four sampling events in 2004. The reported total xylene concentrations were above the NMWQCC Groundwater Standards of 620 µg/L for two of the four sampling events in 2004. Toluene concentrations were below the NMWQCC Groundwater Standards of 750 µg/L for all four sampling events. Analytical results for the sample collected on July 26, 2004, reported chloride concentrations at 2,320 milligrams per liter (mg/L), above the NMWQCC Groundwater Standards of 250 mg/L and PAH concentrations at 37.1 µg/L. PAH concentrations for total naphthalene were above the NMWQCC Groundwater Standard for total naphthalene plus monomethylnaphthalene of 30 µg/L.

A summary of groundwater analytical results is included as Tables 2 and 3 and copies of the analytical results and chain-of-custodies are included as Appendix A.

VII. Recommendations

Based on field monitoring and analytical results collected during the past year, the following recommendations are made:

- 1) Continue to monitor for the presence of PSH on a semi-monthly basis. In addition, collect groundwater level data from the monitoring well network and check the operation of the water sparging system on a semi-monthly basis.
- 2) Conduct quarterly sampling activities of the groundwater monitoring well network and submit the samples for quantification of BTEX. Samples should be analyzed for the presence of poly-aromatic hydrocarbons (PAH) during the initial sampling event of 2005. Groundwater monitoring wells from which samples indicate concentrations above the NMWQCC standards for PAH should incorporate PAH quantification into the quarterly sampling plan.

- 3) Install three additional groundwater monitoring wells south of the excavation (reference *Figure 19*). These wells shall be utilized to delineate the lateral extent of impacted groundwater and to monitor the migration of the contaminant plume.

FIGURES

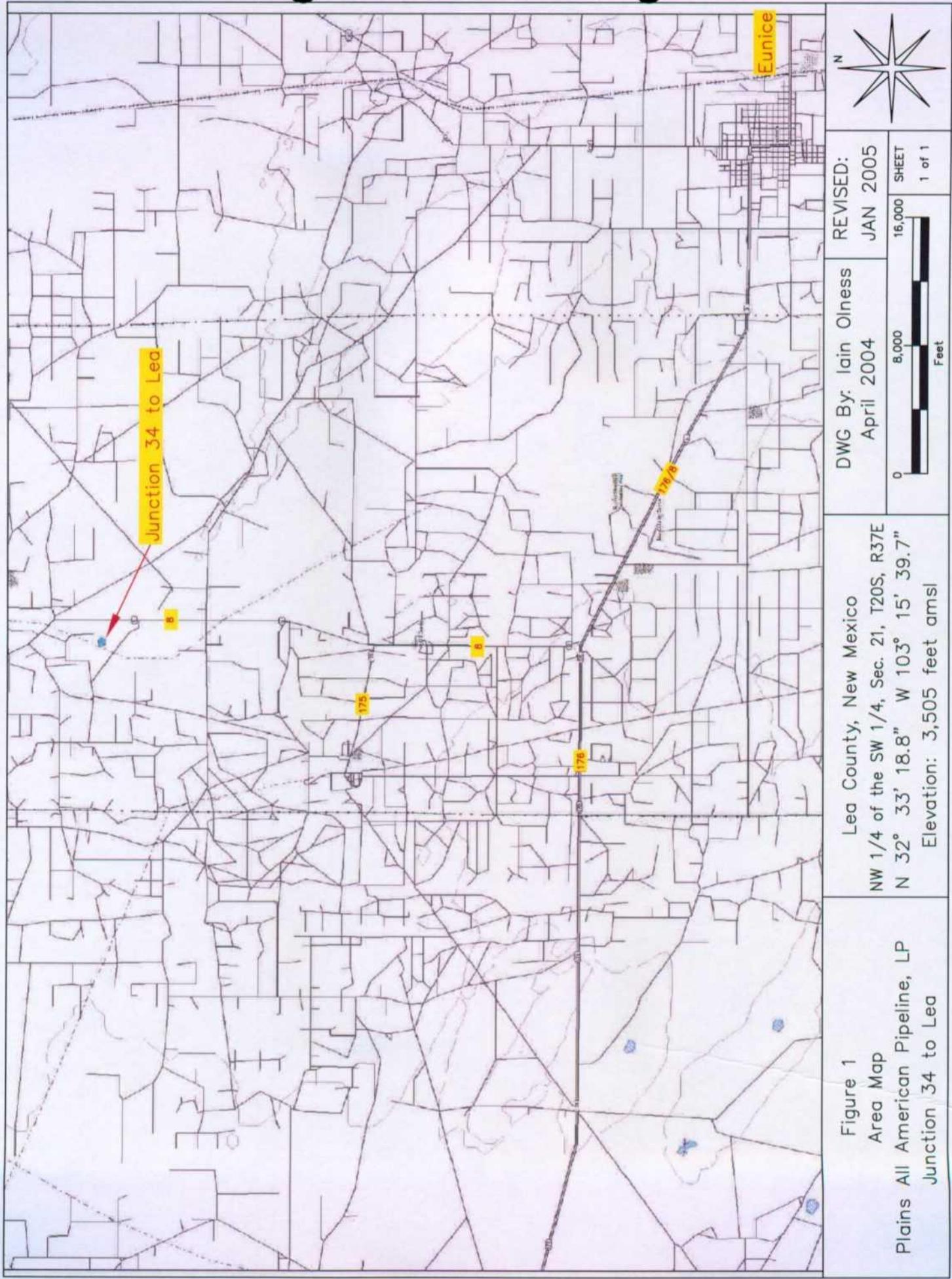


Figure 1
 Area Map
 Plains All American Pipeline, LP
 Junction 34 to Lea

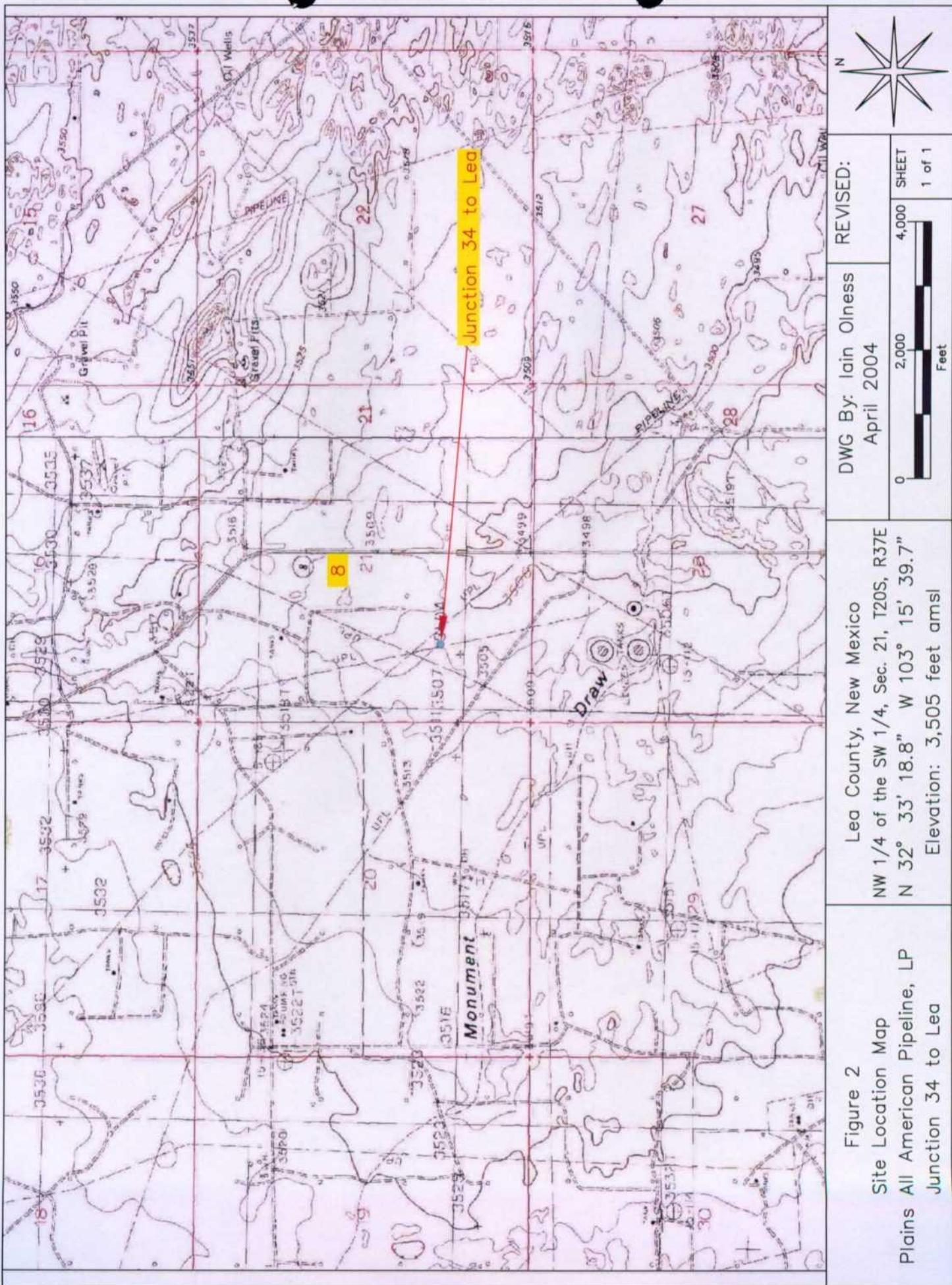
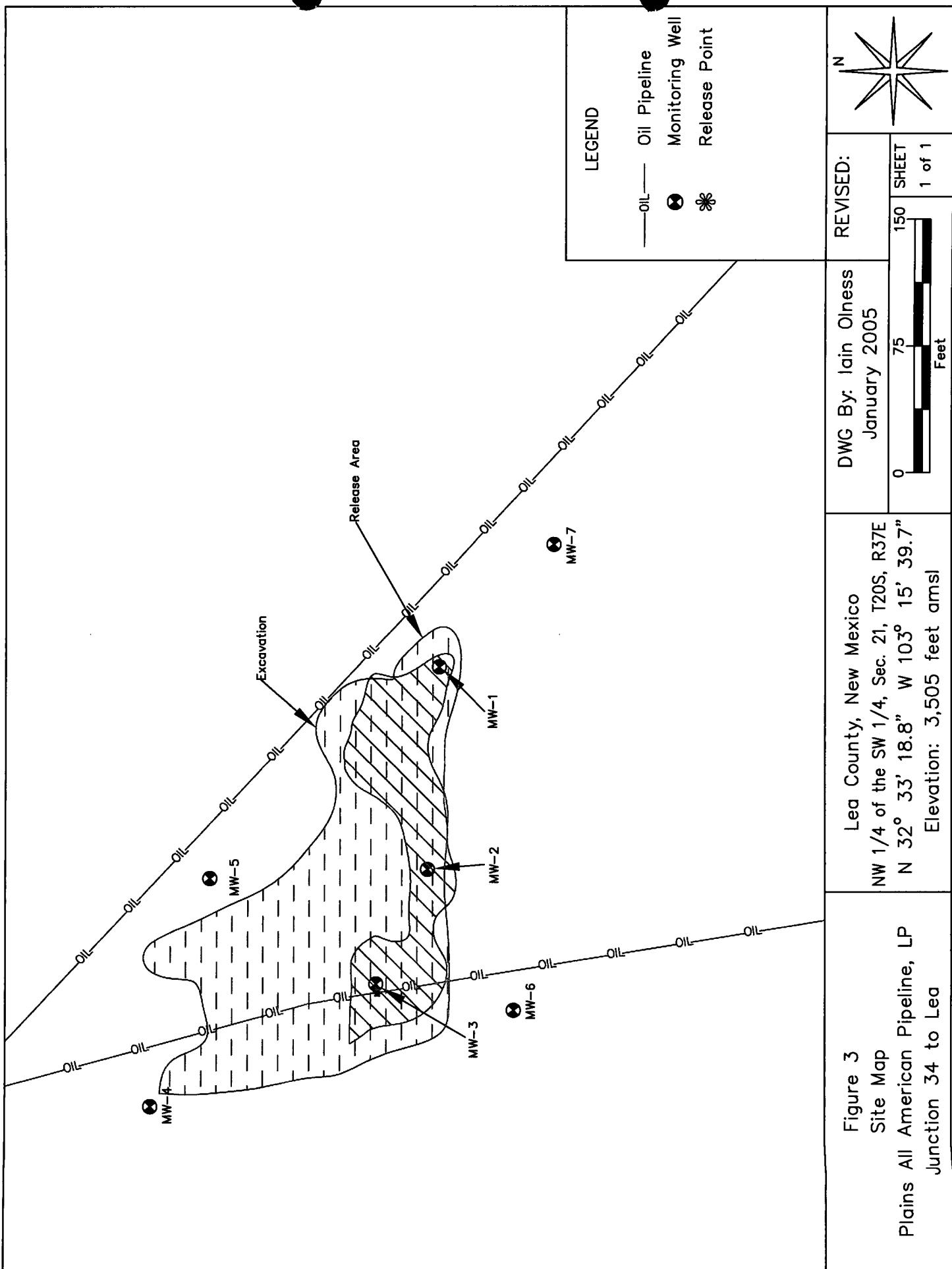


Figure 2
Site Location Map
Plains All American Pipeline, LP
Junction 34 to Lea



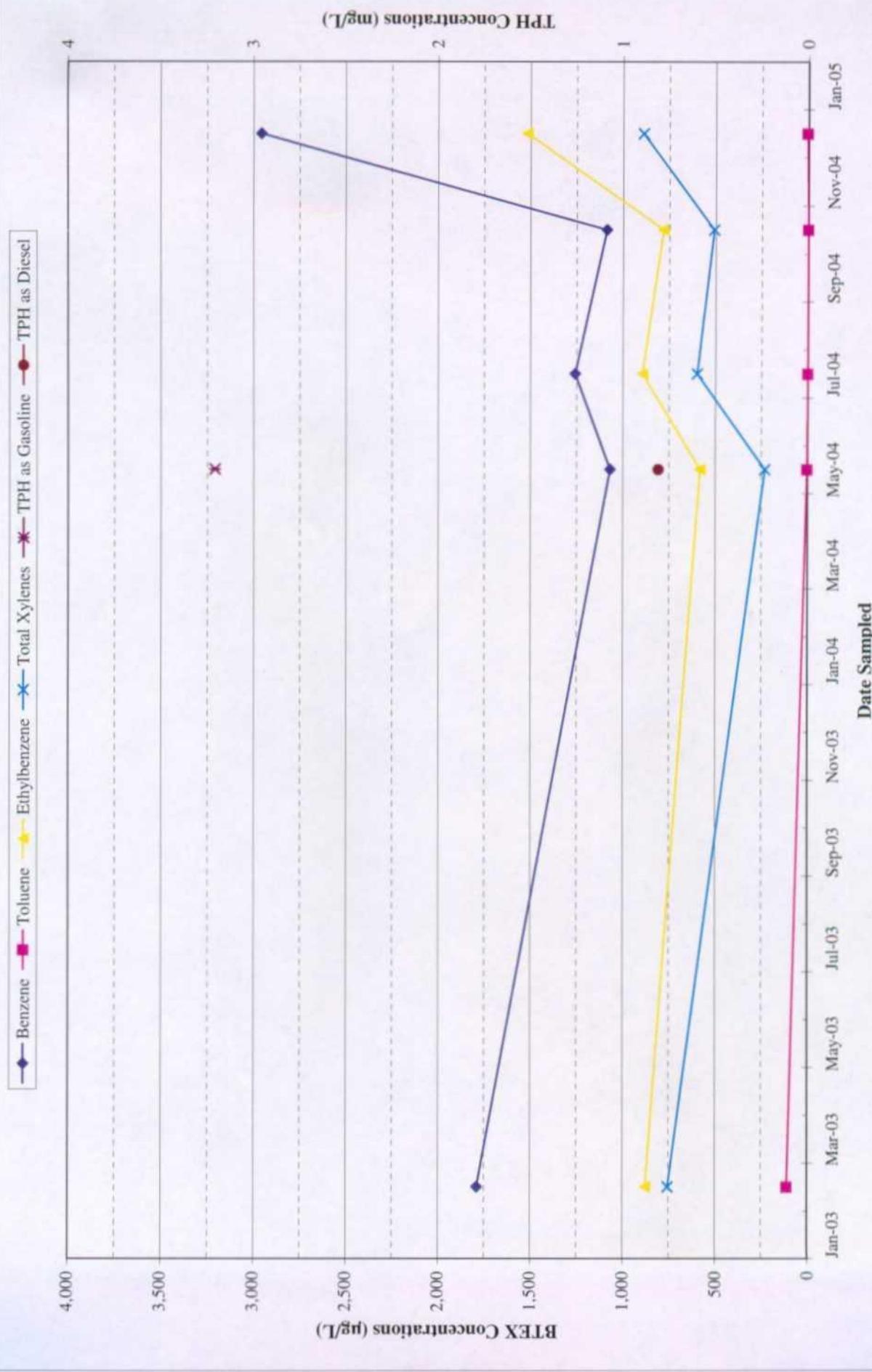


Figure 4: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-1 from 02/27/03 through 12/31/04, Plains All American Pipeline Junction 34 to Lea, Lea County, New Mexico.

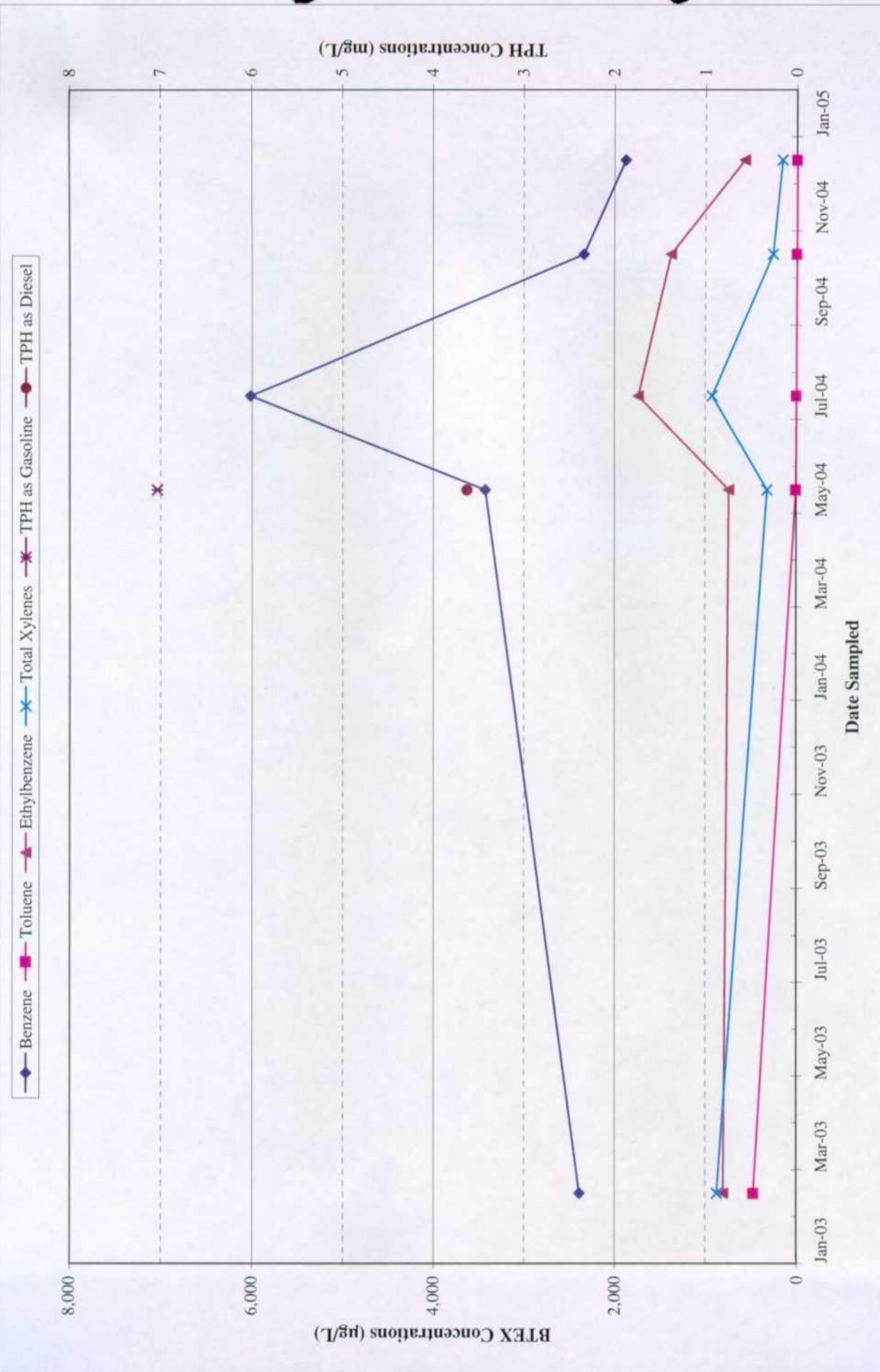


Figure 5: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-2 from 02/27/03 through 12/31/04, Plains All American Pipeline Junction 34 to Lea, Lea County, New Mexico.

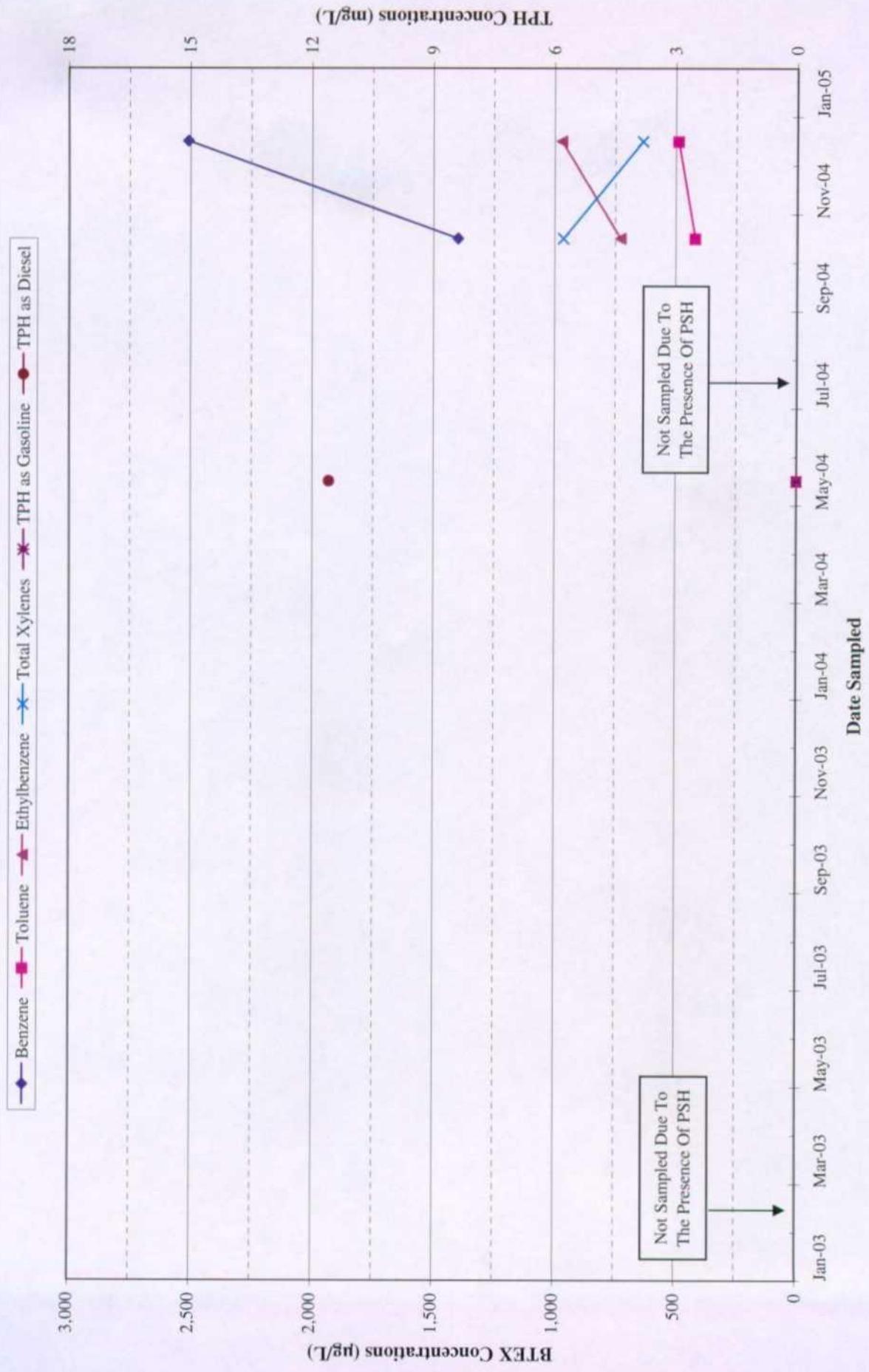


Figure 6: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-3 from 02/27/03 through 12/31/04, Plains All American Pipeline Junction 34 to Lea, Lea County, New Mexico.

