GW - 351

MONITORING REPORTS

DATE: 2005-2004



2005 ANNUAL MONITORING REPORT

PLAINS PIPELINE, L.P.

LEA STATION **PLAINS REF: 2003-00339**

(COMPANY # 231735)

Entere regarder Nw¹/₄ of Section 28 T20S R37E ~9.5 MILES NORTH-NORTHWEST (313°) OF **EUNICE, LEA COUNTY, NEW MEXICO**

LATITUDE: N32° 32' 51.3"

LONGITUDE: W103° 15' 37.0"

MARCH 2006

PREPARED BY:

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Standard of Care

Annual Monitoring Report

Lea Station Ref. # 2003-00339

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.

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I. Background

Lea Station is located approximately 9 miles north-northwest of Eunice in Lea County, New Mexico, at an elevation of approximately 3,495 feet above mean sea level (reference *Figures 1* and 2). The site is located in the Monument-Jal Oil Field and is utilized as a crude oil pipeline pumping station. There are no residences or surface water bodies within a 1,000-foot radius of the facility. The facility is surrounded by a barbed wire fence and has a locked gate (reference *Figure 3*).

In 1992, Shell Pipeline Corporation (SPLC) retained CURA to establish baseline conditions of the subsurface environment at the site. In December 1992, 12 soil borings were advanced around the site and seven groundwater monitoring wells were installed. Analytical results for soil samples collected during this phase of the investigation identified two general areas, west and east area, as hydrocarbon-impacted, evidenced by elevated total petroleum hydrocarbon (TPH) concentrations in soils (>100 parts per million (ppm) TPH). Analytical results for groundwater samples collected during this phase of the investigation indicated dissolved phase hydrocarbon contaminants present in five of the seven groundwater samples.

Based on these results, four additional soil borings were advanced and four additional groundwater monitoring wells were installed in September 1993. Results of this and previous phases of the investigation indicated three hydrocarbon-impacted areas present on the site, one in the eastern portion, one in the north-central portion and one in the western portion. In addition, phase separated hydrocarbons (PSH) were detected in groundwater monitoring well MW-8. Due to the presence of PSH and the extent of hydrocarbon-impacted soil and groundwater, CURA recommended that feasibility testing be completed to evaluate soil and groundwater remedial methods for potential implementation at the site.

In September 1994, CURA submitted a *Remediation Plan* to SPLC. The plan consisted of a soil vapor extraction (SVE) and product-only pumping system in the vicinity of groundwater monitoring well MW-8. The *Remediation Plan* included the installation of two recovery wells (RW-1 and RW-2), installation of two PSH only pump/air extraction units (one unit each in RW-1 and RW-2), regulatory notification of air emissions, final installation of the system, performance monitoring, operations and maintenance activities and reporting.

In February 1995, a remediation system consisting of SVE with product-only pumping was installed at the west end of the site. The system was designed with high vacuum levels at the wellheads in an effort to induce oil flow towards the wells, as observed during the pilot testing. Recovery of PSH occurred from 1994 to 2003. Currently no PSH is present in this area and the SVE system has been turned off.

Enercon Services, Inc. performed sampling and monitoring for SPLC until Link Energy, LLC inherited the site from SPLC in December 2003. Link Energy assets were acquired by Plains All American Pipeline in April 2004. Environmental Plus, Inc. has conducted sampling and monitoring of the site from December 2003 to present.

An Annual Monitoring Report was submitted to the NMOCD in January 2005 documenting the results of the quarterly gauging, PSH recovery efforts and sampling of the groundwater monitoring well network during 2004. Between December 18, 2003 and December 17, 2004



groundwater levels have risen approximately 2.25 feet. Approximately 34 gallons of PSH were recovered from the groundwater monitoring wells during 2004.

II. Field Activities

Site visits were made on January 7, February 21, April 22, October 5 and November 18, 2005 to recover PSH from the impacted groundwater monitoring wells (i.e., MW-1, MW-2, MW-3 and MW-11). In addition, groundwater monitoring wells were gauged to determine the depth to PSH (if present) and groundwater.

Site visits were made on March 29, May 23, August 16 and November 18, 2005 to complete the aforementioned activities and to collect groundwater samples for laboratory analyses.

III. Groundwater Gradient and PSH Thickness

Monitoring wells were gauged prior to purging to determine the depth to groundwater and the thickness of any PSH. Except for minor fluctuations, groundwater levels have risen, on the average, 0.60 feet throughout the year (reference Figures 17 through 20). PSH were not detected in any of the groundwater monitoring wells during the past year, with the exception of a skim of oil during the May 23, 2005 gauging of monitor well MW-2. A summary of groundwater elevations and PSH thickness is included in Table 1.

Based on data collected during the four sampling events, groundwater is flowing to the southeast (reference *Figures 21, 23, 25* and 27) and is consistent with historical data.

IV. PSH Recovery

Absorbent booms and hand bailing accomplish recovery of PSH on-site. Approximately 260 gallons of PSH have been recovered to date. Between December 18, 2003 and December 17, 2004, approximately 34 gallons were recovered by manual means. A total of five wells had PSH present on the water column in the well at the beginning of 2004. No PSH were detected in any of the groundwater monitoring wells during 2005 with the exception of a skim of oil detected on groundwater monitor well MW-2 on May 23, 2005. A summary of PSH recovery is presented in Table 1.

V. Groundwater Sampling

Groundwater monitoring wells are sampled on a quarterly basis until such time that analytical results indicate contaminant concentrations are below the New Mexico Water Quality Control Commission (MNWQCC) Groundwater Standards for eight consecutive quarters. The samples are submitted to an independent laboratory for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX) on a quarterly basis and poly-aromatic hydrocarbons (PAH) on an annual basis. Groundwater monitoring wells from which samples have been collected and analytical results indicate contaminants have been below the NMWQCC standards for eight consecutive quarters and are no longer needed to monitor the existing contaminant plume will be requested to be sealed.



Groundwater monitoring wells MW-1, MW-2, MW-3, MW-11 and MW-12 were sampled on March 29, 2005 and the samples submitted for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8260b. In addition, samples collected from groundwater monitoring wells MW-1, MW-2, MW-3, MW-11 and MW-12 were submitted for quantification of poly-aromatic hydrocarbons (PAHs) using EPA Method 8310.

Groundwater monitoring wells MW-1, MW-3, MW-11 and MW-12 were sampled on May 23, 2005 and the samples submitted for quantification of BTEX using EPA Method 8260b.

Groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12 and MW-13 were sampled on August 16, 