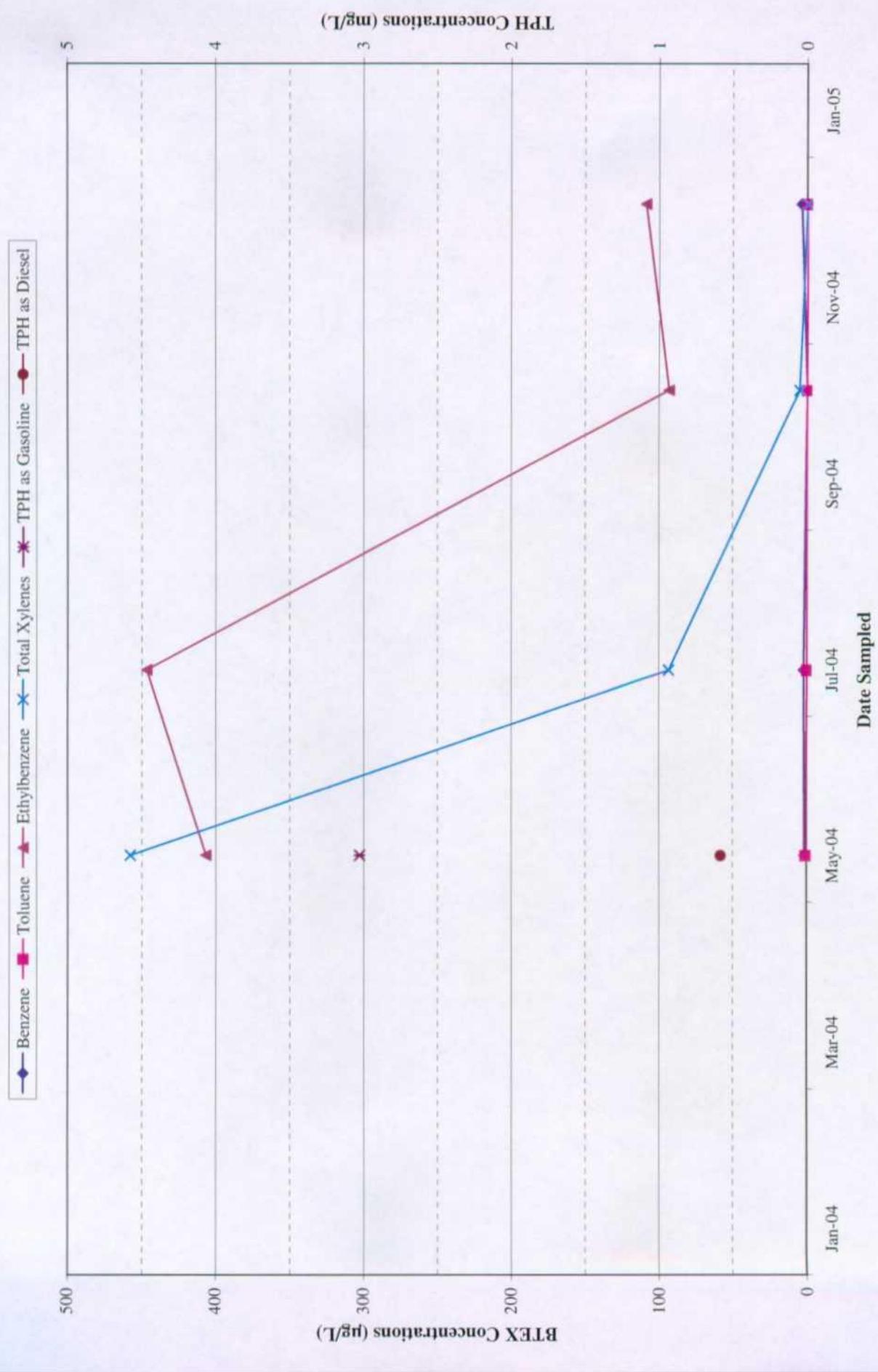


Figure 7: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-4 from 05/25/04 through 12/31/04, Plains All American Pipeline Junction 34 to Lea, Lea County, New Mexico.

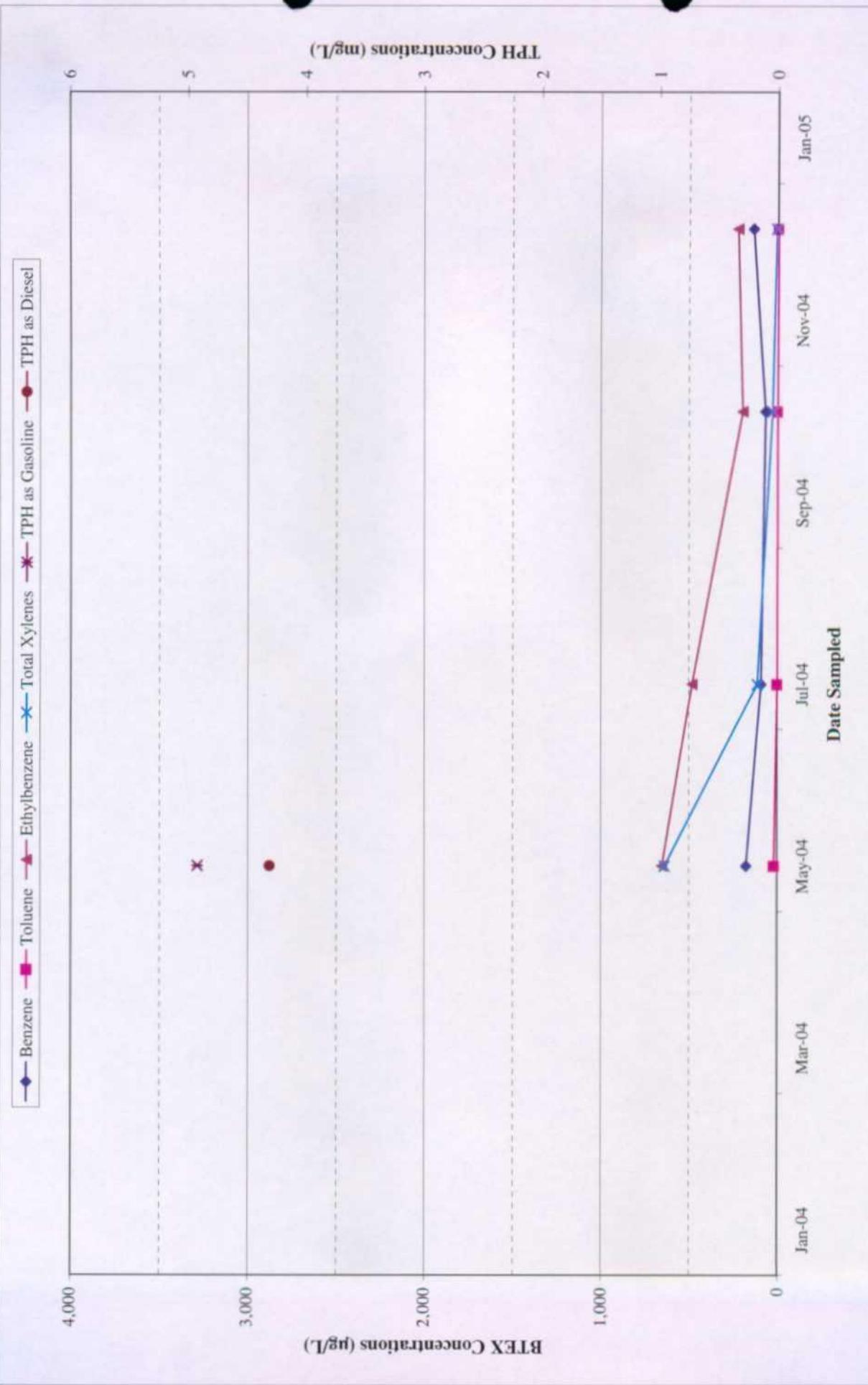


Figure 8: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-5 from 05/25/04 through 12/31/04, Plains All American Pipeline Junction 34 to Lea, Lea County, New Mexico.

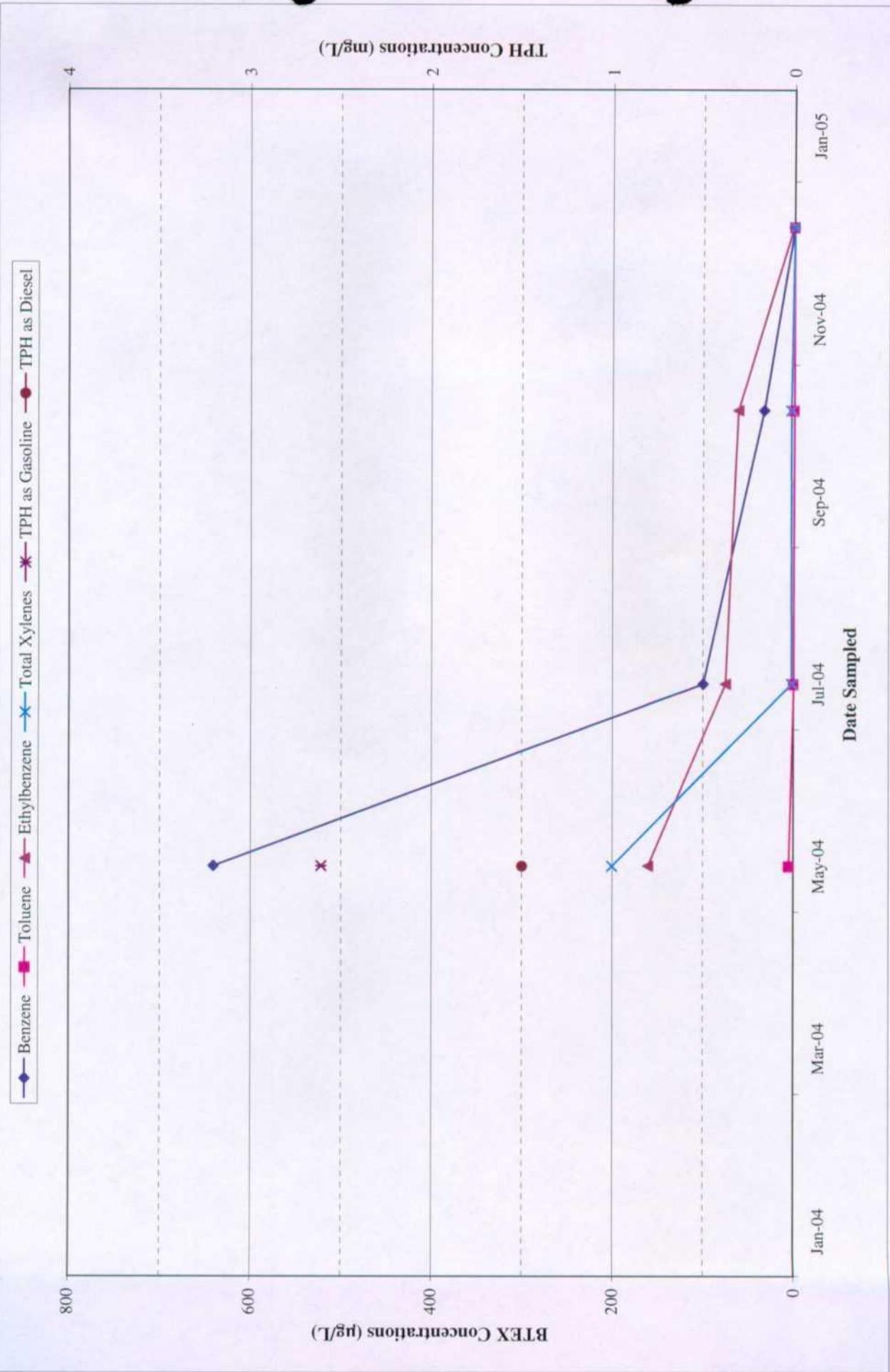


Figure 9: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-6 from 05/25/04 through 12/31/04, Plains All American Pipeline Junction 34 to Lea, Lea County, New Mexico.



Figure 10: TPH and BTEX Concentrations in Groundwater Monitoring Well MW-7 from 05/25/04 through 12/31/04, Plains All American Pipeline Junction 34 to Lea, Lea County, New Mexico.

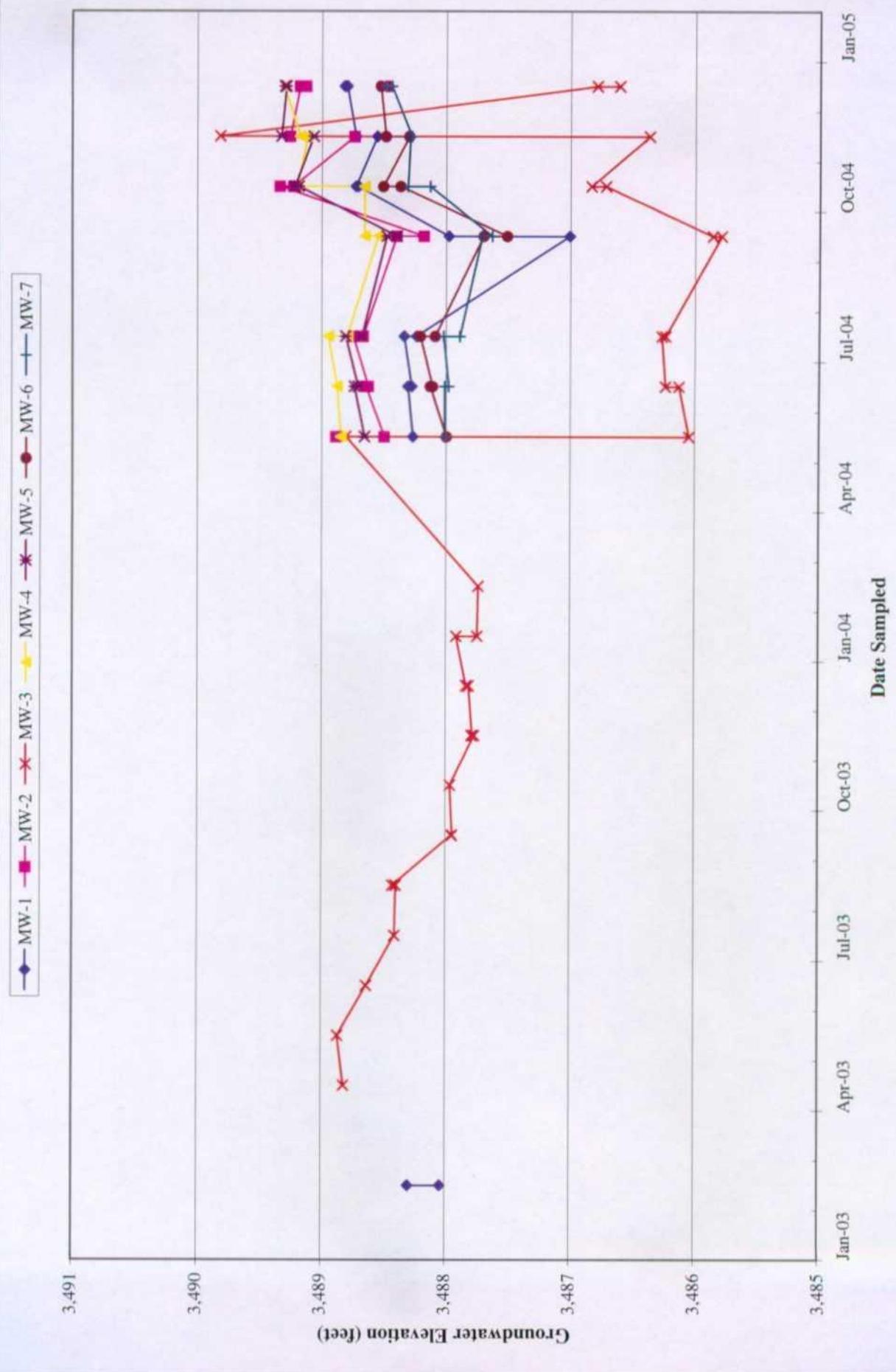
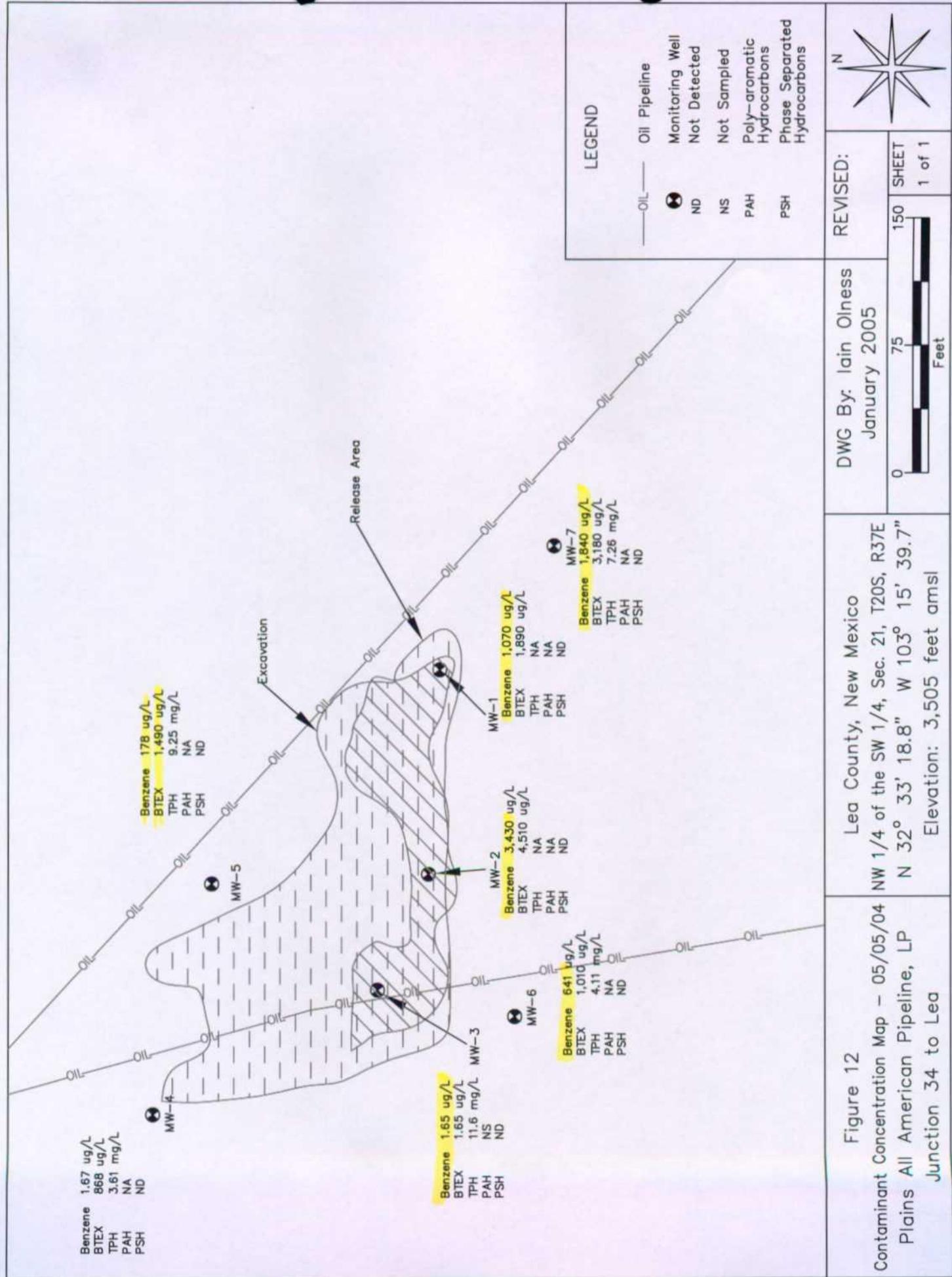
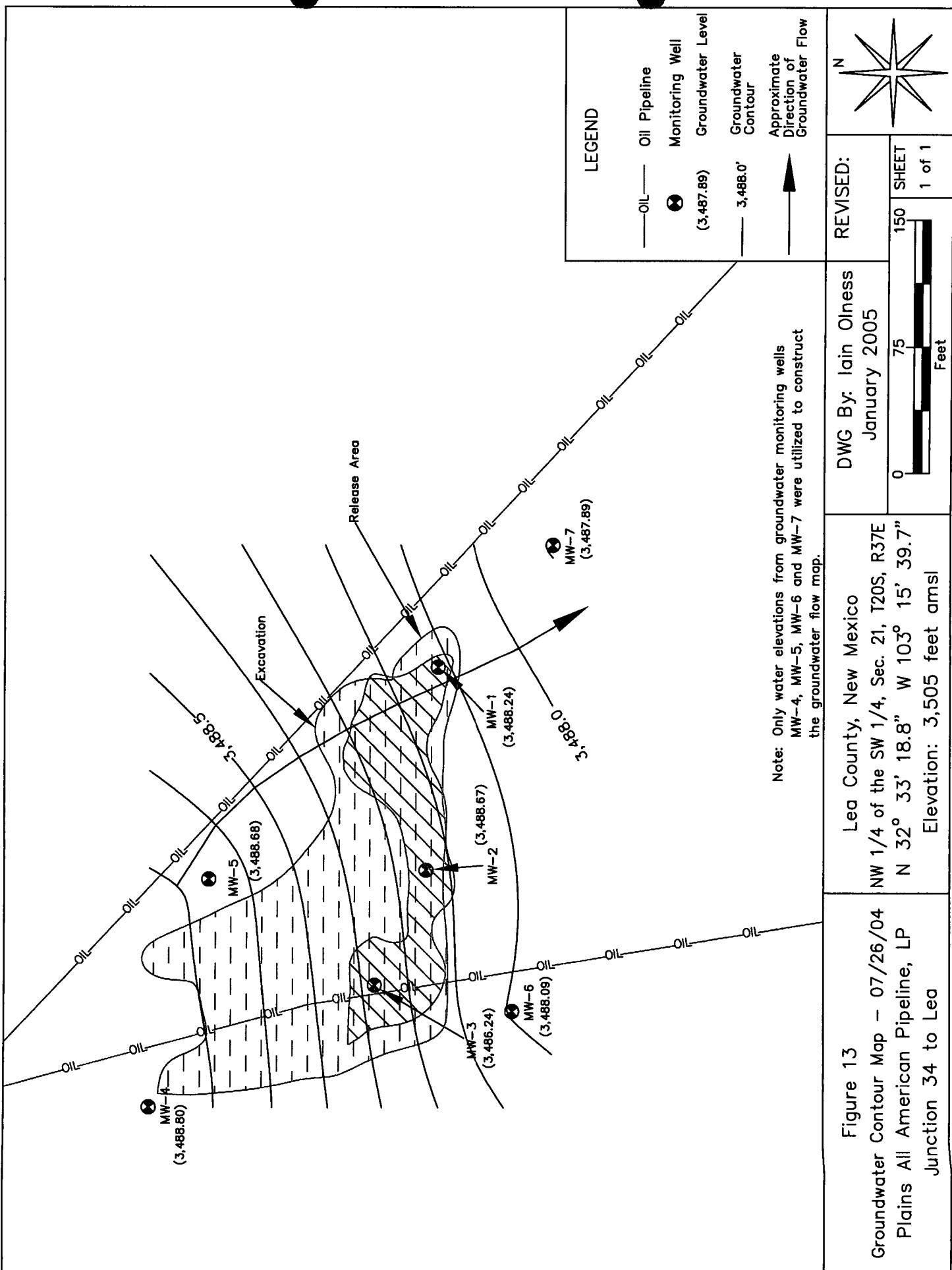
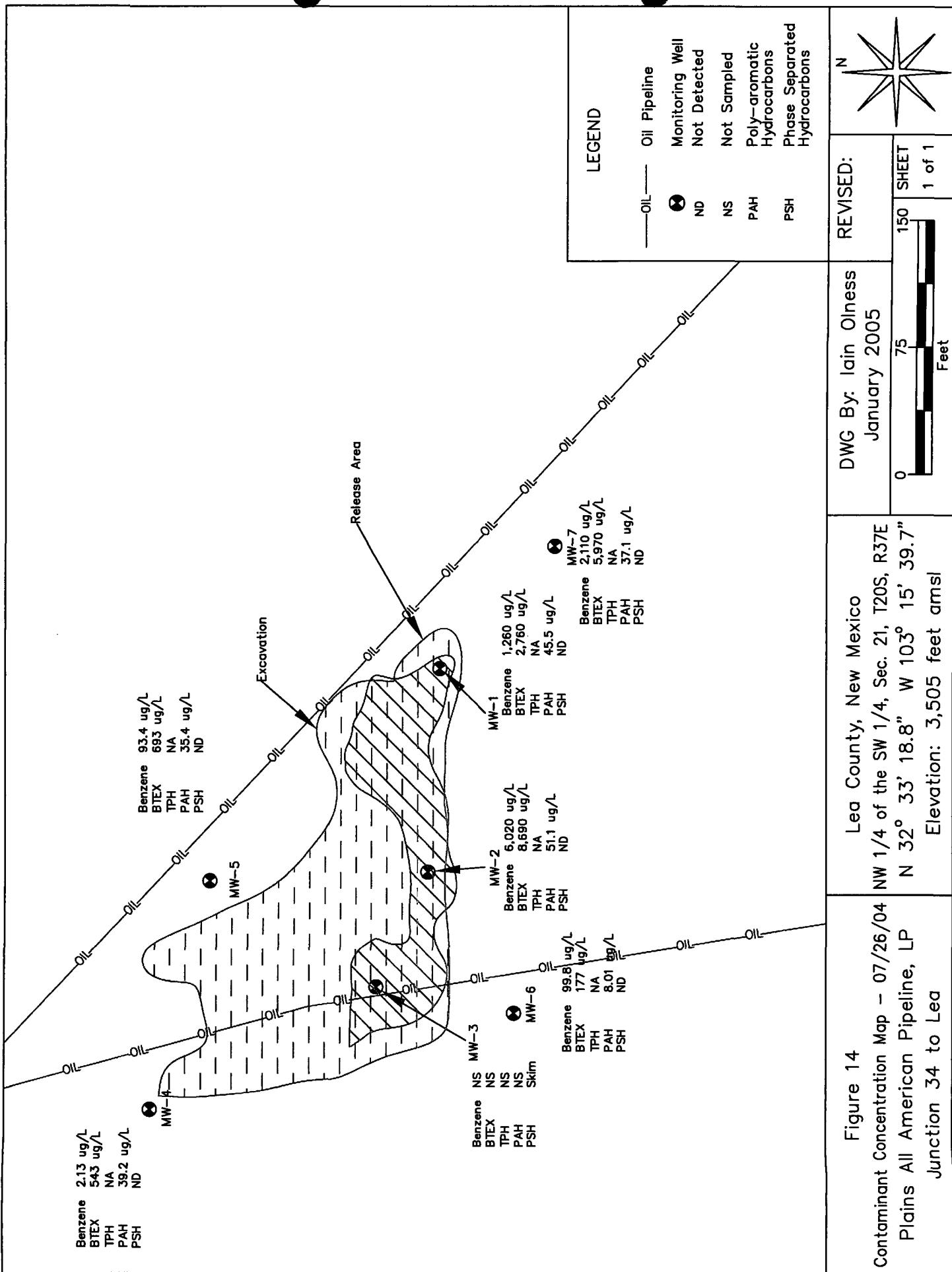
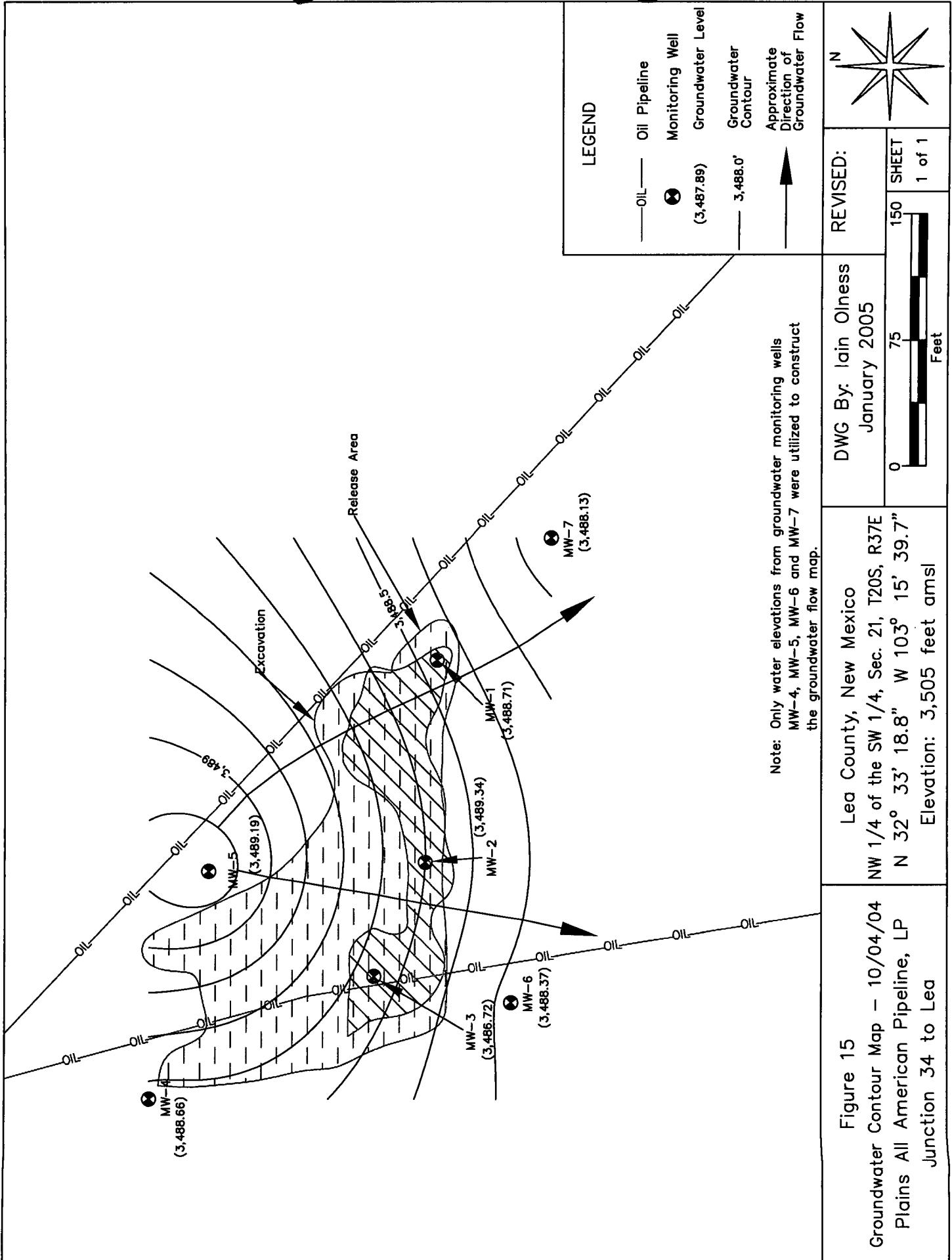


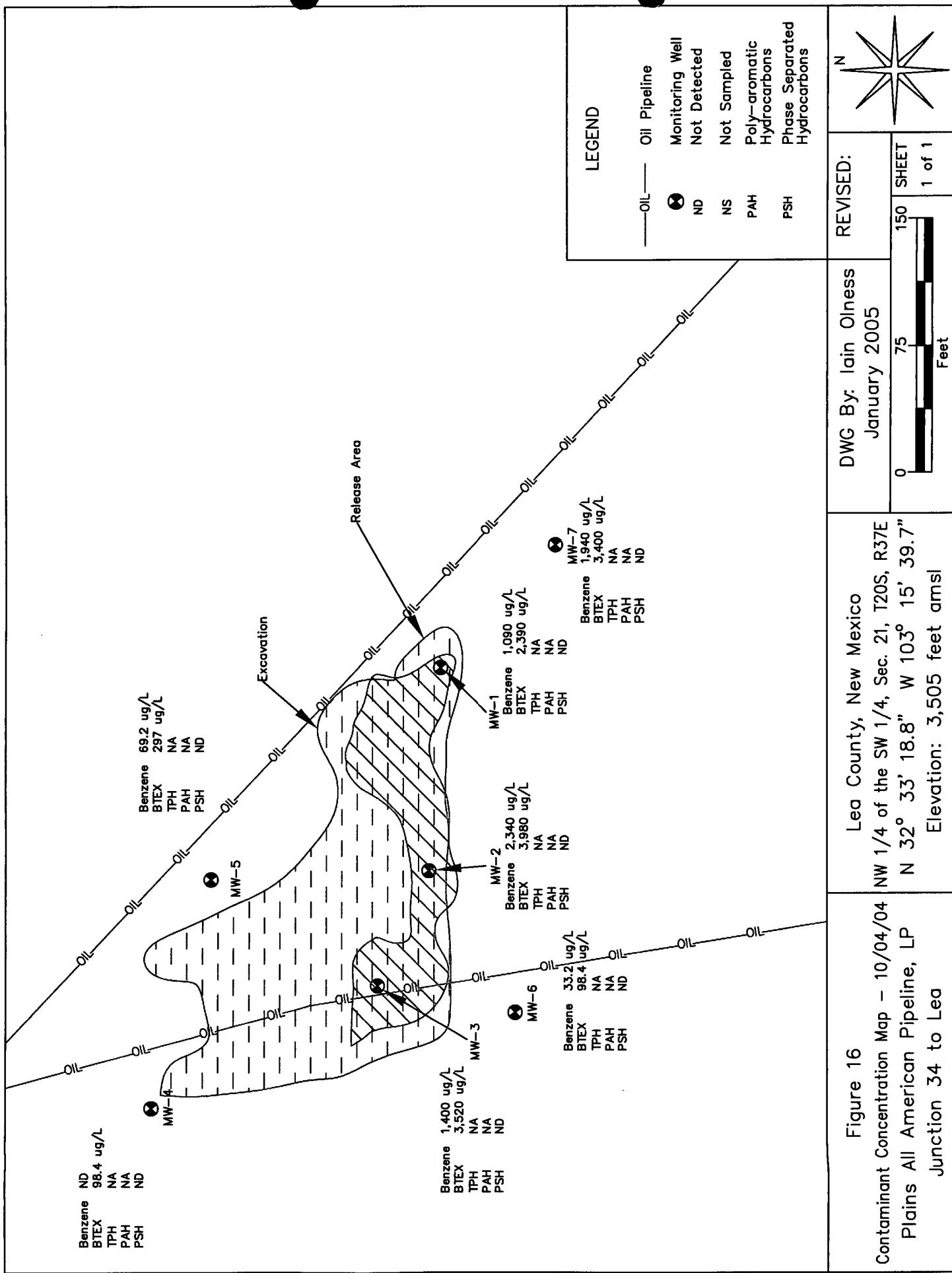
Figure 11: Hydrograph for the Groundwater Monitoring Well Network, Plains All American Pipeline Junction 34 to Lea, Lea County, New Mexico from 02/11/03 through 12/31/04.

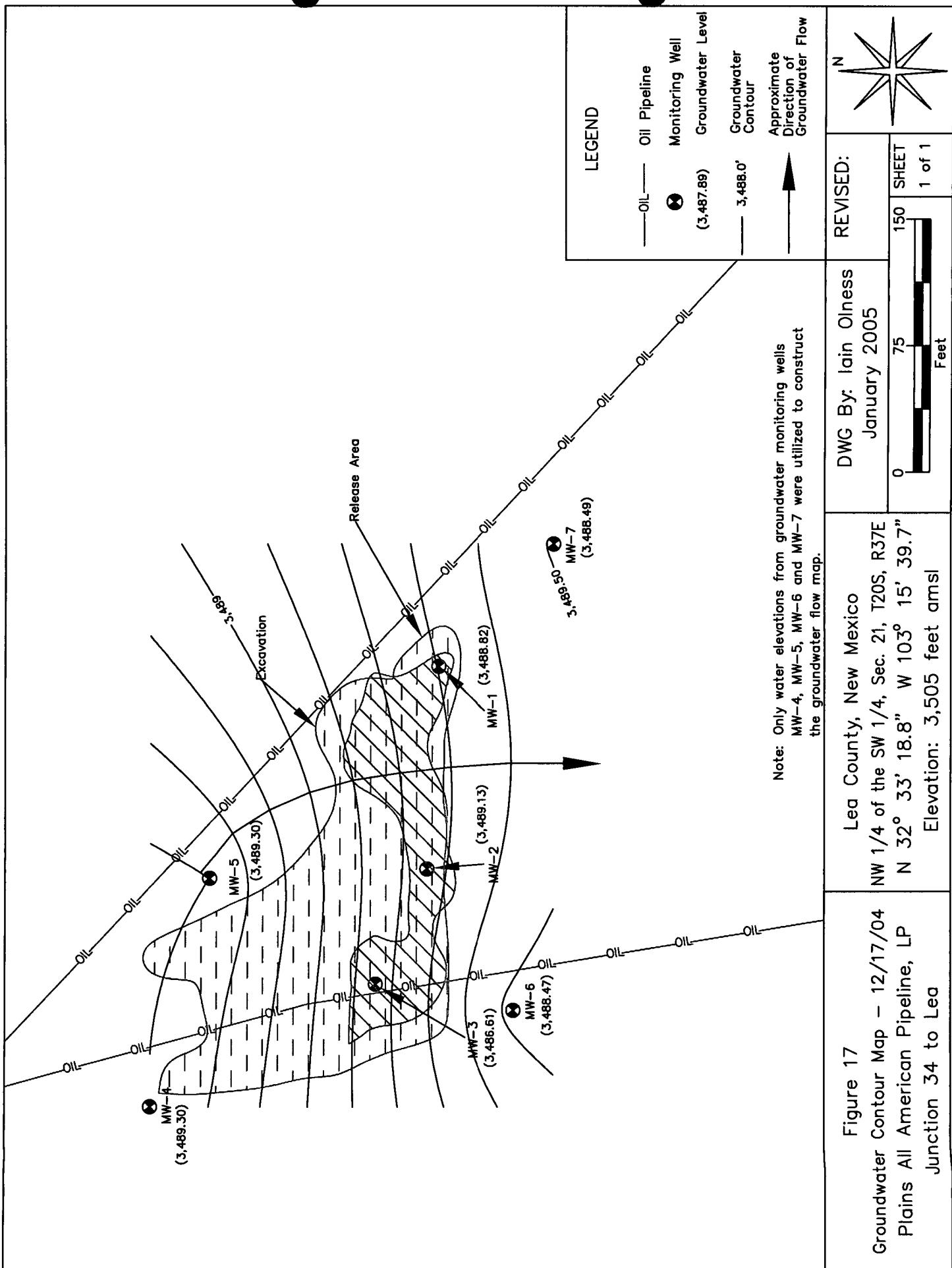


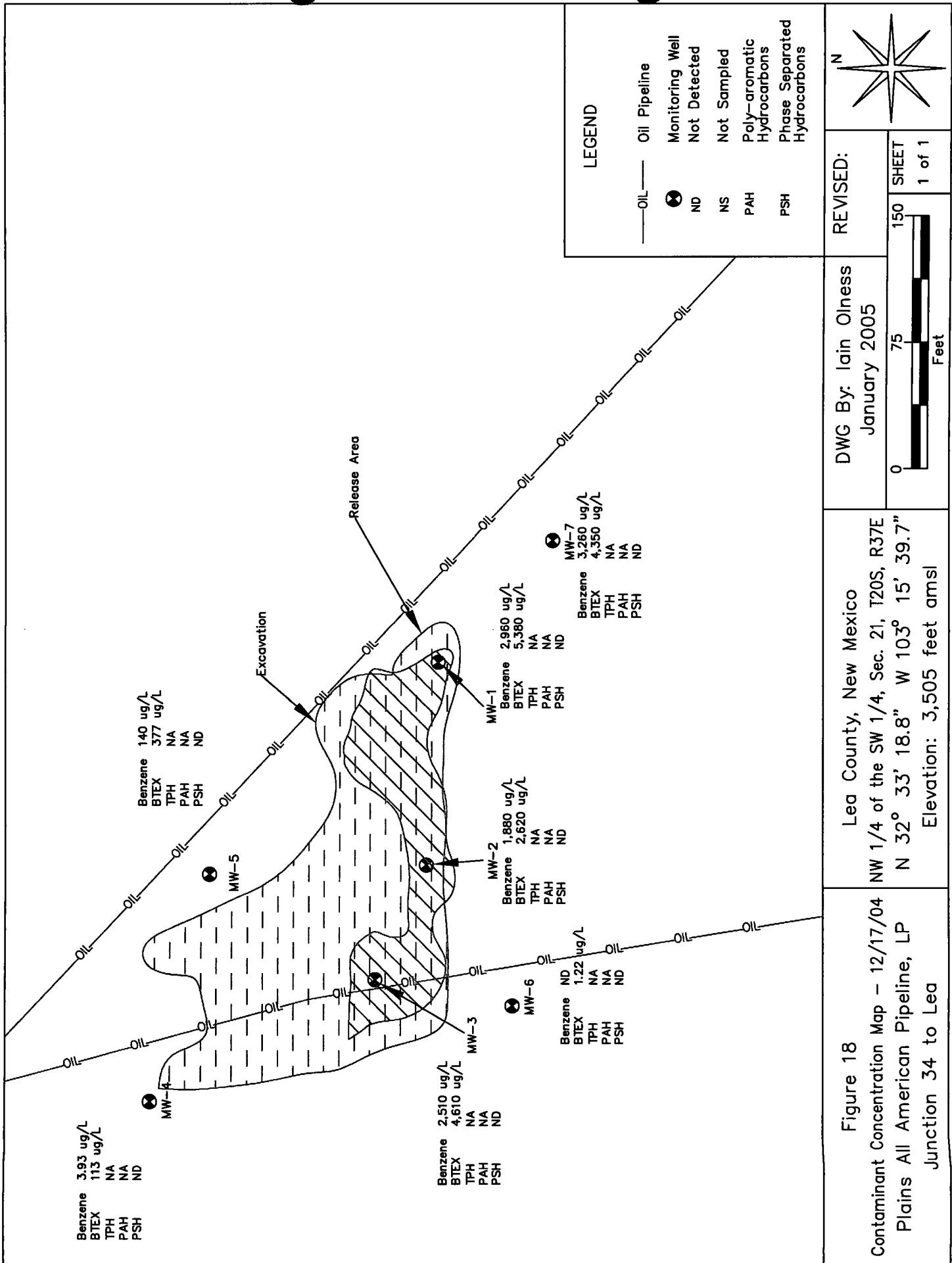


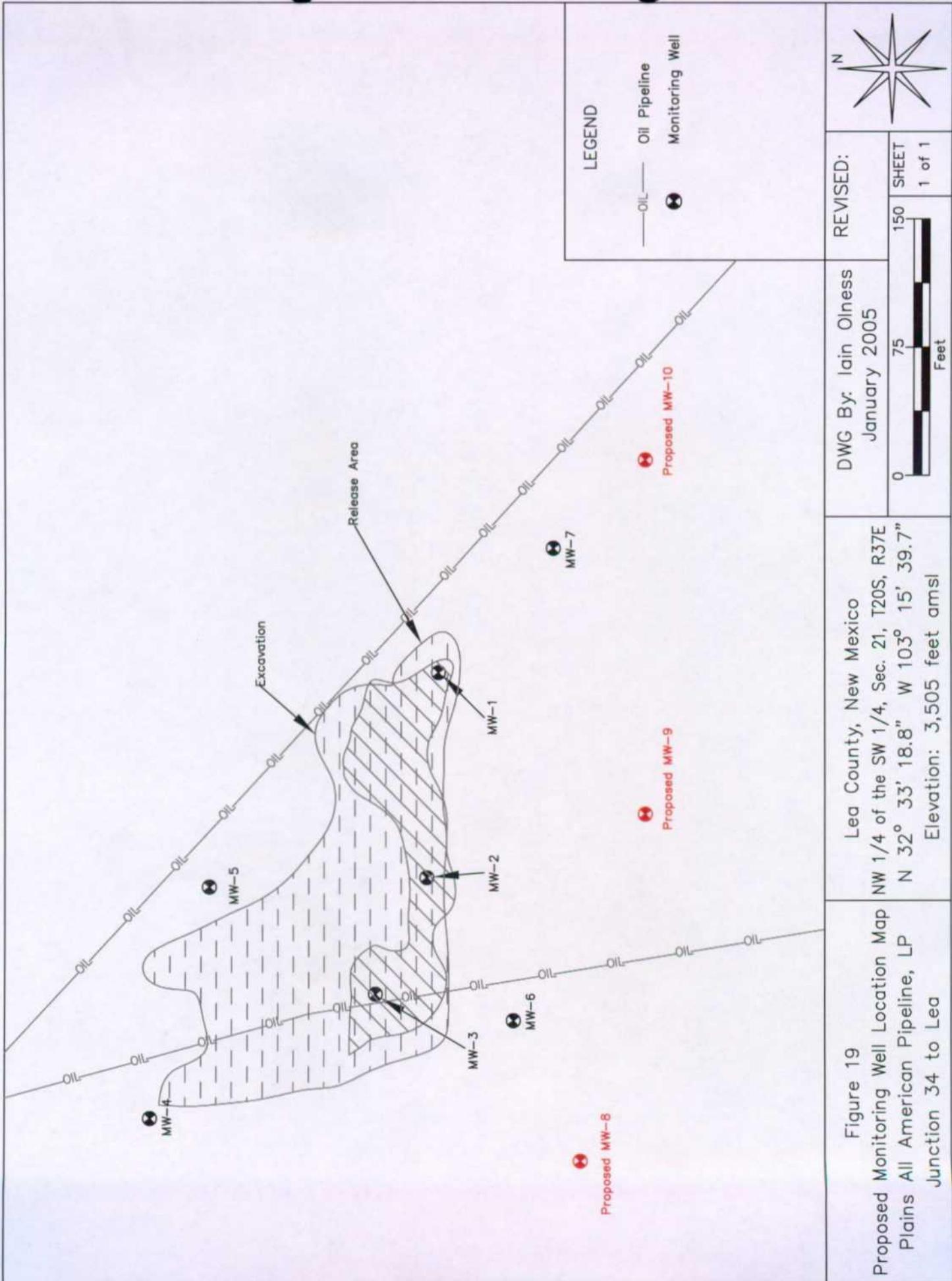












TABLES

TABLE 1

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

Junction 34 to Lea - Ref #2002-10286

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-1	11-Feb-03	3,508.17	--	20.13	3,488.04	--
	27-Feb-03		--	19.87	3,488.30	--
	19-Mar-03					
	03-Apr-03					
	11-Apr-03					
	21-Apr-03					
	30-Apr-03					
	05-May-03					
	18-Jun-03					
	09-Jul-03					
	21-Jul-03					
	12-Aug-03					
	18-Aug-03					
	03-Sep-03					
	19-Sep-03					
	02-Oct-03					
	03-Nov-03					
	13-Nov-03					
	25-Nov-03					
	02-Dec-03					
	10-Dec-03					
	02-Jan-04					
	30-Jan-04					
	06-Feb-04					
	05-May-04		--	19.66	3,488.51	--
	25-May-04		--	19.90	3,488.27	--
	03-Jun-04		--	19.86	3,488.31	--
	15-Jun-04		--	19.89	3,488.28	--
	08-Jul-04		--	19.83	3,488.34	--
	26-Jul-04		--	19.93	3,488.24	--
	10-Sep-04		--	21.16	3,487.01	--
	21-Sep-04		--	20.19	3,487.98	--
	04-Oct-04		--	19.46	3,488.71	--
	15-Oct-04		--	19.44	3,488.73	--
	09-Nov-04		--	19.61	3,488.56	--
	16-Nov-04		--	19.44	3,488.73	--
	07-Dec-04		--	19.37	3,488.80	--
	17-Dec-04		--	19.35	3,488.82	--
MW-2	11-Feb-03		--	17.25		--
	27-Feb-03		--	19.75		--
	19-Mar-03					
	03-Apr-03					
	11-Apr-03					
	21-Apr-03					
	30-Apr-03	3,501.45				
	05-May-03					

TABLE 1

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

Junction 34 to Lea - Ref #2002-10286

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-2 (cont.)	18-Jun-03					
	09-Jul-03					
	21-Jul-03					
	12-Aug-03					
	18-Aug-03					
	03-Sep-03					
	19-Sep-03					
	02-Oct-03					
	03-Nov-03					
	13-Nov-03					
	25-Nov-03					
	02-Dec-03					
	10-Dec-03					
	02-Jan-04					
	30-Jan-04					
	06-Feb-04					
	05-May-04	--	12.56	3,488.89	--	
	25-May-04	--	12.95	3,488.50	--	
	03-Jun-04	--	12.80	3,488.65	--	
	15-Jun-04	--	12.82	3,488.63	--	
	08-Jul-04	--	12.70	3,488.75	--	
	26-Jul-04	--	12.78	3,488.67	--	
	10-Sep-04	--	13.05	3,488.40	--	
	21-Sep-04	--	13.27	3,488.18	--	
	04-Oct-04	--	12.11	3,489.34	--	
	15-Oct-04	--	12.22	3,489.23	--	
	09-Nov-04	--	12.71	3,488.74	--	
	16-Nov-04	--	12.19	3,489.26	--	
	07-Dec-04	--	12.27	3,489.18	--	
	17-Dec-04	--	12.32	3,489.13	--	
MW-3	11-Feb-03		17.10	17.77		0.67
	27-Feb-03		16.64	19.15		2.51
	19-Mar-03		16.63	19.50		2.87
	03-Apr-03		16.65	19.47		2.82
	11-Apr-03		16.65	19.48		2.83
	21-Apr-03		16.62	18.98		2.36
	30-Apr-03	3,495.97	6.98	8.67	3,488.82	1.69
	05-May-03		6.93	8.63	3,488.87	1.70
	18-Jun-03		7.24	8.15	3,488.64	0.91
	09-Jul-03		7.49	8.18	3,488.41	0.69
	21-Jul-03		7.49	8.19	3,488.41	0.70
	12-Aug-03		7.50	8.20	3,488.40	0.70
	18-Aug-03		7.47	8.19	3,488.43	0.72
	03-Sep-03		7.96	8.52	3,487.95	0.56
	19-Sep-03		7.97	8.51	3,487.95	0.54

TABLE 1
RELATIVE GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON THICKNESSES

Junction 34 to Lea - Ref #2002-10286

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-3 (cont.)	02-Oct-03		7.95	8.50	3,487.97	0.55
	03-Nov-03		8.15	8.65	3,487.77	0.50
	13-Nov-03		8.14	8.51	3,487.79	0.37
	25-Nov-03		8.15	8.50	3,487.79	0.35
	02-Dec-03		8.15	8.20	3,487.82	0.05
	10-Dec-03		8.13	8.16	3,487.84	0.03
	02-Jan-04		8.05	8.08	3,487.92	0.03
	30-Jan-04		8.22	8.24	3,487.75	0.02
	06-Feb-04		8.23	8.24	3,487.74	0.01
	05-May-04		--	7.16	3,488.81	skim
	25-May-04		9.92	9.94	3,486.05	0.02
	03-Jun-04		--	9.84	3,486.13	skim
	15-Jun-04		--	9.73	3,486.24	--
	08-Jul-04		--	9.70	3,486.27	--
	26-Jul-04		--	9.73	3,486.24	--
	10-Sep-04		--	10.18	3,485.79	--
	21-Sep-04		--	10.11	3,485.86	--
	04-Oct-04		--	9.25	3,486.72	--
	15-Oct-04		9.13	9.16	3,486.84	0.03
	09-Nov-04		--	9.60	3,486.37	--
	16-Nov-04		--	6.15	3,489.82	--
	07-Dec-04		--	9.18	3,486.79	--
	17-Dec-04		--	9.36	3,486.61	--
MW-4	11-Feb-03					
	27-Feb-03					
	19-Mar-03					
	03-Apr-03					
	11-Apr-03					
	21-Apr-03					
	30-Apr-03					
	05-May-03					
	18-Jun-03					
	09-Jul-03					
	21-Jul-03					
	12-Aug-03					
	18-Aug-03					
	03-Sep-03					
	19-Sep-03					
	02-Oct-03					
	03-Nov-03					
	13-Nov-03					
	25-Nov-03					
	02-Dec-03					
	10-Dec-03					
	02-Jan-04					

TABLE 1
RELATIVE GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON THICKNESSES

Junction 34 to Lea - Ref #2002-10286

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-4 (cont.)	30-Jan-04					
	06-Feb-04					
	05-May-04					
	25-May-04	3,508.01	--	19.16	3,488.85	--
	03-Jun-04		--	19.13	3,488.88	--
	15-Jun-04		--	19.13	3,488.88	--
	08-Jul-04		--	19.06	3,488.95	--
	26-Jul-04		--	19.21	3,488.80	--
	10-Sep-04		--	19.46	3,488.55	--
	21-Sep-04		--	19.35	3,488.66	--
	04-Oct-04		--	19.35	3,488.66	--
	15-Oct-04		--	18.81	3,489.20	--
	09-Nov-04		--	18.89	3,489.12	--
	16-Nov-04		--	18.83	3,489.18	--
	07-Dec-04		--	18.70	3,489.31	--
	17-Dec-04		--	18.71	3,489.30	--
MW-5	11-Feb-03					
	27-Feb-03					
	19-Mar-03					
	03-Apr-03					
	11-Apr-03					
	21-Apr-03					
	30-Apr-03					
	05-May-03					
	18-Jun-03					
	09-Jul-03					
	21-Jul-03					
	12-Aug-03					
	18-Aug-03					
	03-Sep-03					
	19-Sep-03					
	02-Oct-03					
	03-Nov-03					
	13-Nov-03					
	25-Nov-03					
	02-Dec-03					
	10-Dec-03					
	02-Jan-04					
	30-Jan-04					
	06-Feb-04					
	05-May-04					
	25-May-04	3,508.74	--	20.08	3,488.66	--
	03-Jun-04		--	20.00	3,488.74	--
	15-Jun-04		--	20.03	3,488.71	--
	08-Jul-04		--	19.93	3,488.81	--

TABLE 1

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

Junction 34 to Lea - Ref #2002-10286

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-5 (cont.)	26-Jul-04		--	20.06	3,488.68	--
	10-Sep-04		--	20.26	3,488.48	--
	21-Sep-04		--	20.34	3,488.40	--
	04-Oct-04		--	19.55	3,489.19	--
	15-Oct-04		--	19.52	3,489.22	--
	09-Nov-04		--	19.67	3,489.07	--
	16-Nov-04		--	19.41	3,489.33	--
	07-Dec-04		--	19.45	3,489.29	--
	17-Dec-04		--	19.44	3,489.30	--
MW-6	11-Feb-03					
	27-Feb-03					
	19-Mar-03					
	03-Apr-03					
	11-Apr-03					
	21-Apr-03					
	30-Apr-03					
	05-May-03					
	18-Jun-03					
	09-Jul-03					
	21-Jul-03					
	12-Aug-03					
	18-Aug-03					
	03-Sep-03					
	19-Sep-03					
	02-Oct-03					
	03-Nov-03					
	13-Nov-03					
	25-Nov-03					
	02-Dec-03					
	10-Dec-03					
	02-Jan-04					
	30-Jan-04					
	06-Feb-04					
	05-May-04					
	25-May-04	3,509.76	--	21.76	3,488.00	--
	03-Jun-04		--	21.63	3,488.13	--
	15-Jun-04		--	21.65	3,488.11	--
	08-Jul-04		--	21.55	3,488.21	--
	26-Jul-04		--	21.67	3,488.09	--
	10-Sep-04		--	22.06	3,487.70	--
	21-Sep-04		--	22.25	3,487.51	--
	04-Oct-04		--	21.39	3,488.37	--
	15-Oct-04		--	21.25	3,488.51	--
	09-Nov-04		--	21.46	3,488.30	--
	16-Nov-04		--	21.27	3,488.49	--

TABLE 1

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

Junction 34 to Lea - Ref #2002-10286

Monitor Well	Date Gauged	Relative Top of Casing Elevation (feet)	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)*	Phase Separated Hydrocarbon Thickness (feet)
MW-6	07-Dec-04		--	21.23	3,488.53	--
(cont.)	17-Dec-04		--	21.29	3,488.47	--
MW-7	11-Feb-03					
	27-Feb-03					
	19-Mar-03					
	03-Apr-03					
	11-Apr-03					
	21-Apr-03					
	30-Apr-03					
	05-May-03					
	18-Jun-03					
	09-Jul-03					
	21-Jul-03					
	12-Aug-03					
	18-Aug-03					
	03-Sep-03					
	19-Sep-03					
	02-Oct-03					
	03-Nov-03					
	13-Nov-03					
	25-Nov-03					
	02-Dec-03					
	10-Dec-03					
	02-Jan-04					
	30-Jan-04					
	06-Feb-04					
	05-May-04					
	25-May-04	3,507.38	--	19.37	3,488.01	--
	03-Jun-04		--	19.37	3,488.01	--
	15-Jun-04		--	19.40	3,487.98	--
	08-Jul-04		--	19.36	3,488.02	--
	26-Jul-04		--	19.49	3,487.89	--
	10-Sep-06		--	19.67	3,487.71	--
	21-Sep-04		--	19.75	3,487.63	--
	04-Oct-04		--	19.25	3,488.13	--
	15-Oct-04		--	19.07	3,488.31	--
	09-Nov-04		--	19.09	3,488.29	--
	16-Nov-04		--	19.10	3,488.28	--
	07-Dec-04		--	18.94	3,488.44	--
	17-Dec-04		--	18.89	3,488.49	--

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

-- = Not Detected

If the cell is blank, the well was not gauged.

TABLE 2

Summary of Groundwater Analytical Results

Junction 34 to Lea - Ref #2002-10286

Monitor Well Location	Date	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	m,p-Xylenes ($\mu\text{g/L}$)	<i>o</i> -Xylene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Chloride (mg/L)	Total Dissolved Solids (mg/L)	TPH as Gasoline (mg/L)	TPH as Diesel (mg/L)	Total TPH (mg/L)
MW-1	27-Feb-03	1,790	110	876	639	117	756	232				
	5-May-04	1,070	4.92	583	228	4.38				3.21	0.81	4.02
	26-Jul-04	1,260	2.36	898	590	9.54	600	1,740				
	4-Oct-04	1,090	2.43	785	506	3.1	509					
	17-Dec-04	2,960	7.77	1,520	891	<5.0	891					
MW-2	27-Feb-03	2,390	474	807	655	221	876					
	5-May-04	3,430	10.4	746	317	6.18	323			7.04	3.63	10.67
	26-Jul-04	6,020	3.42	1,740	910	15.7	926	2,100				
	4-Oct-04	2,340	<5	1,380	261	<5	261					
	17-Dec-04	1,880	<2.0	574	159	2.09	161					
MW-3	27-Feb-03											
	5-May-04	1.65	<1.0	<1.0	<2.0	<1.0	<2.0	<3.0	<3.0	<0.5	11.6	11.6
	26-Jul-04											
	4-Oct-04	1,400	421	730	723	242	965					
	17-Dec-04	2,510	490	972	550	87.6	638					
MW-4	25-May-04	1.67	1.01	407	345	11.3	458			3.03	0.583	3.61
	26-Jul-04	2.13	<1.0	447	91.7	1.85	93.6	2,230				
	4-Oct-04	<1	<1	93.4	5.03	<1	5.03					
	17-Dec-04	3.93	<1.0	109	<2.0	<1.0	<3.0					
	25-May-04	178	20.9	654	523	11.6	639			4.93	4.32	9.25
MW-5	26-Jul-04	93.4	2.04	484	113	1.29	114	2,480				
	4-Oct-04	69.2	<1	199	28.6	<1	28.6					
	17-Dec-04	140	<1.0	228	8.96	<1.0	8.96					
	25-May-04	641	5.33	161	188	12.7	201			2.61	1.5	4.11
	26-Jul-04	99.8	<1.0	75.4	2.28	<1.0	2.28	2,090				
MW-6	4-Oct-04	33.2	<1	61.8	3.36	<1	3.36					
	17-Dec-04	<1.0	<1.0	1.22	<2.0	<1.0	<3.0					
	25-May-04	1,840	26.7	813	457	41	498					
	26-Jul-04	2,110	608	1,180	1,490	585	2,075	2,320				
	4-Oct-04	1,940	<2	830	622	9.43	631					
MW-7	17-Dec-04	3,260	<5.0	604	475	9.09	484					
	NMOCD Remedial Thresholds	10	750	750				620	250	1,000		

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

TABLE 3

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

Junction 34 to Lea - Ref #2002-10286.

Monitor Well Location	Date	Naphthalene ($\mu\text{g/L}$)	Acenaphthylene ($\mu\text{g/L}$)	Phenanthrene ($\mu\text{g/L}$)	Fluoranthene ($\mu\text{g/L}$)	Pyrene ($\mu\text{g/L}$)	Benz[a]-anthracene ($\mu\text{g/L}$)	Chrysene ($\mu\text{g/L}$)	Benz[b]-fluoranthene ($\mu\text{g/L}$)	Benz[j,k]-fluoranthene ($\mu\text{g/L}$)	Indeno[1,2,3-cd]pyrene ($\mu\text{g/L}$)	Dibenz[a,h]-anthracene ($\mu\text{g/L}$)	Benz[e,g,h]-perylene ($\mu\text{g/L}$)	
MW-1	27-Feb-03													
	5-May-04													
	26-Jul-04	42.6	0.136	0.115	1.45	1.13	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	4-Oct-04													
	17-Dec-04													
MW-2	27-Feb-03													
	5-May-04													
	26-Jul-04	49.5	0.092	0.075	0.934	0.495	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	4-Oct-04													
	17-Dec-04													
MW-3	27-Feb-03													
	5-May-04													
	26-Jul-04													
	4-Oct-04													
	17-Dec-04													
MW-4	27-Feb-03													
	5-May-04													
	26-Jul-04	.37	0.104	0.066	1.15	0.85	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	4-Oct-04													
	17-Dec-04													
MW-5	27-Feb-03													
	5-May-04													
	26-Jul-04	.32.8	0.125	0.092	1.37	0.976	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	4-Oct-04													
	17-Dec-04													
MW-6	27-Feb-03													
	5-May-04													
	26-Jul-04	6.71	0.057	0.069	0.675	0.437	0.062	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	4-Oct-04													
	17-Dec-04													
MW-7	27-Feb-03													
	5-May-04													
	26-Jul-04	.36.5	<0.05	0.05	0.635	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	4-Oct-04													
	17-Dec-04													
NMOCD Remedial Thresholds		30												0.70

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

- - = Parameter was not analyzed

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS

ANALYSYS
INSTRUMENTATION

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 OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Reco ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	0.81	mg/L	0.5	<0.5	05/19/04	8015 mod. 3510	---	11.3	115.1	122.2	109.4
TPH by GC (as diesel-ext)	---	mg/L	---	---	05/19/04	8015 mod.	---	---	---	---	---
TPH by GC (as gasoline)	3.21	mg/L	0.5	<0.5	05/19/04	8015b(5030/5035)	J	5.5	90.4	84.4	88.6
Volatile organics-8260b/BTEX	---	---	---	---	05/11/04	8260b	---	---	---	---	---
Benzene	10.70	µg/L	10	<10	05/12/04	8260b	---	3.4	117.1	112.1	112.3
Ethylbenzene	5.83	µg/L	10	<10	05/12/04	8260b	---	2	110.5	107	104.5
m,p-Xylenes	2.28	µg/L	2	<2	05/11/04	8260b	---	1.9	111.7	105.5	106.3
o-Xylene	4.38	µg/L	1	<1	05/11/04	8260b	---	1.6	112.7	107.5	107.6
Toluene	4.92	µg/L	1	<1	05/11/04	8260b	---	3.8	125.7	118.9	118.9

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

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Reco.) 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 and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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MTC

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

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LE134L05504MW-1

Report# /Lab ID#: 155386
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	67.7	42-122	---
p-Terphenyl	8015 mod.	70.6	39-125	---
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.

Exceptions Report:

Report #/Lab ID#:	155386	Matrix:	water	Attn:	Iain Ohness
Client:	Environmental Plus, Inc.				
Project ID:	2002-10286				
Sample Name:	LE134L05504MW-1				

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

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	J	See J-flag discussion above.

Notes:

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

5
S.T.E.

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	3.63	mg/L	0.5	<0.5	05/19/04	8015 mod.	J	11.3	115.1	122.2	109.4
TPH by GC (as diesel-ext)	---	---	---	---	05/19/04	3510	---	---	---	---	---
TPH by GC (as gasoline)	7.04	mg/L	0.5	<0.5	05/19/04	8015 mod.	---	5.5	90.4	84.4	88.6
Volatile organics-8260b/BTEX	---		---	---	05/17/04	8260b(5030/5035)	---	---	---	---	---
Benzene	3430	µg/L	100	<100	05/12/04	8260b	---	3.4	117.1	112.1	112.3
Ethylbenzene	746	µg/L	10	<10	05/11/04	8260b	---	2	110.5	107	104.5
m,p-Xylenes	317	µg/L	20	<20	05/11/04	8260b	---	1.9	111.7	105.5	106.3
o-Xylene	6.18	µg/L	5	<5	05/17/04	8260b	---	1.6	112.7	107.5	107.6
Toluene	10.4	µg/L	5	<5	05/17/04	8260b	---	3.8	125.7	118.9	118.9

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

Respectfully Submitted,

 Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (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 and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Report#Lab ID#: 155387	Report Date: 05/20/04
Project ID: 2002-10286	
Sample Name: LE34L05504MW-2	
Sample Matrix: water	
Date Received: 05/07/2004	Time: 10:30
Date Sampled: 05/05/2004	Time: 08:00

QUALITY ASSURANCE DATA¹

OLIN

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

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LEJ34L05504MW-2

Report#/Lab ID#: 155387
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	64.9	42-122	---
p-Terphenyl	8015 mod.	82.4	39-125	---
1,2-Dichloroethane-d4	8260b	103	74-124	---
Toluene-d8	8260b	103	89-115	---

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

Exceptions Report:

Report #/Lab ID#: 155387	Matrix: water
Client: Environmental Plus, Inc.	Attn: Iain Olness
Project ID: 2002-10286	
Sample Name: LE134L05504MW-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
TPH by GC (as diesel)	J	See J-flag discussion above.

Notes:



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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	11.6	mg/L	0.5	<0.5	05/19/04	8015 mod.	---	11.3	115.1	122.2	109.4
TPH by GC (as diesel-ext)	---	---	---	---	05/19/04	3510	---	---	---	---	---
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	05/19/04	8015 mod.	---	5.5	90.4	84.4	88.6
Volatile organics-82260b/BTEX	---		---	---	05/12/04	82260b(5030/5035)	---	---	---	---	---
Benzene	1.65	µg/L	1	<1	05/12/04	82260b	---	3.4	117.1	112.1	112.3
Ethylbenzene	<1	µg/L	1	<1	05/12/04	82260b	J	2	110.5	107	104.5
m,p-Xylenes	<2	µg/L	2	<2	05/12/04	82260b	---	1.9	111.7	105.5	106.3
o-Xylene	<1	µg/L	1	<1	05/12/04	82260b	---	1.6	112.7	107.5	107.6
Toluene	<1	µg/L	1	<1	05/12/04	82260b	J	3.8	125.7	118.9	118.9

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Respectfully Submitted,

 Richard Elton

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Q5

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

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LEJ34L05504MW-3

Report#/Lab ID#: 155388
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
I-Chlorooctane	8015 mod.	78.1	42-122	---
p-Terphenyl	8015 mod.	103	39-125	---
1,2-Dichloroethane-d4	8260b	103	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#:	155388	Matrix:	water
Client:	Environmental Plus, Inc.	Attn:	Iain Olness
Project ID:	2002-10286		
Sample Name:	LE134L05504MW-3		

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

AnalySys Inc.

44221 Friedrich Lane, Suite 190, Austin, TX 78744
512-444-5896 FAX: 512-447-4766

2209 N. Padre Is/and Pr.: Corpus Christi, TX 78408



Chain of Custody Form

**ENVIRONMENTAL
LAB OF**

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jimmy Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Jct. 34 to Lea

Project Number: 2002-10286

Location: UL-L Section 21 T20S R37E

Lab Order Number: 4E21006

Report Date: 05/27/04

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

Project: Jct. 34 to Lea
Project Number: 2002-10286
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
05/27/04 14:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LEJ34051304MW5 (5')	4E21006-01	Soil	05/13/04 08:20	05/21/04 09:25
LEJ34051304MW5 (10')	4E21006-02	Soil	05/13/04 09:35	05/21/04 09:25
LEJ34051304MW5 (15')	4E21006-03	Soil	05/13/04 10:18	05/21/04 09:25
LEJ34051404MW7 (15')	4E21006-04	Soil	05/13/04 10:40	05/21/04 09:25
LEJ34051704MW6 (10')	4E21006-05	Soil	05/17/04 00:00	05/21/04 09:25
LEJ34051704MW6 (15')	4E21006-06	Soil	05/17/04 00:00	05/21/04 09:25

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

Project: Jct. 34 to Lea
Project Number: 2002-10286
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
05/27/04 14:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LEJ34051304MW5 (5') (4E21006-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	0.0696	0.0250	"	"	"	"	"	"	"
Ethylbenzene	0.112	0.0250	"	"	"	"	"	"	"
Xylene (p/m)	0.411	0.0250	"	"	"	"	"	"	"
Xylene (o)	0.174	0.0250	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene	88.7 %	80-120		"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	83.7 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	300	10.0	mg/kg dry	1	EE42103	05/24/04	05/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	1660	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1960	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane	84.6 %	70-130		"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	110 %	70-130		"	"	"	"	"	
LEJ34051304MW5 (10') (4E21006-02) Soil									
Benzene	0.0316	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	0.302	0.0250	"	"	"	"	"	"	
Ethylbenzene	2.15	0.0250	"	"	"	"	"	"	
Xylene (p/m)	3.12	0.0250	"	"	"	"	"	"	
Xylene (o)	1.79	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	150 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	88.0 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	851	10.0	mg/kg dry	1	EE42103	05/24/04	05/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	3990	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	4840	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane	123 %	70-130		"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	128 %	70-130		"	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Raland K. Yule
Quality Assurance Review

Page 2 of 11

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

Project: Jct. 34 to Lea
Project Number: 2002-10286
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
05/27/04 14:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LEJ34051304MW5 (15') (4E21006-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	0.141	0.0250	"	"	"	"	"	"	"
Ethylbenzene	0.630	0.0250	"	"	"	"	"	"	"
Xylene (p/m)	0.966	0.0250	"	"	"	"	"	"	"
Xylene (o)	0.548	0.0250	"	"	"	"	"	"	"
Surrogate: <i>a,a,a</i> -Trifluorotoluene	94.4 %	80-120		"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	82.4 %	80-120		"	"	"	"	"	"
Gasoline Range Organics C6-C12	467	10.0	mg/kg dry	1	EE42103	05/24/04	05/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	2980	10.0	"	"	"	"	"	"	"
Total Hydrocarbon C6-C35	3440	10.0	"	"	"	"	"	"	"
Surrogate: <i>I</i> -Chlorooctane	111 %	70-130		"	"	"	"	"	"
Surrogate: <i>I</i> -Chlorooctadecane	127 %	70-130		"	"	"	"	"	"
LEJ34051404MW7 (15') (4E21006-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	"
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	"
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	"
Xylene (o)	ND	0.0250	"	"	"	"	"	"	"
Surrogate: <i>a,a,a</i> -Trifluorotoluene	81.8 %	80-120		"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	80.9 %	80-120		"	"	"	"	"	"
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42103	05/24/04	05/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	35.4	10.0	"	"	"	"	"	"	"
Total Hydrocarbon C6-C35	35.4	10.0	"	"	"	"	"	"	"
Surrogate: <i>I</i> -Chlorooctane	92.4 %	70-130		"	"	"	"	"	"
Surrogate: <i>I</i> -Chlorooctadecane	96.6 %	70-130		"	"	"	"	"	"

Environmental Lab of Texas

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Ralan A. Turtu
Quality Assurance Review

Page 3 of 11

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

Project: Jct. 34 to Lea
Project Number: 2002-10286
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
05/27/04 14:44

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LEJ34051704MW6 (10') (4E21006-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	82.3 %	80-120		"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	82.9 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42103	05/24/04	05/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	11.0	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	11.0	10.0	"	"	"	"	"	"	
Surrogate: <i>I</i> -Chlorooctane	83.8 %	70-130		"	"	"	"	"	
Surrogate: <i>I</i> -Chlorooctadecane	85.6 %	70-130		"	"	"	"	"	
LEJ34051704MW6 (15') (4E21006-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	85.0 %	80-120		"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	82.7 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42103	05/24/04	05/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: <i>I</i> -Chlorooctane	89.2 %	70-130		"	"	"	"	"	
Surrogate: <i>I</i> -Chlorooctadecane	88.0 %	70-130		"	"	"	"	"	

Environmental Lab of Texas

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Ralan d k tuck
Quality Assurance Review

Page 4 of 11

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

Project: Jct. 34 to Lea
Project Number: 2002-10286
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
05/27/04 14:44

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LEJ34051304MW5 (5') (4E21006-01) Soil									
% Solids	94.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
LEJ34051304MW5 (10') (4E21006-02) Soil									
% Solids	98.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
LEJ34051304MW5 (15') (4E21006-03) Soil									
% Solids	98.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
LEJ34051404MW7 (15') (4E21006-04) Soil									
% Solids	93.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
LEJ34051704MW6 (10') (4E21006-05) Soil									
% Solids	97.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
LEJ34051704MW6 (15') (4E21006-06) Soil									
% Solids	95.0		%	1	EE42402	05/21/04	05/21/04	% calculation	

Environmental Lab of Texas

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Ralan dc jmb
Quality Assurance Review

Page 5 of 11

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

Project: Jct. 34 to Lea
Project Number: 2002-10286
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
05/27/04 09:49

**Organics by GC - Quality Control
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42103 - Solvent Extraction (GC)										
Blank (EE42103-BLK1)										
Prepared & Analyzed: 05/24/04										
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: <i>I</i> -Chlorooctane	37.0		mg/kg	50.0		74.0	70-130			
Surrogate: <i>I</i> -Chlorooctadecane	35.4		"	50.0		70.8	70-130			
Blank (EE42103-BLK2)										
Prepared & Analyzed: 05/24/04										
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: <i>I</i> -Chlorooctane	36.8		mg/kg	50.0		73.6	70-130			
Surrogate: <i>I</i> -Chlorooctadecane	35.8		"	50.0		71.6	70-130			
LCS (EE42103-BS1)										
Prepared & Analyzed: 05/24/04										
Gasoline Range Organics C6-C12	426	10.0	mg/kg wet	500		85.2	75-125			
Diesel Range Organics >C12-C35	493	10.0	"	500		98.6	75-125			
Total Hydrocarbon C6-C35	919	10.0	"	1000		91.9	75-125			
Surrogate: <i>I</i> -Chlorooctane	45.3		mg/kg	50.0		90.6	70-130			
Surrogate: <i>I</i> -Chlorooctadecane	40.5		"	50.0		81.0	70-130			
LCS (EE42103-BS2)										
Prepared & Analyzed: 05/24/04										
Gasoline Range Organics C6-C12	408	10.0	mg/kg wet	500		81.6	75-125			
Diesel Range Organics >C12-C35	515	10.0	"	500		103	75-125			
Total Hydrocarbon C6-C35	923	10.0	"	1000		92.3	75-125			
Surrogate: <i>I</i> -Chlorooctane	49.0		mg/kg	50.0		98.0	70-130			
Surrogate: <i>I</i> -Chlorooctadecane	36.8		"	50.0		73.6	70-130			
LCS Dup (EE42103-BSD2)										
Prepared & Analyzed: 05/24/04										
Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	75-125	1.46	20	
Diesel Range Organics >C12-C35	483	10.0	"	500		96.6	75-125	6.41	20	
Total Hydrocarbon C6-C35	897	10.0	"	1000		89.7	75-125	2.86	20	
Surrogate: <i>I</i> -Chlorooctane	48.6		mg/kg	50.0		97.2	70-130			
Surrogate: <i>I</i> -Chlorooctadecane	35.8		"	50.0		71.6	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.



Quality Assurance Review

Page 6 of 11

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

Project: Jct. 34 to Lea
Project Number: 2002-10286
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
05/27/04 09:49

Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EE42103 - Solvent Extraction (GC)

Calibration Check (EE42103-CCV1)

					Prepared & Analyzed: 05/23/04				
Gasoline Range Organics C6-C12	421		mg/kg	500	84.2	80-120			
Diesel Range Organics >C12-C35	498	"		500	99.6	80-120			
Total Hydrocarbon C6-C35	919	"		1000	91.9	80-120			
Surrogate: 1-Chlorooctane	53.8	"		50.0	108	70-130			
Surrogate: 1-Chlorooctadecane	42.9	"		50.0	85.8	70-130			

Calibration Check (EE42103-CCV2)

					Prepared & Analyzed: 05/24/04				
Gasoline Range Organics C6-C12	421		mg/kg	500	84.2	80-120			
Diesel Range Organics >C12-C35	513	"		500	103	80-120			
Total Hydrocarbon C6-C35	934	"		1000	93.4	80-120			
Surrogate: 1-Chlorooctane	53.5	"		50.0	107	70-130			
Surrogate: 1-Chlorooctadecane	46.3	"		50.0	92.6	70-130			

Matrix Spike (EE42103-MS1)

		Source: 4E21005-24			Prepared & Analyzed: 05/24/04				
Gasoline Range Organics C6-C12	586	10.0	mg/kg dry	568	ND	103	75-125		
Diesel Range Organics >C12-C35	660	10.0	"	568	ND	116	75-125		
Total Hydrocarbon C6-C35	1250	10.0	"	1140	ND	110	75-125		
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	70-130		
Surrogate: 1-Chlorooctadecane	45.9		"	50.0		91.8	70-130		

Matrix Spike Dup (EE42103-MSD1)

		Source: 4E21005-24			Prepared & Analyzed: 05/24/04				
Gasoline Range Organics C6-C12	508	10.0	mg/kg dry	568	ND	89.4	75-125	14.3	20
Diesel Range Organics >C12-C35	686	10.0	"	568	ND	121	75-125	3.86	20
Total Hydrocarbon C6-C35	1190	10.0	"	1140	ND	104	75-125	4.92	20
Surrogate: 1-Chlorooctane	50.4		mg/kg	50.0		101	70-130		
Surrogate: 1-Chlorooctadecane	51.9		"	50.0		104	70-130		

Environmental Lab of Texas

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Quality Assurance Review

Page 7 of 11

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

Project: Jct. 34 to Lea
Project Number: 2002-10286
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
05/27/04 09:49

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42504 - EPA 5030C (GC)										
Blank (EE42504-BLK1) Prepared & Analyzed: 05/24/04										
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	84.5		ug/kg	100		84.5	80-120			
Surrogate: 4-Bromofluorobenzene	83.3		"	100		83.3	80-120			
LCS (EE42504-BS1) Prepared & Analyzed: 05/24/04										
Benzene	89.1		ug/kg	100		89.1	80-120			
Toluene	86.1		"	100		86.1	80-120			
Ethylbenzene	86.3		"	100		86.3	80-120			
Xylene (p/m)	169		"	200		84.5	80-120			
Xylene (o)	86.2		"	100		86.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	82.1		"	100		82.1	80-120			
Surrogate: 4-Bromofluorobenzene	89.3		"	100		89.3	80-120			
Calibration Check (EE42504-CCV1) Prepared: 05/24/04 Analyzed: 05/25/04										
Benzene	92.3		ug/kg	100		92.3	80-120			
Toluene	91.5		"	100		91.5	80-120			
Ethylbenzene	90.5		"	100		90.5	80-120			
Xylene (p/m)	179		"	200		89.5	80-120			
Xylene (o)	90.2		"	100		90.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	109		"	100		109	80-120			
Surrogate: 4-Bromofluorobenzene	104		"	100		104	80-120			
Matrix Spike (EE42504-MS1) Source: 4E21005-24 Prepared: 05/24/04 Analyzed: 05/25/04										
Benzene	90.7		ug/kg	100	ND	90.7	80-120			
Toluene	88.4		"	100	ND	88.4	80-120			
Ethylbenzene	87.4		"	100	ND	87.4	80-120			
Xylene (p/m)	172		"	200	ND	86.0	80-120			
Xylene (o)	85.9		"	100	ND	85.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	102		"	100		102	80-120			
Surrogate: 4-Bromofluorobenzene	108		"	100		108	80-120			

Environmental Lab of Texas

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Roland K. Hall
Quality Assurance Review

Page 8 of 11

Jul 23 04 09:59a

Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476	Project: Jet. 34 to Lea Project Number: 2002-10286 Project Manager: Jimmy Bryant	Fax: (432) 687-4914 Reported: 05/27/04 09:49
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Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EE42504 - EPA 5030C (GC)

Matrix Spike Dup (EE42504-MSD1)	Source: 4E21005-24	Prepared: 05/24/04 Analyzed: 05/25/04						
Benzene	85.6	ug/kg	100	ND	85.6	80-120	5.79	20
Toluene	85.0	"	100	ND	85.0	80-120	3.92	20
Ethylbenzene	84.6	"	100	ND	84.6	80-120	3.26	20
Xylene (p/m)	167	"	200	ND	83.5	80-120	2.95	20
Xylene (o)	82.2	"	100	ND	82.2	80-120	4.40	20
Surrogate: <i>a,a,a-Trifluorotoluene</i>	107	"	100		107	80-120		
Surrogate: 4-Bromo Fluorobenzene	102	"	100		102	80-120		

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Roland C. Paul
Quality Assurance Review

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Jul 23 04 09:59a

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

Project: Jct. 34 to Lea
 Project Number: 2002-10286
 Project Manager: Jimmy Bryant

Fax: (432) 687-4914
 Reported:
 05/27/04 09:49

**General Chemistry Parameters by EPA / Standard Methods - Quality Control
 Environmental Lab of Texas**

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

Batch EE42402 - General Preparation (Prep)

Blank (EE42402-BLK1)					Prepared & Analyzed: 05/21/04					
----------------------	--	--	--	--	-------------------------------	--	--	--	--	--

% Solids	100	%								
Duplicate (EE42402-DUP1)		Source: 4E21001-01			Prepared & Analyzed: 05/21/04					

% Solids 86.0 % 86.0 0.00 20

Environmental Lab of Texas

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 Quality Assurance Review

Page 10 of 11

Jul 23 04 09:59a

Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476	Project: Jct. 34 to Lea Project Number: 2002-10286 Project Manager: Jimmy Bryant	Fax: (432) 687-4914 Reported: 05/27/04 09:49
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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Environmental Lab of Texas

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Ralan dlc 1-50
Quality Assurance Review

Page 11 of 11

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jimmy Bryant

Common Name: Blue All American (Formerly) Link Encrav(1)

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Company Address: 3803 E. HIGHWAY 8U

City/State/Zip: MIDLAND, TX 7

Telephone No.: (505) 631-3095
Sampler Signature: Ken Chesser

Project Name: Jct 3410 | ea

Digitized by srujanika@gmail.com

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جعفریان و همکاران / Environmental Economics



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

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2002-10286
Sample Name: LEJ34052104MW4 (5")

Report#Lab ID#: 156252
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
-Chlorooctane	8015 mod.	64.7	36-140	---
-Terphenyl	8015 mod.	227	40-121	X
2-Dichloroethane-d4	8260b	88.1	56-120	---
Toluene-d8	8260b	101	71-116	---

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

port #/Lab ID#: 156252 Matrix: soil
lent: Environmental Plus, Inc. Attn: Iain Ohness
ject ID: 2002-10286

sample Name: LEI34052104MW4 (5')

sample Temperature/Condition: <=6°C

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

sample Bottles & Preservation:

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

ag Discussion:

flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background :ls/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. :ause 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 :sence 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.)

ments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
phenyl	X	Surrogate recovery outside advisory/acceptance limits. Typically, for samples with TPH by GC hits, high recoveries are due to co-elution of
arphenyl	X	hydrocarbons from the sample at the same retention time as the surrogate

es:

Ident: Environmental Plus, Inc.
 Attn: Jain Olness
 Address: 2100 Ave. O
 Bunnice,
 phone: (505) 394-3481 FAX: (505) 394-2601

Report#/ <u>Lab ID#:</u>	156253	<u>Report Date:</u>	06/04/04
Project ID:	2002-10286		
Sample Name:	LEJ34052104MW4 (15)		
Sample Matrix:	soil		
Date Received:	05/28/2004	Time:	10:15
Date Sampled:	05/21/2004	Time:	08:42

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
¹ H by GC (as diesel)	137.0	mg/Kg	12.5	<12.5	06/03/04	8015 mod.	---	3.7	74.7	93.1	109.6
¹ H by GC (as diesel-ext)	---	mg/Kg	---	---	06/02/04	3570m	---	---	---	---	---
¹ H by GC (as gasoline)	3.88	mg/Kg	25	>25	06/03/04	8015 mod.	---	0.7	73.3	107.4	102.4
Diatile organics-8260b/BTEX	---		---	---	06/04/04	8260b(5030/5035)	---	---	---	---	---
Toluene	<20	μ g/Kg	20	>20	06/04/04	8260b	---	13.5	94.4	93.2	86.8
Hydrobenzene	257.0	μ g/Kg	20	>20	06/04/04	8260b	---	0.9	101.7	105.1	103.6
p-Xylenes	43.30	μ g/Kg	40	>40	06/04/04	8260b	---	6.3	109.4	100.6	101.8
Xylene	44.8	μ g/Kg	20	>20	06/04/04	8260b	---	3.6	115.1	109.5	109.9
o-xylene	>20	μ g/Kg	20	>20	06/04/04	8260b	---	6	101.7	102.5	91.7

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

Respectfully Submitted,


 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.

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

Report#/Lab ID#: 156253
Sample Matrix: soil

Client: Environmental Plus, Inc.
Attn: Iain Ohness
Project ID: 2002-10286
Sample Name: LEJ34052104MW4 (15')

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit(s)	Data Qualifiers
Chlorooctane	8015 mod.	none/diluted	diluted @ 2.5X	D
Terphenyl	8015 mod.	none/diluted	diluted @ 2.5X	D
2-Dichloroethane-d4	8260b	89.9	56-120	---
Toluene-d8	8260b	98.4	71-116	---

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

port #/Lab ID#: 156253 Matrix: soil
ent: Environmental Plus, Inc. Attn: Iain Olness
ject ID: 2002-10286
mple Name: LEJ34052104MW4 (15')

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

ag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualifier	Qualifier	Comment
chlorooctane	D	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
chlorooctane	D	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

es:



209 N. Main 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

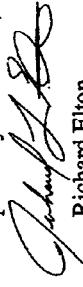
Report# / Lab ID#:	156151	Report Date:	06/03/04
Project ID:	2002-10286		
Sample Name:	LEJ34052504MW4		
Sample Matrix:	water		
Date Received:	05/26/2004	Time:	10:25
Date Sampled:	05/25/2004	Time:	12:10

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶
² H by GC (as diesel)	0.583	mg/L	0.5	<0.5	06/02/04	8015 mod.
² H by GC (as diesel-ext)	---	mg/L	---	---	06/01/04	3510
² H by GC (as gasoline)	3.03	mg/L	0.5	<0.5	06/02/04	8015 mod.
Volatile organics-8260b/BTEX	---		---	---	06/01/04	8260b(5030/5035)
Toluene	1.57	µg/L	1	<1	05/28/04	8260b
o-xylene	0.27	µg/L	10	<10	06/01/04	8260b
m-xylene	0.45	µg/L	20	<20	06/01/04	8260b
p-Xylenes	0.25	µg/L	10	<10	06/01/04	8260b
Xylene	0.25	µg/L	1	<1	05/28/04	8260b
o-xylene	0.25	µg/L	1	<1	05/28/04	8260b

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

Respectfully Submitted,



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 I = analyte potentially present between the PQL and the MDL, B = Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

QUALITY ASSURANCE DATA 1

	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recovery. ³	CCV ⁴	LCS ⁴
² H by GC (as diesel)	0.583	mg/L	0.5	<0.5	06/02/04	8015 mod.	---	15.3	99.3	94.8	84.5
² H by GC (as diesel-ext)	---	mg/L	---	---	06/01/04	3510	---	---	---	---	---
² H by GC (as gasoline)	3.03	mg/L	0.5	<0.5	06/02/04	8015 mod.	1	21.8	74.2	96.2	93.3
Volatile organics-8260b/BTEX	---		---	---	06/01/04	8260b(5030/5035)	---	---	---	---	---

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

Client: Environmental Plus, Inc.
Attn: Iain Olineski

Project ID: 2002-10286
Sample Name: LE134052504MW4

Report#/Lab ID#: 156151
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Chloroocane	8015 mod.	75.2	42-122	---
-Terphenyl	8015 mod.	100	39-125	---
2-Dichloroethane-d4	8260b	101	74-124	---
oluene-d8	8260b	111	89-115	---

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

port #/Lab ID#: 156151 Matrix: water
ent: Environmental Plus, Inc. Attn: Iain Olness
ject ID: 2002-10286

sample Name: L.EI34052504MW4

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.

ag Discussion:

flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background :ls/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. cause 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 :ence 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.)

gments pertaining to Data Qualifiers and QC data:

parameter	Qualif	Comment
I by GC (as gasoline)	J	See J-flag discussion above.

es:

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

5
lient: Environmental Plus, Inc.
tn: Iain Olness
Address: 2100 Ave. O
Eunice,
one: (505) 394-3481 FAX: (505) 394-2601

Report#/ <u>Lab ID#:</u>	156152	Report Date:	06/03/04
Project ID:	2002-10286		
Sample Name:	LEI34052504MW5		
Sample Matrix:	water		
Date Received:	05/26/2004	Time:	10:25
Date Sampled:	05/25/2004	Time:	13:30

PORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶
'H by GC (as diesel)	4.32	mg/L	0.5	<0.5	06/02/04	8015 mod.
'H by GC (as diesel-ext)	---	mg/L	---	---	06/01/04	3510
'H by GC (as gasoline)	4.93	mg/L	0.5	<0.5	06/02/04	8015 mod.
Labile organics-8260b/BTEX	---		---	---	06/01/04	8260b(5030/5035)
benzene	1.78	µg/L	10	<10	06/01/04	8260b
methylbenzene	6.54	µg/L	10	<10	06/01/04	8260b
p-Xylenes	52.3	µg/L	20	>20	06/01/04	8260b
Xylene	1.16	µg/L	10	<10	06/01/04	8260b
luene	20.9	µg/L	10	<10	06/01/04	8260b

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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.

2209 N. Padre Island Dr., Corpus Christi, TX 78403
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Report#/Lab ID#: 156152
Sample Matrix: water

Project ID: 2002-10286
Sample Name: LEJ34052504MW5

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Chlorooctane	8015 mod.	74.9	42-122	---
Terphenyl	8015 mod.	112	39-125	---
2-Dichloroethane-d4	8260b	105	74-124	---
oluene-d8	8260b	100	89-115	---

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

port #/Lab ID#: 156152 Matrix: water
ent: Environmental Plus, Inc. Attn: Iain Ohness
ject ID: 2002-10286
mple Name: LEJ34052504MW5

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.

ag Discussion:

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
I by GC (as diesel)	J	See J-flag discussion above.
I by GC (as gasoline)	J	See J-flag discussion above.

es:

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(512) 385-5986 • FAX (512) 385-7411

lent: Environmental Plus, Inc.
tn: Iain Olness
Address: 2100 Ave. O
Eunice,
one: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 156153 Report Date: 06/03/04
Project ID: 2002-10286
Sample Name: LEJ34052504MW6
Sample Matrix: water
Date Received: 05/26/2004 Time: 10:25
Date Sampled: 05/25/2004 Time: 14:50

PORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶
¹ H by GC (as diesel)	1.5	mg/L	0.5	<0.5	06/02/04	8015 mod.
¹ H by GC (as diesel-ext)	---	---	---	---	06/01/04	3510
¹ H by GC (as gasoline)	2.61	mg/L	0.5	<0.5	06/02/04	8015 mod.
Volatile organics-8260b/BTEX	---	---	---	05/28/04	8260b(5030/5035)	---
Azene	14.1	µg/L	10	<10	06/01/04	8260b
Hydrobenzene	16.2	µg/L	1	<1	05/28/04	8260b
p-Xylenes	18.3	µg/L	2	<2	05/28/04	8260b
Xylene	12.1	µg/L	1	<1	05/28/04	8260b
o-xylene	15.3	µg/L	1	<1	05/28/04	8260b

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Respectfully Submitted,



Richard Elton

QUALITY ASSURANCE DATA¹

	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
¹ H by GC (as diesel)	1.5	mg/L	0.5	<0.5	06/02/04	8015 mod.	---	15.3	99.3	94.8	84.5
¹ H by GC (as diesel-ext)	---	---	---	---	06/01/04	3510	---	---	---	---	---
¹ H by GC (as gasoline)	2.61	mg/L	0.5	<0.5	06/02/04	8015 mod.	J	21.8	74.2	96.2	93.3
Volatile organics-8260b/BTEX	---	---	---	05/28/04	8260b(5030/5035)	---	---	---	---	---	---
Azene	14.1	µg/L	10	<10	06/01/04	8260b	---	4.5	97.9	103.7	112.8
Hydrobenzene	16.2	µg/L	1	<1	05/28/04	8260b	---	1.2	111.1	109.6	116.5
p-Xylenes	18.3	µg/L	2	<2	05/28/04	8260b	---	0.3	108.3	110.1	119
Xylene	12.1	µg/L	1	<1	05/28/04	8260b	---	2	114.2	111.3	121
o-xylene	15.3	µg/L	1	<1	05/28/04	8260b	---	2.6	113.9	110.3	120.5

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

Report# /Lab ID#: 156153
Sample Matrix: water

Client: Environmental Plus, Inc.
Attn: Iain Ohness
Project ID: 2002-10286
Sample Name: LEJ34052504MW6

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
-Chlorooctane	8015 mod.	76.4	42-122	---
-Terphenyl	8015 mod.	104	39-125	---
2-Dichloroethane-d4	8260b	103	74-124	---
oluene-d8	8260b	108	89-115	---

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

port #/Lab ID#: 156153 Matrix: water
lent: Environmental Plus, Inc. Attn: Iain Ohness

ject ID: 2002-10286
mple Name: LEI34052504MW6

mple 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).

mple Bottles & Preservation:

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

ag Discussion:

flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background :ls/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. :use 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 :ence and relative ratio of target ions (e.g. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

mments pertaining to Data Qualifiers and QC data:

meter	Qualif	Comment
I by GC (as gasoline)	J	See J-flag discussion above.

es:

lent: Environmental Plus, Inc.
 tn: Iain Olness
 idress: 2100 Ave. O
 Eunice,
 NM 88231
 one: (505) 394-3481 FAX: (505) 394-2601

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶
¹ H by GC (as diesel)	2.52	mg/L	0.5	<0.5	06/02/04	8015 mod.
¹ H by GC (as diesel-ext)	---	---	---	---	06/01/04	3510
¹ H by GC (as gasoline)	5.74	mg/L	0.5	<0.5	06/02/04	8015 mod.
Volatile organics-8260b/BTEX	---	---	---	---	05/28/04	8260b(5030/5035)
Toluene	184.0	µg/L	10	<10	05/28/04	8260b
Styrene	81.3	µg/L	10	<10	05/28/04	8260b
p-Xylenes	45.7	µg/L	20	<20	05/28/04	8260b
Xylene	41	µg/L	10	<10	05/28/04	8260b
o-xylene	26.7	µg/L	10	<10	05/28/04	8260b

QUALITY ASSURANCE DATA 1						
	Result	Units	RQL ⁵	Blank	Date	Method ⁶
¹ H by GC (as diesel)	2.52	mg/L	0.5	<0.5	06/02/04	8015 mod.
¹ H by GC (as diesel-ext)	---	---	---	---	06/01/04	3510
¹ H by GC (as gasoline)	5.74	mg/L	0.5	<0.5	06/02/04	8015 mod.
Volatile organics-8260b/BTEX	---	---	---	---	05/28/04	8260b(5030/5035)
Toluene	184.0	µg/L	10	<10	05/28/04	8260b
Styrene	81.3	µg/L	10	<10	05/28/04	8260b
p-Xylenes	45.7	µg/L	20	<20	05/28/04	8260b
Xylene	41	µg/L	10	<10	05/28/04	8260b
o-xylene	26.7	µg/L	10	<10	05/28/04	8260b

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Respectfully Submitted,


 Richard Elton

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Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LEJ34052504MW7

220 [REDACTED] Padre [REDACTED] and [REDACTED] Corps [REDACTED], TX, 78408
(512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 156154
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Chloroocetane	8015 mod.	68.4	42-122	---
Terphenyl	8015 mod.	108	39-125	---
2-Dichloroethane-d4	8260b	122	74-124	---
Toluene-d8	8260b	106	89-115	---

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

AnalySys Inc.

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

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

Chain of Custody Form

LAB I.D.	SAMPLE I.D.	SAMPLE		TIME	DATE	OTHER	ACID/BASE	SLUDGE	CRUDE OIL	WASTEWATER	# CONTAINERS	GROUNDWATER	SOIL	PROJECT	PRESERV.	SAMPLING		
		MATRIX	PREP.															
156151	LEJ34052504MW4	G	2 X			X	X											
156152	LEJ34052504MW5	G	2 X			X	X											
156153	LEJ34052504MW6	G	2 X			X	X											
156154	LEJ34052504MW7	G	2 X			X	X											
5																		
6																		
7																		
8																		
9																		
10																		
REMARKS:																		
E-mail results to: ionness@hotmail.com and enviplus1@aol.com																		
Sampler Relinquished:	Date: 5/25/04	Received By: _____	Time: 03:15	Delivered by:	Sample Cool & Intact: Yes No	Checked By: Sergio Bryant /ASL												
Relinquished by:	Date: 5/25/04	Received By: (lab staff)	Time: 10:15	Delivered by:														

AnalySys
INC.

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	07/29/04	3520	---	---	---	---	---
Chloride	1740	mg/L	50	<50	08/05/04	325.2&9251	---	1.97	109.17	103	96.22
Extractable organics-PAH	---	---	---	---	08/13/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	07/30/04	8260b(5030/5035)	---	---	---	---	---
Benzene	1260	µg/L	10	<10	07/31/04	8260b	---	3.4	85.3	102.5	97.8
Ethylbenzene	898	µg/L	10	<10	07/31/04	8260b	---	4.3	90	109.3	104
m,p-Xylenes	590	µg/L	20	<20	07/31/04	8260b	---	1.9	11.2	108.9	106.1
o-Xylene	9.54	µg/L	1	<1	07/30/04	8260b	---	4.7	110.9	111.3	109.2
Toluene	2.36	µg/L	1	<1	07/30/04	8260b	---	6.2	108.1	114.9	107.6
Acenaphthene	0.1 ^{1.5}	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.5	37.4	88.1	43.9
Acenaphthylene	0.136	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.8	39.3	104.5	47.6
Anthracene	0.07	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	8.2	50.6	101.9	57.1
Benzol[a]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.5	41.7	91.6	56.2
Benzol[al]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	17.8	28.9	98.6	59.4
Benzol[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	7.7	27.9	82.1	45.9
Benzol[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	37.4	110.2	62.1
Benzol[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	3.6	38.4	108.4	63.4
Chrysene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	J	6.8	47.1	110.6	63
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	36.2	108.7	61.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.4	55.7	107.7	60.3
Fluorene	1.45	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	14.1	43.8	83.6	46.3

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Respectfully Submitted,



Richard Elton

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3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample.
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5. Reporting Quantitation Limit (RQL) 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 recoveries exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. M =Matrix interference.

CHROMYS
ME.

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

Client: Environmental Plus, Inc.
 Attn: Iain Olness

Project ID: 2002-10286
 Sample Name: LEI34072/604MW1

Report# /Lab ID#: 157903
 Sample Matrix: water

REPORT OF ANALYSIS-cont.

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.3	35.4	109.6	61.1
Naphthalene	42.6	µg/L	0.5	<0.5	08/13/04	610 & 8270c	---	2.9	32.5	95	41.4
Phenanthrene	1.13	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	4.7	45.1	83.7	46.6
Pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.1	55.2	100	58.3

QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.3	35.4	109.6	61.1
Naphthalene	42.6	µg/L	0.5	<0.5	08/13/04	610 & 8270c	---	2.9	32.5	95	41.4
Phenanthrene	1.13	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	4.7	45.1	83.7	46.6
Pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.1	55.2	100	58.3

Environmental Sciences

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

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Report#Lab ID#: 157903
Sample Matrix: water

Project ID:	2002-10286
Sample Name:	LEI34072604MW1

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	49	39-110	---
Nitrobenzene-d5	610 & 8270c	89.5	12-110	---
Terphenyl-d14	610 & 8270c	34.5	25-110	---
1,2-Dichloroethane-d4	8260b	103	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#:	157903	Matrix:	water
Client:	Environmental Plus, Inc.	Attn:	Iain Olness
Project ID:	2002-10286		
Sample Name:	LEE34072604MW1		

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
Chrysene	J	See J-flag discussion above.

Notes:

AnalySys Inc.

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/B/N Extraction-PAH	---	---	---	---	07/29/04	3520	---	---	---	---	---
Chloride	2100	ng/L	50	<50	08/05/04	325.2 & 9251	---	1.97	109.17	103	96.22
Extractable organics-PAH	---	---	---	---	08/13/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	07/30/04	8260b(5030/5035)	---	---	---	---	---	---
Benzene	6020	µg/L	100	<100	07/31/04	8260b	---	3.4	85.3	102.5	97.8
Ethylbenzene	1740	µg/L	100	<100	07/31/04	8260b	---	4.3	90	109.3	104
m,p-Xylenes	910	µg/L	200	<200	07/31/04	8260b	---	1.9	112	108.9	106.1
o-Xylene	15.7	µg/L	1	<1	07/30/04	8260b	---	4.7	110.9	111.3	109.2
Toluene	3.42	µg/L	1	<1	07/30/04	8260b	---	6.2	108.1	114.9	107.6
Acenaphthene	0.075	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.5	37.4	88.1	43.9
Acenaphthylene	0.092	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.8	39.3	104.5	47.6
Anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	J	8.2	50.6	101.9	57.1
Benzof[a]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.5	41.7	91.6	56.2
Benzol[al]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	17.8	28.9	98.6	59.4
Benzol[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	7.7	27.9	82.1	45.9
Benzol[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	37.4	110.2	62.1
Benzol[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	3.6	38.4	108.4	63.4
Chrysene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.8	47.1	110.6	63
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	36.2	108.7	61.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.4	55.7	107.7	60.3
Fluorene	0.934	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	14.1	43.8	83.6	46.3

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

Respectfully Submitted,

Richard Elton

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

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

Report#Lab ID#: 157904 Report Date: 08/16/04

Project ID#: 2002-10286

Sample Name: LEJ34072604MW2

Sample Matrix: water

Date Received: 07/28/2004 Time: 10:15

Date Sampled: 07/26/2004 Time: 10:15

QUALITY ASSURANCE DATA 1

Analytics
MC.3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411Client: Environmental Plus, Inc.
Attn: Iain OlnessProject ID: 2002-10286
Sample Name: LEI34072604MW2Report# /Lab ID#: 157904
Sample Matrix: water**REPORT OF ANALYSIS-cont.**

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.3	35.4	109.6	61.1
Naphthalene	49.5	µg/L	5	<5	08/13/04	610 & 8270c	---	2.9	32.5	95	41.4
Phenanthrene	0.495	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	4.7	45.1	83.7	46.6
Pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.1	55.2	100	58.3

QUALITY ASSURANCE DATA

1

	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴

Analysts

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

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LE134072604MW2

Report# /Lab ID#: 157904
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	68	39-110	---
Nitrobenzene-d5	610 & 8270c	54.1	12-110	---
Terphenyl-d14	610 & 8270c	49	25-110	---
1,2-Dichloroethane-d4	8260b	99.5	74-124	---
Toluene-d8	8260b	101	89-115	---

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

Exceptions Report:

Report #/Lab ID#:	157904	Matrix:	water
Client:	Environmental Plus, Inc.		
Project ID#:	2002-10286	Attn:	Iain Ohness
Sample Name:	LEI34072604MW2		

Sample Temperature/Condition: <=6°C

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

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes:

AnalySys
Inc.

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	07/29/04	3520	---	---	---	---	---
Chloride	2230	mg/L	50	<50	08/05/04	325.2牃	---	1.97	109.17	103	96.22
Extractable organics-PAH	---	---	---	---	08/13/04	610 & 8270c	---	---	---	---	---
Volatile organics-S260b/BTEX	---	---	---	07/30/04	8260b(5030/5035)	---	---	---	---	---	---
Benzene	2.13	µg/L	1	<1	07/30/04	8260b	---	3.4	85.3	102.5	97.8
Ethylbenzene	447	µg/L	10	<10	07/31/04	8260b	---	4.3	90	109.3	104
m,p-Xylenes	91.7	µg/L	2	<2	07/30/04	8260b	---	1.9	112	108.9	106.1
o-Xylene	1.85	µg/L	1	<1	07/30/04	8260b	---	4.7	110.9	111.3	109.2
Toluene	<1	µg/L	1	<1	07/30/04	8260b	---	6.2	108.1	114.9	107.6
Acenaphthene	0.066	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.5	37.4	88.1	43.9
Acenaphthylene	0.104	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.8	39.3	104.5	47.6
Anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	J	8.2	50.6	101.9	57.1
Benzof[a]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.5	41.7	91.6	56.2
Benzol[al]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	17.8	28.9	98.6	59.4
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	7.7	27.9	82.1	45.9
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	37.4	110.2	62.1
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	3.6	38.4	108.4	63.4
Chrysene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.8	47.1	110.6	63
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	36.2	108.7	61.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.4	55.7	107.7	60.3
Fluorene	1.15	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	14.1	43.8	83.6	46.3

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

Respectfully Submitted,



Richard Elton

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Report# /Lab ID#: 157905	Report Date: 08/16/04
Project ID: 2002-10286	
Sample Name: LEJ34072604MW4	
Sample Matrix: water	
Date Received: 07/28/2004	Time: 10:15
Date Sampled: 07/26/2004	Time: 11:20

QUALITY ASSURANCE DATA 1

ONLINE3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411Client: Environmental Plus, Inc.
Attn: Iain OhnesProject ID: 2002-10286
Sample Name: LEJ34072604MW4Report# /Lab ID#: 157905
Sample Matrix: waterREPORT OF ANALYSIS-cont.

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-c]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.3	35.4	109.6	61.1
Naphthalene	37	µg/L	0.5	<0.5	08/13/04	610 & 8270c	---	2.9	32.5	95	41.4
Phenanthrene	0.85	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	4.7	45.1	83.7	46.6
Pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.1	55.2	100	58.3

QUALITY ASSURANCE DATA 1

Omnisys

Client: Environmental Plus, Inc.
Attn: Iain Olness

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	50.7	39-110	---
Nitrobenzene-d5	610 & 8270c	98.9	12-110	---
Terphenyl-d14	610 & 8270c	42.3	25-110	---
1,2-Dichloroethane-d4	8260b	106	74-124	---
Toluene-d8	8260b	102	89-115	---

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

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

Report#/Lab ID#: 157905
Sample Matrix: water

Exceptions Report:

Report #/Lab ID#:	157905	Matrix:	water
Client:	Environmental Plus, Inc.	Attn:	Iain Ohness
Project ID:	2002-10286		
Sample Name:	LEE34072604MW4		

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
Anthracene	J	See J-flag discussion above.

Notes:

AnalySys
INC.

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	07/29/04	3520	---	---	---	---	---
Chloride	2480	mg/L	50	<50	08/05/04	325.2&9251	---	1.97	109.17	103	96.22
Extractable organics-PAH	---	---	---	---	08/13/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	07/30/04	8260b(5030/5035)	---	---	---	---	---	---
Benzene	93.4	µg/L	1	<1	07/30/04	8260b	---	3.4	85.3	102.5	97.8
Ethylbenzene	484	µg/L	10	<10	07/31/04	8260b	---	4.3	90	109.3	104
m,p-Xylenes	11.3	µg/L	2	<2	07/30/04	8260b	---	1.9	112	108.9	106.1
o-Xylene	1.29	µg/L	1	<1	07/30/04	8260b	---	4.7	110.9	111.3	109.2
Toluene	2.04	µg/L	1	<1	07/30/04	8260b	---	6.2	108.1	114.9	107.6
Acenaphthene	0.092	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.5	37.4	88.1	43.9
Acenaphthylene	0.125	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.8	39.3	104.5	47.6
Anthracene	0.06	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	8.2	50.6	101.9	57.1
Benzof[a]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.5	41.7	91.6	56.2
Benzof[al]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	17.8	28.9	98.6	59.4
Benzof[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	7.7	27.9	82.1	45.9
Benzof[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	37.4	110.2	62.1
Benzof[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	3.6	38.4	108.4	63.4
Chrysene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.8	47.1	110.6	63
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	36.2	108.7	61.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.4	55.7	107.7	60.3
Fluorene	1.37	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	14.1	43.8	83.6	46.3

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Respectfully Submitted,

 Richard Elton

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

Report#Lab ID#:	157906	Report Date:	08/16/04
Project ID#:	2002-10286		
Sample Name:	LEJ34072604MW5		
Sample Matrix:	water		
Date Received:	07/28/2004	Time:	10:15
Date Sampled:	07/26/2004	Time:	12:05

CHROMASYS
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 Ohnes

Project ID: 2002-10286
Sample Name: LEI34072604MW5

Report# /Lab ID#: 157906
Sample Matrix: water

REPORT OF ANALYSIS-cont.

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.3	35.4	109.6	61.1
Naphthalene	32.8	µg/L	0.5	<0.5	08/13/04	610 & 8270c	---	2.9	32.5	95	41.4
Phenanthrene	0.976	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	4.7	45.1	83.7	46.6
Pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.1	55.2	100	58.3

QUALITY ASSURANCE DATA 1

Conlys Inc.

Client: Environmental Plus, Inc.
Attn: Iain Oiness

Project ID: 2002-10286
Sample Name: LEI34072604MW5

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	67.4	39-110	---
	610 & 8270c	110	12-110	---
	610 & 8270c	50.6	25-110	---
1,2-Dichloroethane-d4	8260b	107	74-124	---
	8260b	101	89-115	---

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

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 365-5886 • FAX (512) 385-7411

Report#/Lab ID#: 1.57906
Sample Matrix: Water

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: Ian Ohness
Address: 2100 Ave. O
Eunice,
Phone: (505) 394-3481 FAX: (505) 394-2601

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁸
A/BN Extraction-PAH	---	---	---	---	07/29/04	3520	---	---	---	---	---
Chloride	2090	mg/L	50	<50	08/05/04	325.2&9251	---	1.97	109.17	103	96.22
Extractable organics-PAH	---	---	---	---	08/13/04	610 & 8270c	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	07/29/04	8260b(5030/5035)	---	---	---	---	---
Benzene	99.8	µg/L	1	<1	07/29/04	8260b	---	3.4	85.3	102.5	97.8
Ethylbenzene	75.4	µg/L	1	<1	07/29/04	8260b	---	4.3	90	109.3	104
m,p-Xylenes	2.28	µg/L	2	<2	07/29/04	8260b	---	1.9	117	108.0	106.1
o-Xylene	<1	µg/L	1	<1	07/29/04	8260b	---	4.7	10.9	111.3	109.2
Toluene	<1	µg/L	1	<1	07/29/04	8260b	---	6.2	108.1	114.9	107.6
Acenaphthene	0.069	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.5	37.4	88.1	43.9
Acenaphthylene	0.057	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.8	39.3	104.5	47.6
Anthracene	0.062	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	8.2	50.6	101.9	57.1
Benzof[a]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.5	41.7	91.6	56.2
Benzof[b]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	17.8	28.9	98.6	59.4
Benzof[b]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	7.7	27.9	82.1	45.9
Benzof[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	37.4	110.2	62.1
Benzof[i,k]fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	3.6	38.4	108.4	63.4
Chrysene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	6.8	47.1	110.6	63
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.8	36.2	108.7	61.2
Fluoranthene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	0.4	55.7	107.7	60.3
Fluorene	0.675	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	14.1	43.8	83.6	46.3

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

Respectfully Submitted,

Richard Elton

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

CⁿTOⁿYSⁿ_{ME}

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: Alan Olness

Project ID: 2002-10286
Sample Name: LEI34072604MW6

Report# /Lab ID#: 157907
Sample Matrix: water

REPORT OF ANALYSIS-cont.

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-ed]pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	5.3	35.4	109.6	61.1
Naphthalene	6.71	µg/L	0.5	<0.5	08/13/04	610 & 8270c	---	2.9	32.5	95	41.4
Phenanthrene	0.437	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	4.7	45.1	83.7	46.6
Pyrene	<0.05	µg/L	0.05	<0.05	08/13/04	610 & 8270c	---	1.1	55.2	100	58.3

QUALITY ASSURANCE DATA 1

CHROMASYS
INC.

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

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LE134072604MW6

Report# /Lab ID#: 157907
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	60.5	39-110	---
Nitrobenzene-d5	610 & 8270c	102	12-110	---
Terphenyl-d14	610 & 8270c	34	25-110	---
1,2-Dichloroethane-d4	8260b	93.6	74-124	---
Toluene-d8	8260b	100	89-115	---

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

גָּמְלָאָרֶס Inc.

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

REPORT OF ANALYSIS

Parameter	Performance Data										
	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual. ⁷	Prec. 2	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH	---	---	---	---	07/29/04	3520	---	---	---	---	---
Chloride	2.320	mg/L	50	<50	08/05/04	325.2&9251	---	1.97	109.17	103	96.22
Extractable organics-PAH	---	---	---	---	08/13/04	610 & 8270C	---	---	---	---	---
Volatile organics-8260b/BTEX	---	---	---	---	07/30/04	8260b(5030/5035)	---	---	---	---	---
Benzene	2110	µg/L	10	<10	07/30/04	8260b	---	1	107.5	96.8	116.2
Ethylbenzene	1180	µg/L	10	<10	07/30/04	8260b	---	1.9	109.6	103.9	111
m,p-Xylenes	1490	µg/L	20	>20	07/30/04	8260b	---	1.7	111.2	102.9	106.8
o-Xylene	585	µg/L	10	<10	07/30/04	8260b	---	3.2	113.3	108.2	111.9
Toluene	608	µg/L	10	<10	07/30/04	8260b	---	5.6	116	103	107.7
Acenaphthene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	5.5	37.4	88.1	43.9
Acenaphthylene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	0.8	39.3	104.5	47.6
Anthracene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	8.2	50.6	101.9	57.1
Benzo[a]anthracene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	6.5	41.7	91.6	56.2
Benzo[a]pyrene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	17.8	28.9	98.6	59.4
Benzo[b]fluoranthene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	7.7	27.9	82.1	45.9
Benzo[g,h,i]perylene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	1.8	37.4	110.2	62.1
Benzo[j,k]fluoranthene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	3.6	38.4	108.4	63.4
Chrysene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	6.8	47.1	110.6	63
Dibenz[a,h]anthracene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	1.8	36.2	108.7	61.2
Fluoranthene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	0.4	55.7	107.7	60.3
Fluorene	0.635	µg/L	0.5	<0.5	08/13/04	610 & 8270C	---	43.8	83.6	46.3	43.1

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

Respectfully Submitted,

Richard Elton

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample.

recovered from a spaced sample. 4. Calibration Verification (CV) 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 Detection Quantitation Limit (DQL).

6. Method numbers typically denote USEPA procedures. Less than ("<") values represent nominal quantities present between the PQL_U and the MDL_U, typically at or above the Practical Quantitation Limit (PQL_L) or the analytical method detection limit (MDL_L). 7. Data Qualifiers are I = analytic potentially present between the PQL_U and the MDL_U, D = detected at or above the PQL_U, A = analyte at or above the MDL_U.

Quantities s and j = analytic potential present between the RQL and the MLL. 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.

QnalySys
ME.

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

Client: Environmental Plus, Inc.
Attn: Ian Ohness

Project ID: 2002-10286
Sample Name: LEJ34072604MW7

Report# /Lab ID#: 157908
Sample Matrix: water

REPORT OF ANALYSIS-cont.

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Indeno[1,2,3-cd]pyrene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270c	--	5.3	35.4	109.6	61.1
Naphthalene	36.5	µg/L	0.5	<0.5	08/13/04	610 & 8270c	--	2.9	32.5	95	41.4
Phenanthrene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270c	J	4.7	45.1	83.7	46.6
Pyrene	<0.5	µg/L	0.5	<0.5	08/13/04	610 & 8270c	--	1.1	55.2	100	58.3

QUALITY ASSURANCE DATA 1

Analysts Inc.

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LEI34072604MW7

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	none/diluted	diluted @ 10X	D
Nitrobenzene-d5	610 & 8270c	none/diluted	diluted @ 10X	D
Terphenyl-d14	610 & 8270c	none/diluted	diluted @ 10X	D
1,2-Dichloroethane-d4	8260b	105	74-124	---
Toluene-d8	8260b	102	89-115	---

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

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2209 N. Padre Island Dr., Corpus Christi, TX 78498
(512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 157908
Sample Matrix: water

Exceptions Report:

Report #/Lab ID#:	157908	Matrix:	water
Client:	Environmental Plus, Inc.	Attn:	Iain Olness
Project ID#:	2002-10286		
Sample Name:	LEJ34072604MW7		

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

J flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Phenanthrene	J	See J-flag discussion above.
[2-Fluorobiphenyl-2-Fluorobiphenyl]	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (e.g. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (e.g. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Nitrobenzene-d5	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (e.g. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Terphenyl-d14	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (e.g. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Terphenyl-d14	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (e.g. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes:

10/2

AnalySys Inc.

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

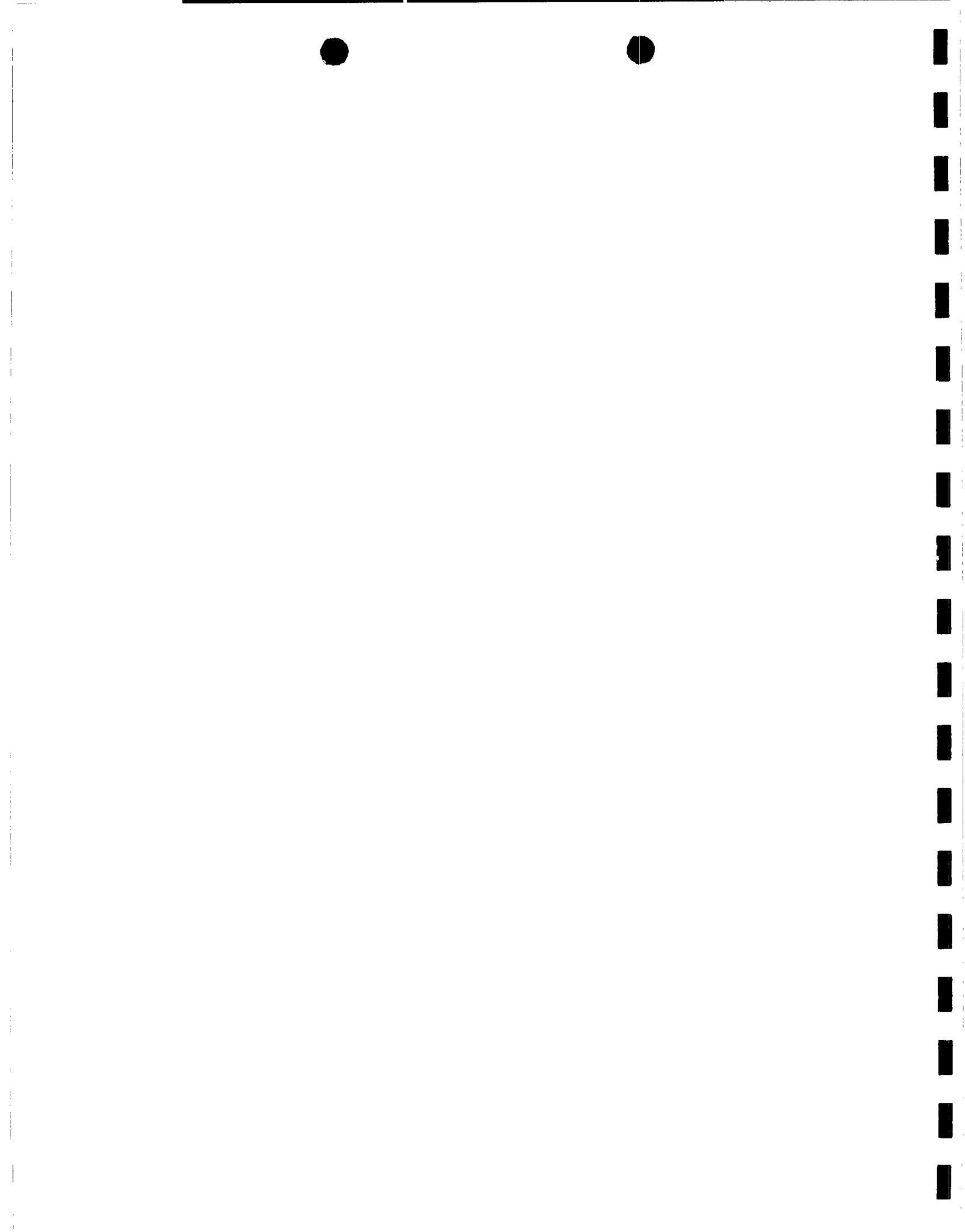
2209 N. Padre Island Dr., Corpus Christi, TX 78408

Chain of Custody Form

ANALYSIS REQUEST		Bill To:			
Company Name	Environmental Plus, Inc.				
EPI Project Manager	Iain Olness				
Mailing Address	P.O. BOX 1558	PLAINS ALL AMERICAN PIPELINE, L.P.			
City, State, Zip	Eunice New Mexico 88231				
EPI Phone#/Fax#	505-394-3481 / 505-394-2601				
Client Company	Plains All American				
Facility Name	Junction 34 to Lea				
Project Reference	2002-10286	Attn: Jimmy Bryant PO Box 1660, Midland, TX 79701			
EPI Sampler Name	Manuel Gonzales				
LAB I.D.	SAMPLE I.D.	MATRIX	PRESERV.	SAMPLING	
		(G)RAB OR (C)OMP.	# CONTAINERS	WASTEWATER	ACID/BASE
				CRUDE OIL	SLUDGE
				SOLID	OTHER:
				GROUND WATER	ICE/COOL
				WATER	OTHER:
					TIME
					DATE
					PH
					TCLP
					PAH
					OTHER VVY
					SULFATES (SO ₄ ²⁻)
					CHLORIDES (Cl ⁻)
					TPH 8015M
					BTEX 8021B
157903	1 LEJ34072604MW1	G	X	X	26-Jul 9:20 X X
157904	2 LEJ34072604MW2	G	X	X	26-Jul 10:15 X X
157905	3 LEJ34072604MW4	G	X	X	26-Jul 11:20 X X
157906	4 LEJ34072604MW5	G	X	X	26-Jul 12:05 X X
157907	5 LEJ34072604MW6	G	X	X	26-Jul 10:55 X X
157908	6 LEJ34072604MW7	G	X	X	26-Jul 7:30 X X
	7				
	8				
	9				
	10				

Sample Handinshed by: *Iain Olness* Received By: *Iain Olness* Date: 7/27/04 Time: 6:30
Relinquished by: *Iain Olness* Received By: *Iain Olness* Date: 7/28/04 Time: 10:15
Delivered by: *Iain Olness* Sample Cool & intact Yes Checked By: *Jimmy Bryant / A5/* No

E-mail results to: tolness@hotmail.com and enviplus1@aol.com
REMARKS: T:5:5C



三

DATA CENTER INC.

Client: Environmental Plus, Inc.
Attn: Iain Olness
Address: 2100 Ave. O
Eunice NM 8823

Client: Environmental Plus Inc

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

REPORT OF ANALYSIS

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

Respectfully Submitted

Dale Wagner

Dale Wagner

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2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements.
3. Recovery (Recovery) is the percent (%) of analyte recovered from a spiked sample.
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5. Method 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 blanks. S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference

QUALITY ASSESSMENT DATA 1

QUALITY ASSURANCE DATA						
Blank	Date	Method	6	Data Qual.	7	Prec.
					2	Recov.
<10	10/08/04	8260b(5030/5035)	---	---	---	CCV ⁴
<10	10/07/04	8260b	---	4.5	91.2	LCS ⁴
<10	10/07/04	8260b	---	0.1	84.9	92.6
<4	10/08/04	8260b	---	0.4	105.8	104.5
<2	10/08/04	8260b	---	0.6	107.7	102
<2	10/08/04	8260b	---	3	105.4	103.7
<2	10/08/04	8260b	---	3	106.9	101.2
<2	10/08/04	8260b	---	3	106.9	106.7

Analysys
INC.

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

Report#/Lab ID#: 160289
Sample Matrix: water

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2002-10286
Sample Name: LEJ34100404MW1

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	74-124	---
Toluene-d8	8260b	101	89-115	---

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

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		10/08/04	8260b(5030/5035)	---	---	---	---	---
Benzene	2340	µg/L	10	<10	10/07/04	8260b	---	4.5	91.2	92.1	92.6
Ethylbenzene	1380	µg/L	10	<10	10/07/04	8260b	---	0.1	84.9	104.5	102
m,p-Xylenes	261	µg/L	10	<10	10/08/04	8260b	---	0.4	105.8	103.7	101.2
o-Xylene	5	µg/L	5	<5	10/08/04	8260b	---	0.6	107.7	105.4	106.7
Toluene	5	µg/L	5	<5	10/08/04	8260b	---	3	106.9	106.9	111.2

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

Respectfully Submitted,

Dale Wagner

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Report#/Lab ID#: 160290 Report Date: 10/11/04
 Project ID: 2002-10286
 Sample Name: LEI34100404MW2
 Sample Matrix: water
 Date Received: 10/06/2004 Time: 13:30
 Date Sampled: 10/04/2004 Time: 13:05

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	---		---		10/08/04	8260b(5030/5035)	---	---	---	---	---
Benzene	2340	µg/L	10	<10	10/07/04	8260b	---	4.5	91.2	92.1	92.6
Ethylbenzene	1380	µg/L	10	<10	10/07/04	8260b	---	0.1	84.9	104.5	102
m,p-Xylenes	261	µg/L	10	<10	10/08/04	8260b	---	0.4	105.8	103.7	101.2
o-Xylene	5	µg/L	5	<5	10/08/04	8260b	---	0.6	107.7	105.4	106.7
Toluene	5	µg/L	5	<5	10/08/04	8260b	---	3	106.9	106.9	111.2

Analysts Inc.

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LEJ34100404MW2

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

Report# /Lab ID#: 160290
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	99.5	89-115	---

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

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	µg/L	---	---	10/07/04	8260b(5030/5035)	---	---	---	---	---
Benzene	1400	µg/L	100	<100	10/07/04	8260b	---	4.5	91.2	92.1	92.6
Ethylbenzene	730	µg/L	100	<100	10/07/04	8260b	---	0.1	84.9	104.5	102
m,p-Xylenes	723	µg/L	200	>200	10/07/04	8260b	---	0.4	105.8	103.7	101.2
o-Xylene	242	µg/L	100	<100	10/07/04	8260b	---	0.6	107.7	105.4	106.7
Toluene	421	µg/L	100	<100	10/07/04	8260b	---	3	106.9	106.9	111.2

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

Respectfully Submitted,

Dale Wagner

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

Report#	LEJ34100404MW3	Report Date:	10/11/04
Lab ID#:	160291	Project ID:	2002-10286
Sample Name:	water	Sample Matrix:	
Date Received:	10/06/2004	Time:	13:30
Date Sampled:	10/04/2004	Time:	14:21

CHILDS INC.

3514 Monopous Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Report# /Lab ID#: 160291
Sample Matrix: water

Project ID: 2002-10286
Sample Name: LEJ34100404MW3

REPORT OF SURROGATE RECOVERY

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

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

ANALYSIS INC.

Montgomery Drive, Austin, TX 78748
2205 N. Paule Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶
Volatile organics-8260b/BTEX	---		---		10/07/04	8260b(5030/5035)
Benzene	<1	µg/L	1	<1	10/07/04	8260b
Ethylbenzene	93.4	µg/L	1	<1	10/07/04	8260b
m,p-Xylenes	5.03	µg/L	2	>2	10/07/04	8260b
o-Xylene	<1	µg/L	1	<1	10/07/04	8260b
Toluene	<1	µg/L	1	<1	10/07/04	8260b

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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 an 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 limits. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Report#	Lab ID#:	160292	Report Date:	10/11/04
Project ID:		2002-10286		
Sample Name:	LEJ34100404MW4			
Sample Matrix:	water			
Date Received:	10/06/2004	Time:	13:30	
Date Sampled:	10/04/2004	Time:	11:40	

QUALITY ASSURANCE DATA 1

			Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁵
			---	---	---	---	---
			---	4.5	91.2	92.1	92.6
			---	0.1	84.9	104.5	102
			---	0.4	105.8	103.7	101.2
			---	0.6	107.7	105.4	106.7
			---	3	106.9	106.9	111.2

CHILLYS
INC.

2012 Monizophous Drive, Ausun, LA 70144 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LEJ34100404MW4

Report# /Lab ID#: 160292
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.6	74-124	---
Toluene-d8	8260b	101	89-115	---

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

ANALYSYS INC.

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	µg/L	---		10/08/04	8260b(5030/5035)	--	--	--	--	--
Benzene	69.2	µg/L	1	<1	10/08/04	8260b	--	4.5	91.2	92.1	92.6
Ethylbenzene	199	µg/L	1	<1	10/08/04	8260b	--	0.1	84.9	104.5	102
m,p-Xylenes	28.6	µg/L	2	>2	10/08/04	8260b	--	0.4	105.8	103.7	101.2
o-Xylene	<1	µg/L	1	<1	10/08/04	8260b	1	0.6	107.7	105.4	106.7
Toluene	<1	µg/L	1	<1	10/08/04	8260b	--	3	106.9	106.9	111.2

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Respectfully Submitted,

Dale Wagner

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Report#	Lab ID#:	160293	Report Date:	10/11/04
Project ID:		2002-10286		
Sample Name:	LEJ34100404MW5			
Sample Matrix:	water			
Date Received:	10/06/2004	Time:	13:30	
Date Sampled:	10/04/2004	Time:	10:12	

ONLYSYS
INC.

2524 Monopoulos Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Ohness

REPORT OF SURROGATE RECOVERY

Report#/**Lab ID#:** 160293
Sample Name: LEJ34100404MW5
Sample Matrix: water

Project ID: 2002-10286
Sample Name: LEJ34100404MW5

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	104	74-124	---
Toluene-d8	8260b	99.5	89-115	---

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

Report #/Lab ID#: 160293 Matrix: water

Client: Environmental Plus, Inc.

Project ID: 2002-10286

Attn: Iain Ohness

Sample Name: LEI34100404MW5

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:

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

REPORT OF ANALYSIS						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶
Volatile organics-8260b/BTEX	---	---	---	---	10/07/04	8260b(5030/5035)
Benzene	33.2	µg/L	1	<1	10/07/04	8260b
Ethylbenzene	61.8	µg/L	1	<1	10/07/04	8260b
m,p-Xylenes	3.36	µg/L	2	>2	10/07/04	8260b
o-Xylene	<1	µg/L	1	<1	10/07/04	8260b
Toluene	<1	µg/L	1	<1	10/07/04	8260b

QUALITY ASSURANCE DATA 1						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶
Volatile organics-8260b/BTEX	---	---	---	---	---	---
Benzene	33.2	µg/L	1	<1	10/07/04	8260b(5030/5035)
Ethylbenzene	61.8	µg/L	1	<1	10/07/04	8260b
m,p-Xylenes	3.36	µg/L	2	>2	10/07/04	8260b
o-Xylene	<1	µg/L	1	<1	10/07/04	8260b
Toluene	<1	µg/L	1	<1	10/07/04	8260b

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Respectfully Submitted,

 Dale Wagner

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Environmental Services Inc.

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LEJ34100404MW6

Report#Lab ID#: 160294
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	100	74-124	---
Toluene-d8	8260b	99.1	89-115	---

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

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

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	8260b(5030/5035)	Data Qual. ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		10/08/04			---	---	---	---	---
Benzene	1940	µg/L	10	<10	10/07/04	8260b			4.5	91.2	92.1	92.6
Ethylbenzene	830	µg/L	10	<10	10/07/04	8260b			0.1	84.9	104.5	102
m,p-Xylenes	622	µg/L	4	<4	10/08/04	8260b			0.4	105.8	103.7	101.2
o-Xylene	943	µg/L	2	<2	10/08/04	8260b			0.6	107.7	105.4	106.7
Toluene	2	µg/L	2	<2	10/08/04	8260b	J	3	106.9	106.9	111.2	

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

Environmental Plus, Inc.

Client: Environmental Plus, Inc.
Attn: Iain Ohness

Project ID: 2002-10286
Sample Name: LEJ34100404MW7

225 W. 22nd Street, Suite A
Austin, TX 78701
(512) 385-5886 • FAX (512) 385-7411

Report#/Lab ID#: 160295
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	100	89-115	---

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

Report #/Lab ID#: 160295 Matrix: water
Client: Environmental Plus, Inc. Attn: Iain Olness
Project ID: 2002-10286
Sample Name: LEJ34100404MW7

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

Comments pertaining to Data Qualifiers and QC data:

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

Notes: _____

AnalySys Inc.

4421 Friedrich Lane, Suite 190, Austin, TX 78744
512-444-5896 FAX: 512-447-4766

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

Chain of Custody Form

APPENDIX B

SOIL BORING LOGS

AND

WELL CONSTRUCTION DIAGRAMS

Log Of Test Borings

(NOTE - Page 1 of 2)



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

Project Number: 2002-10286

Project Name: Junction 34 to Lea

Location: UL L, Sec. 21, T20S, R37E, Lea County, NM

Boring Number: MW-4 Surface Elevation: 3,506'

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
							COARSE ALLUVIUM, Dark Brown, Soft, Fine to Medium-Grained SAND WITH SOME GRAVEL AND TRACE CLAY.
0808	CS	--	Dry	0	SP	5	
0815	CS	--	Dry	0	SP	10	
0828	CS	--	Dry	50.6	SP	15	
0842	CS	--	Dry	133	SP	20	
0910	CS	--	Da	126	SP	25	Increase in clay content
0930	CS	--	Wet	19.1	SP	30	
0942	CS	--	Wet	0	SP	35	

Log Of Test Borings

(NOTE - Page 2 of 2)



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

Project Number: 2002-10286

Project Name: Junction 34 to Lea

Location: UL L, Sec. 21, T20S, R37E, Lea County, NM

Boring Number: MW-4 Surface Elevation: 3,506'

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
						35	COARSE ALLUVIUM, Yellow Brown, Fine to Coarse-Grained SAND WITH SOME GRAVEL.
0952	CS	--	Wet	0	SP		Caliche present
						40	End of Boring at 37 feet bgs
						45	
						50	
						55	
						60	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level	Drilling Method: HSA 3.5" ID
05/25/04	1210	-	35	-	19.2	Backfill Method: Bentonite Grout
06/03/04	-	-	35	-	19.1	Field Representative: MG



ENVIRONMENTAL PLUS, INC.

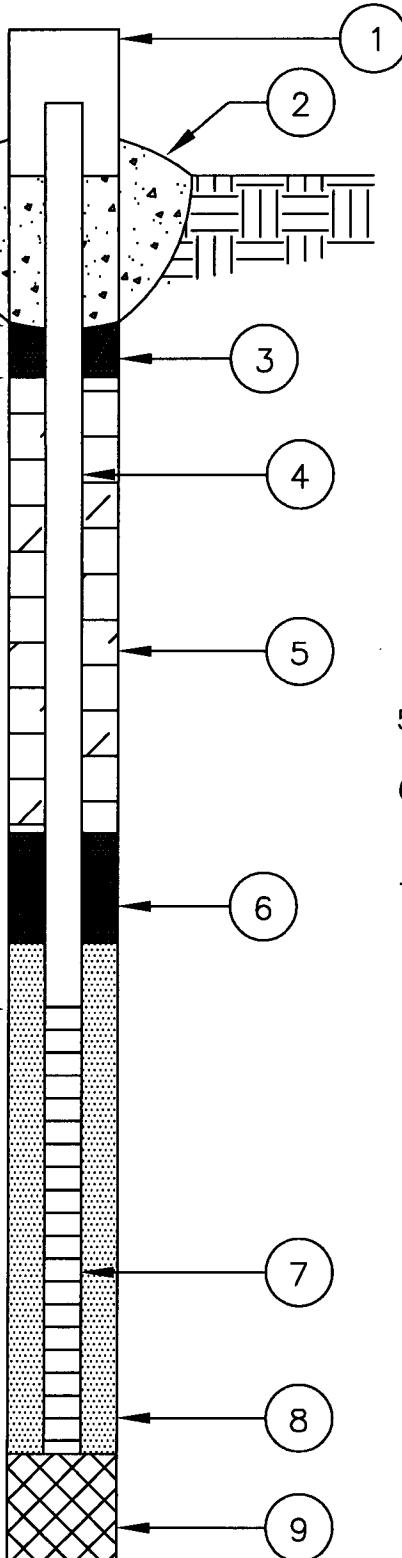
P.O. BOX 1558 -- 2100 AVENUE O
EUNICE, NM 88231
(505) 394-3481Monitoring Well
Construction Information

Standard Well

Job No.: 2002-10286 Job Name: Junction 34 to Lea Boring / Well No. MW-4
Date: 05/21/04 Field Representative: MG State Unique Well No. NAHeight 3.42'T.O.C. Elev. 3,508.01Height 3.17'Depth 2'

Depth _____

Depth _____

Depth 22'Depth 24'Depth 34'Depth 35'

- 1) Protective Casing
Locking
Protective Posts
Concrete Pyramid

<input checked="" type="checkbox"/> Yes	No
- 2) Concrete Seal

<input checked="" type="checkbox"/> Yes	No
---	----
- 3) Type of Surface Seal if Installed Bentonite
- 4) Solid Pipe Type PVC
Solid Pipe Length 25 ft.
Joint Type Slip/Glued or Threaded Threaded
- 5) Type of Backfill Bentonite
- 6) Type of Lower Seal if Installed None
- 7) Screen Type PVC
Screen Length 10 ft.
Slot Size .010"
Length 10 ft.
Screen Diameter 2 in.
- 8) Type of Backfill around Screen #30 Flint Sand
- 9) Type of Backfill Native Soils/Bentonite
- 10) Drilling Method 3 1/4" H.S.A.
- 11) Additives Used if any None
- 12) Borehole Diameter 6.5" O.D. in.

Log Of Test Borings

(NOTE - Page 1 of 2)



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

Project Number: 2002-10286

Project Name: Junction 34 to Lea

Location: UL L, Sec. 21, T20S, R37E, Lea County, NM

Boring Number: MW-5 Surface Elevation: 3,507'

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Start Date: 05/13/04 Time: 0800 hrs
							Finish Date: 05/13/04 Time: 1530 hrs
							Description
							COARSE ALLUVIUM, Dark Brown, Soft, Fine to Medium-Grained SAND WITH SOME GRAVEL AND TRACE CLAY.
						5	
0812	CS	--	Dry	46.8	SP		
						10	
0905	CS	--	Dry	145	SP		
						15	
1000	CS	--	Dry	271	SP		
						20	
1230	CS	--	Da	338	SP		
						25	
1410	CS	--	Wet	125	SP		
						30	
1515	CS	--	Wet	85	SP		
						35	End of Boring at 32 feet bgs

Log Of Test Borings

(NOTE - Page 2 of 2)



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

Project Number: 2002-10286

Project Name: Junction 34 to Lea

Location: UL L, Sec. 21, T20S, R37E, Lea County, NM

Boring Number: MW-5 Surface Elevation: 3,507'

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Start Date: 05/13/04 Time: 0800 hrs	
							Finish Date: 05/13/04 Time: 1530 hrs	
							Description	
						35		
						40		
						45		
						50		
						55		
						60		

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level	Drilling Method: HSA 3.5" ID
05/20/04	-	-	30	-	20.2	Backfill Method: Bentonite Grout
05/25/04	-	-	30	-	20.1	Field Representative: MG

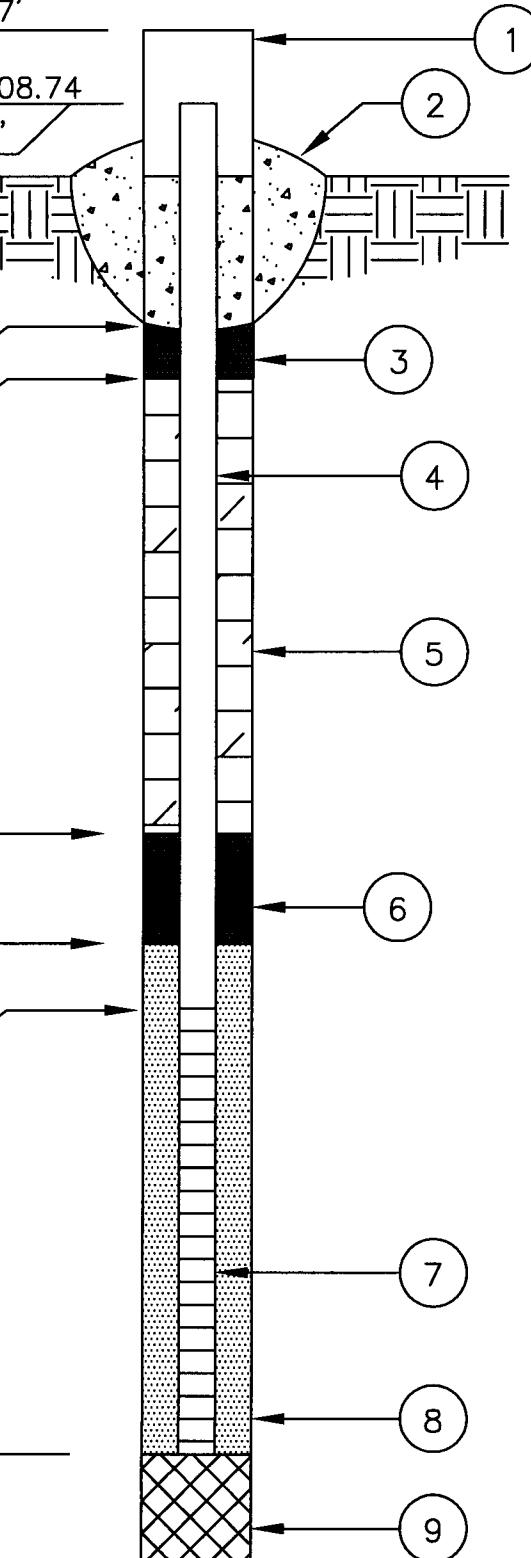


ENVIRONMENTAL PLUS, INC.

P.O. BOX 1558 -- 2100 AVENUE O
EUNICE, NM 88231
(505) 394-3481Monitoring Well
Construction Information
Standard WellJob No.: 2002-10286 Job Name: Junction 34 to Lea Boring / Well No. MW-5
Date: 05/13/04 Field Representative: MG State Unique Well No. NAHeight 3.57'T.O.C. Elev. 3,508.74Height 3.32'Depth 2'

Depth _____

Depth _____

Depth 17'Depth 19'Depth 29'Depth 30'

- 1) Protective Casing
Locking
Protective Posts
Concrete Pyramid

Yes	No

- 2) Concrete Seal Yes No

- 3) Type of Surface Seal if Installed Bentonite

- 4) Solid Pipe Type PVC

Solid Pipe Length 20 ft.

Joint Type Slip/Glued or Threaded

- 5) Type of Backfill Bentonite

- 6) Type of Lower Seal if Installed None

- 7) Screen Type PVC
Screen Length 10 ft.

Slot Size .010"
Length 10 ft.

Screen Diameter 2 in.

- 8) Type of Backfill around Screen #30 Flint Sand

- 9) Type of Backfill Native Soils/Bentonite

- 10) Drilling Method 3 1/4" H.S.A.

- 11) Additives Used if any None

- 12) Borehole Diameter 6.5" O.D. in.

Log Of Test Borings

(NOTE - Page 1 of 2)



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

Project Number: 2002-10286

Project Name: Junction 34 to Lea

Location: UL L, Sec. 21, T20S, R37E, Lea County, NM

Boring Number: MW-6 Surface Elevation: 3,506'

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
							COARSE ALLUVIUM, Dark Brown, Soft, Fine to Medium-Grained SAND WITH SOME GRAVEL AND TRACE CLAY.
0730	CS	--	Dry	0	SP	5	
0800	CS	--	Dry	0	SP	10	
0915	CS	--	Dry	0	SP	15	
1000	CS	--	Dry	0	SP	20	
1125	CS	--	Da	--	SP	25	
1240	CS	--	Wet	--	SP	30	Increase in clay content
1330	CS	--	Wet	--	SP	35	

Log Of Test Borings

(NOTE - Page 2 of 2)



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

Project Number: 2002-10286

Project Name: Junction 34 to Lea

Location: UL L, Sec. 21, T20S, R37E, Lea County, NM

Boring Number: MW-6 Surface Elevation: 3,506'

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
						35	COARSE ALLUVIUM, Dark Brown, Soft, Fine to Medium-Grained SAND WITH SOME GRAVEL AND TRACE CLAY.
1415	CS	--	Wet	--	SP	37	End of Boring at 37 feet bgs
						40	
						45	
						50	
						55	
						60	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
05/20/04	-	-	35	-	22.0
05/25/04	1450	-	35	-	21.9

Drilling Method: HSA 3.5" ID

Backfill Method: Installed Groundwater Monitoring Well MW-6

Field Representative: MG

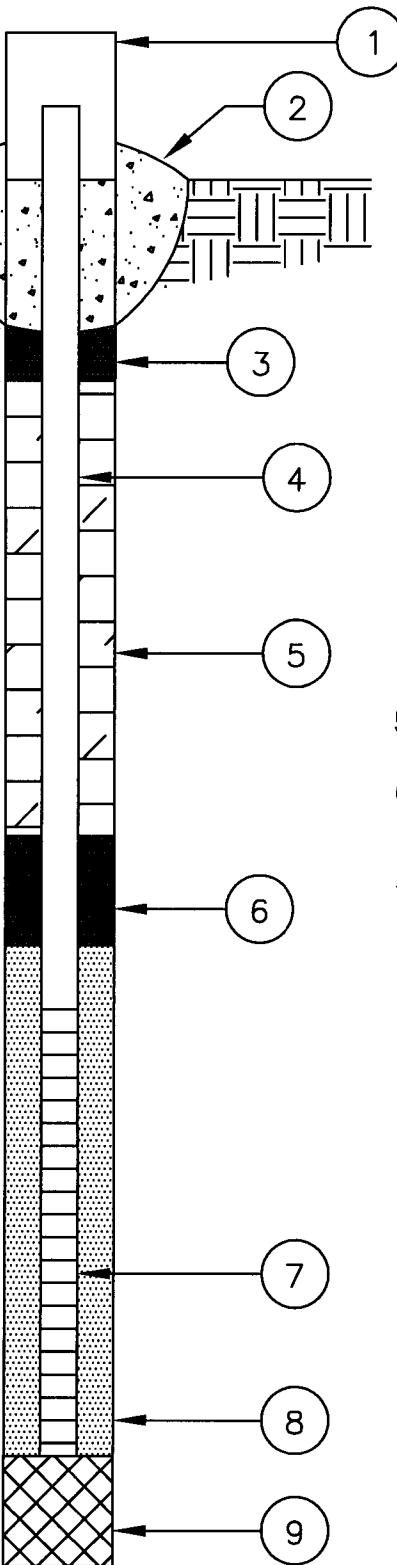


ENVIRONMENTAL PLUS, INC.

P.O. BOX 1558 -- 2100 AVENUE O
EUNICE, NM 88231
(505) 394-3481Monitoring Well
Construction Information
Standard WellJob No.: 2002-10286 Job Name: Junction 34 to Lea Boring / Well No. MW-6
Date: 05/17/04 Field Representative: MG State Unique Well No. NAHeight 3.19'T.O.C. Elev. 3,509.76'Height 2.94'Depth 2'

Depth _____

Depth _____

Depth 25'Depth 27'Depth 37'Depth 38'

- 1) Protective Casing
Locking
Protective Posts
Concrete Pyramid

Yes	No

- 2) Concrete Seal Yes No

- 3) Type of Surface Seal if Installed Bentonite

- 4) Solid Pipe Type PVC

Solid Pipe Length 25 ft.

Joint Type Slip/Glued or Threaded

- 5) Type of Backfill Bentonite

- 6) Type of Lower Seal if Installed None

- 7) Screen Type PVC
Screen Length 10 ft.

Slot Size .010"

Length 10 ft.

Screen Diameter 2 in.

- 8) Type of Backfill around Screen #30 Flint Sand

- 9) Type of Backfill Native Soils/Bentonite

- 10) Drilling Method 3 1/4" H.S.A.

- 11) Additives Used if any None

- 12) Borehole Diameter 6.5" O.D. in.

Log Of Test Borings

(NOTE - Page 1 of 2)



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

Project Number: 2002-10286

Project Name: Junction 34 to Lea

Location: UL L, Sec. 21, T20S, R37E, Lea County, NM

Boring Number: MW-7 Surface Elevation: 3,504'

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Description
							COARSE ALLUVIUM, Dark Brown, Soft, Fine to Medium-Grained SAND WITH SOME GRAVEL AND TRACE CLAY.
0745	CS	--	Dry	1.3	SP	5	
0830	CS	--	Dry	3.0	SP	10	
0915	CS	--	Dry	1.4	SP	15	
1030	CS	--	Dry	2.7	SP	20	
1125	CS	--	Da	18.4	SP	25	Increase in clay content
1320	CS	--	Wet	24.4	SP	30	
1445	CS	--	Wet	28.7	SP	35	End of Boring at 32 feet bgs

Log Of Test Borings

(NOTE - Page 2 of 2)



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

Project Number: 2002-10286

Project Name: Junction 34 to Lea

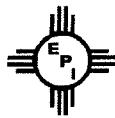
Location: UL L, Sec. 21, T20S, R37E, Lea County, NM

Boring Number: MW-7 Surface Elevation: 3,504'

Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Start Date: 05/13/04 Time: 0730 hrs	
							Finish Date: 05/13/04 Time: 1500 hrs	
							Description	
						35		
						40		
						45		
						50		
						55		
						60		

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level	Drilling Method: HSA 3.5" ID
05/20/04	-	-	30	-	19.4	Backfill Method: Bentonite Grout
05/25/04	-	-	30	-	19.4	Field Representative: MG

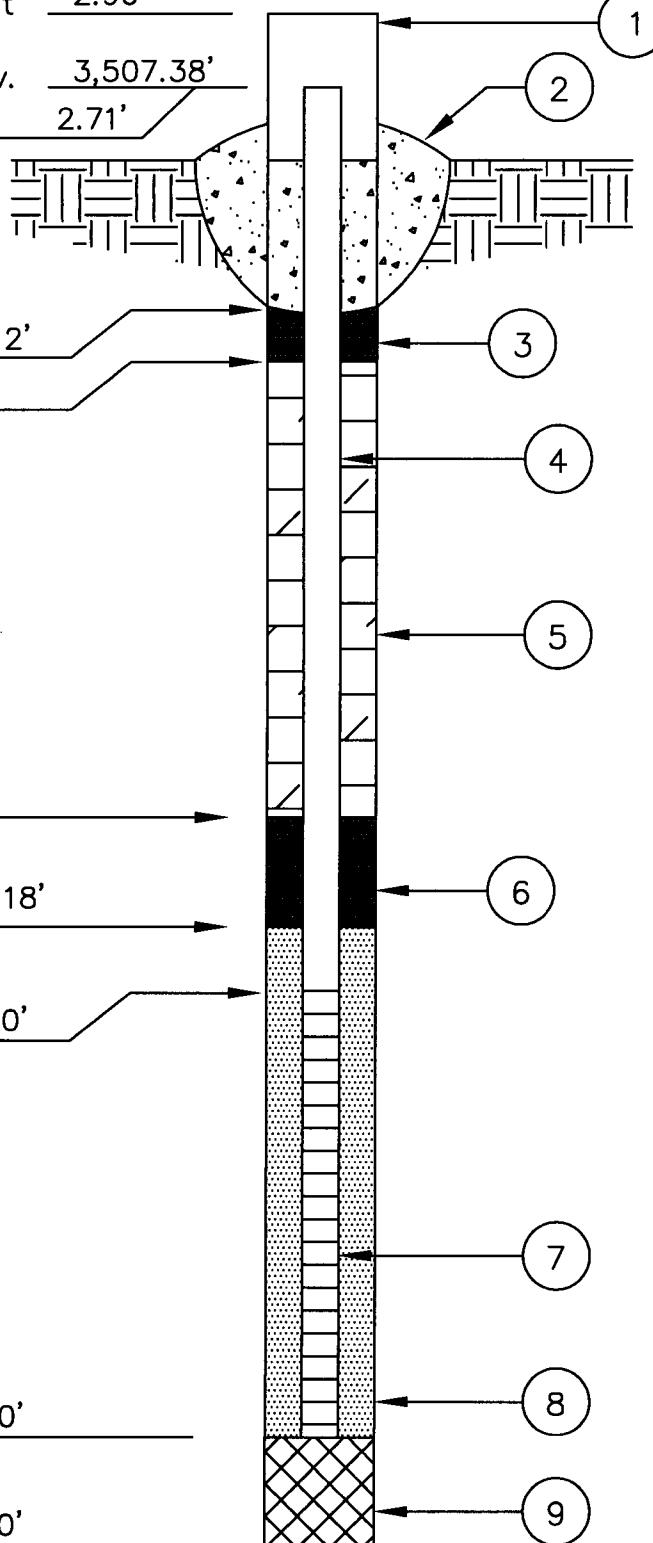


ENVIRONMENTAL PLUS, INC.

P.O. BOX 1558 -- 2100 AVENUE O
EUNICE, NM 88231
(505) 394-3481Monitoring Well
Construction Information
Standard WellJob No.: 2002-10286 Job Name: Junction 34 to Lea Boring / Well No. MW-7
Date: 05/14/04 Field Representative: MG State Unique Well No. NAHeight 2.96'T.O.C. Elev. 3,507.38'Height 2.71'Depth 2'

Depth _____

Depth _____

Depth 18'Depth 20'Depth 30'Depth 30'

- 1) Protective Casing
Locking
Protective Posts
Concrete Pyramid

Yes	No

- 2) Concrete Seal

Yes	No
-----	----

- 3) Type of Surface Seal if
Installed Bentonite

- 4) Solid Pipe Type PVC

Solid Pipe Length 20 ft.Joint Type Slip/Glued or
Threaded

- 5) Type of Backfill Bentonite

- 6) Type of Lower Seal if
Installed None

- 7) Screen Type PVC
Screen Length 10 ft.

Slot Size .010"Length 10 ft.Screen Diameter 2 in.

- 8) Type of Backfill around
Screen #30 Flint Sand

- 9) Type of Backfill Native Soils/Bentonite

- 10) Drilling Method 3 1/4" H.S.A.

- 11) Additives Used if any None

- 12) Borehole Diameter 6.5" O.D. in.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

October 14, 2004

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

1R-38^b

Dear Mr. Dann:

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

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

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

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin
Environmental Bureau

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

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

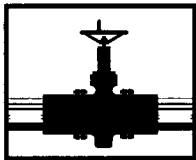
Sincerely,



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

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

File: c/jeff-files/OCD-DrillingSchOct2004



PLAINS

MARKETING, L.P.

September 20, 2004

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

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

Dear Mr. Martin:

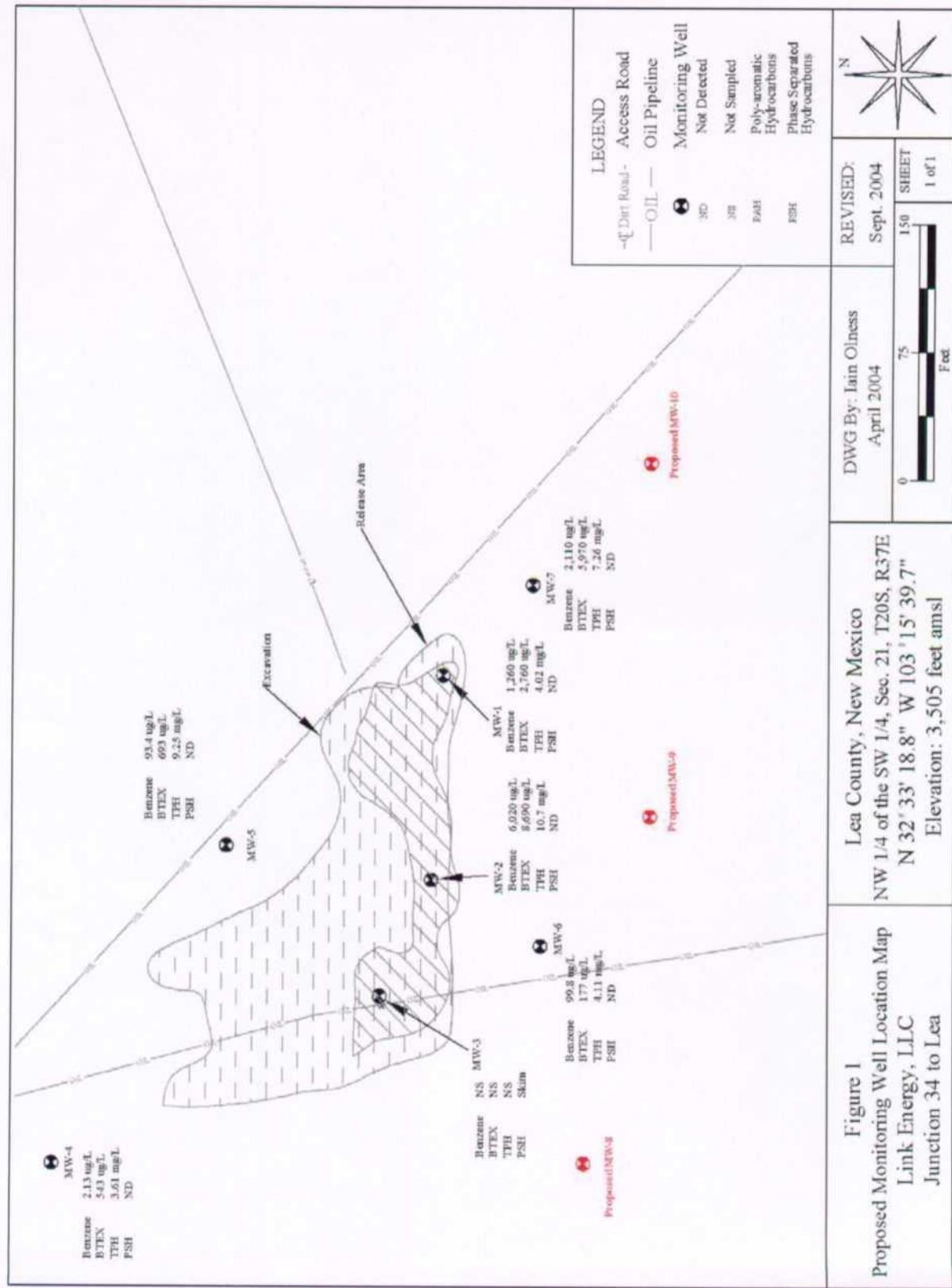
Based on the results of our ongoing groundwater monitoring and sampling program at several of our remediation and groundwater monitoring sites in Lea County, we have identified the need for additional groundwater monitor and/or recovery wells at the flowing sites.

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

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

Plains Marketing GP Inc., General Partner

333 Clay Street, Suite 1600 (77002) ■ P.O. Box 4648 ■ Houston, Texas 77210-4648 ■ 713/646-4100





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STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

April 5, 2004

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

Subject: Preliminary 2003 Ground water monitoring summary

Re: Link Energy Junction JCT 34 Line to Lea #2002-10286
UL-L Section 21 T20S R37E
Lea County New Mexico
Landowner: Millard Deck Estate

LR-0386

Dear Mr. Martin,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, Link Energy, submits for your consideration this *Preliminary 2003 Ground Water Monitoring Report* for the Link Energy Junction JCT 34 Line to Lea #2002-10286 remediation site. The information included in this submittal provides water and product levels, an analytical results summary, and an annotated map of the site. The soil has been delineated and is being remediated and phase separated hydrocarbon (PSH) is being recovered.

If there are any questions or comments please call Mr. Ben Miller or myself at office, or at 505-390-2088 or 505-390-7864, respectively. Mr. Hernandez may be contacted through Link's Midland office at 915-638-3799 or 505-631-3095.

All official correspondence should be addressed to:

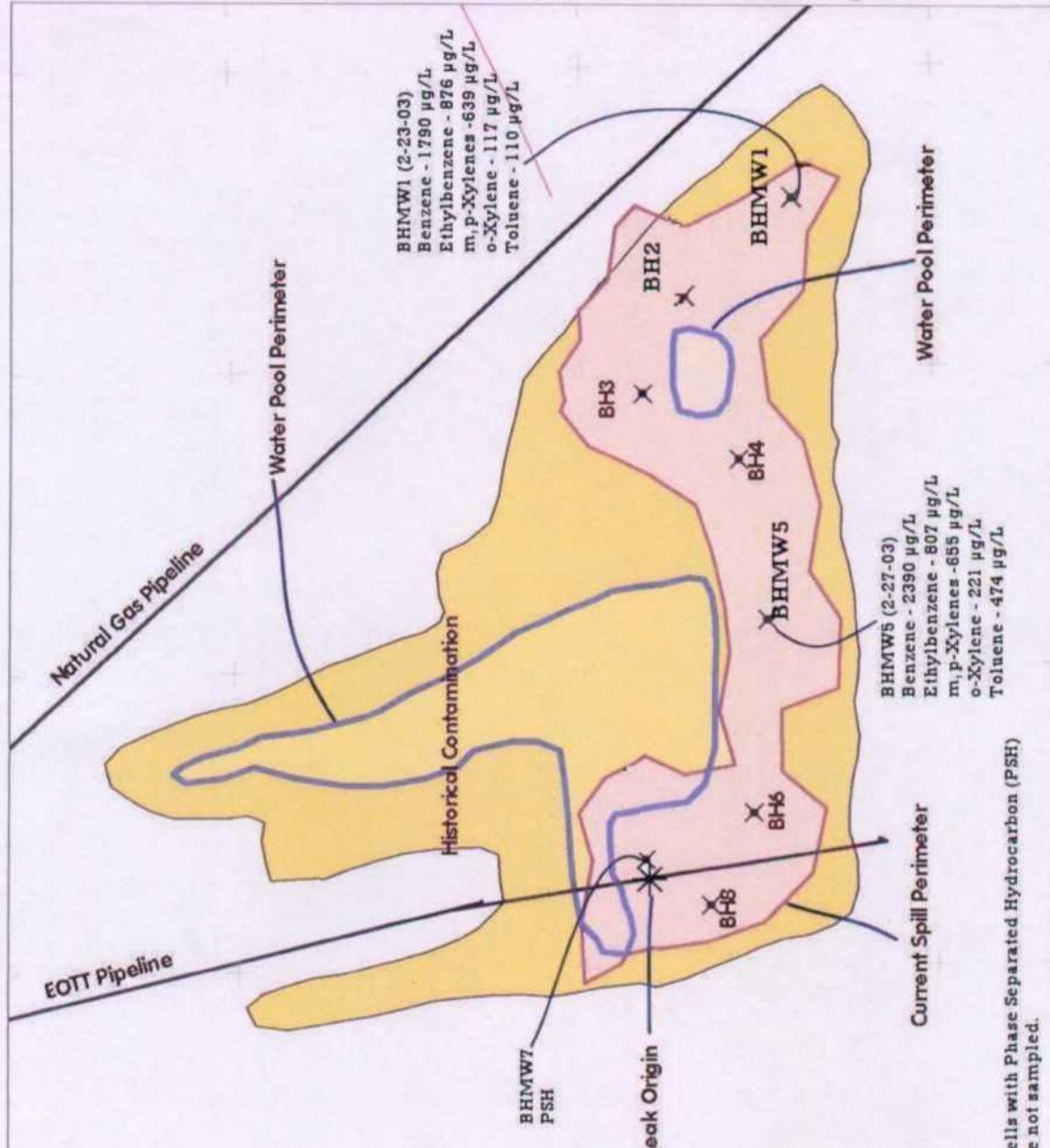
Mr. Frank Hernandez
Link Energy
P.O. Box 1660
5805 East Highway 80
Midland, Texas 79703

Sincerely,

Pat McCasland
EPI Technical Manager

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

EOTT ENERGY
JUNCTION 34 TO
LEA
#2002-10286
UL-L SEC 21
T20S R37E
EXCAVATION
 $\sim 28,297$ SQFT
SPILL AREA
 $\sim 10,118$ SQFT
WATER POOL
 $\sim 5,497$ SQFT





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mr. Frank Hernandez
Link Energy
P.O. Box 1660
Midland, TX 79703

June 11, 2004

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Dear Mr. Hernandez:

Re: NMOCD 1R-0386

The annual monitoring report on the Link Energy **Junction 34 to Lea** (#2002-10286), submitted on your behalf by Environmental Plus, Inc. has been received by the NMOCD.

The following recommendations noted in the report are hereby approved:

1. Continue to collect PSH on a semi-monthly basis.
2. Collect groundwater level data from the monitoring well network on a semi-monthly basis.
3. Conduct quarterly sampling activities of the groundwater monitoring well network and submit the samples for quantification of BTEX.
4. Analyze the next quarterly samples for the presence of poly-aromatic hydrocarbons (PAH), total petroleum hydrocarbons as gasoline (TPH-gasoline), total petroleum hydrocarbons as diesel (TPH-diesel) and chlorides. This data will be used to establish baseline concentrations at the site.

Implementation of the Groundwater and Soil Remediation Proposal (dated June 2003) for this site is also approved with the conditions imposed on that proposal in NMOCD's approval letter dated June 13, 2003.

This OCD approval does not relieve Link of responsibility if the proposed workplan fails to adequately remediate contamination related to Link's activities. This approval also does not relieve Link of its responsibility for compliance with any other federal, state, or local laws and regulations.

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin
Environmental Bureau

Cc: Larry W. Johnson, NMOCD, Hobbs, NM
Iain Olness, EPI, Eunice, NM
Jeff Dann, Link Energy, Houston, TX



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STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

May 10, 2004

RECEIVED

Mr. Ed Martin

NM Energy, Minerals, and Natural Resources Department
New Mexico Oil Conservation Division – Environmental Bureau MAY 13 2004
1220 South St. Francis Drive
Santa Fe, NM 87505

OIL CONSERVATION
DIVISION

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

Re: C.S. Cayler #2002-10250, UL-B Section 6 T17S R37E
Hugh Gathering #2002-10235, UL-P Section 11 T21S R37E
Hobbs Junction Mainline #2003-00017, UL-M Sections 26 and 35 T18S R37E
Junction 34 to Lea #2002-10286, UL-L Section 21 T20S R37E
Kimbrough Sweet #2002-10757, UL-E Section 3 T18S R37E
Livingston Line Bob McCasland #2001-11043, UL-K Section 3 T21S R37E

Dear Mr. Martin,

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

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

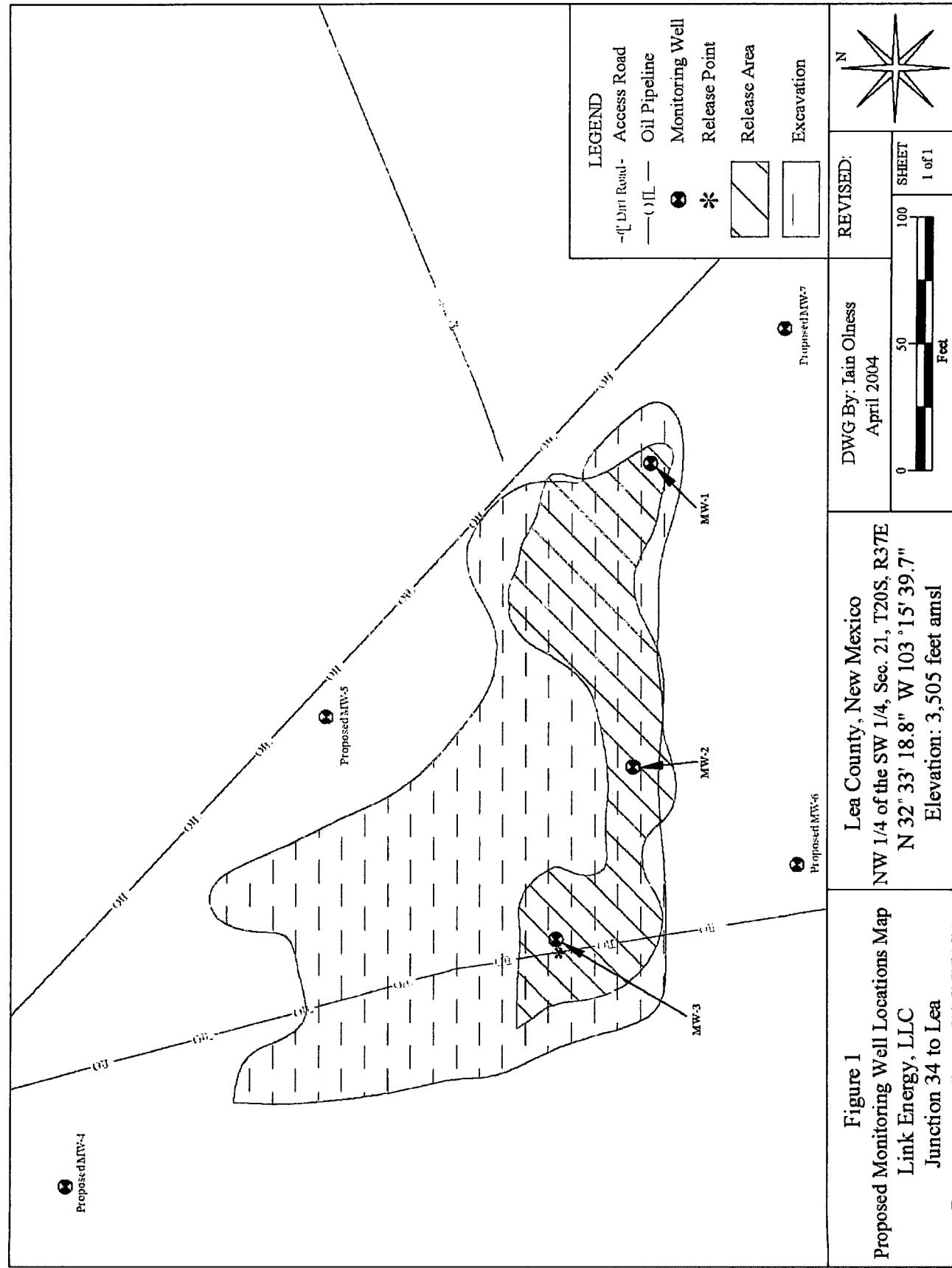
All official correspondence should be addressed to:

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

Sincerely,

Pat McCasland
EPI Technical Manager

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





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STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

30 April 2004

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

Re: Annual Monitoring Report Link Energy Junction 34 to Lea #2002-10286
UL-L Section 21 T20S R37E, Lea County, New Mexico
Land Owner: Deck Estate

Dear Mr. Martin,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, Link Energy, submits for your consideration this *Annual Monitoring Report* for the above-referenced site. Based on data collected during the past year, Link Energy recommends that the groundwater monitoring well network continue to be monitored on a semi-monthly basis for the collection of phase separated hydrocarbons (PSH) and it be sampled on a quarterly basis. In addition, Link Energy is recommending that the approved *Groundwater and Soil Remediation Proposal* (dated June 2003) be implemented.

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

All official correspondence should be addressed to:

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

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain Olness, P.G.
Hydrogeologist

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

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

ENVIRONMENTAL PLUS, INC.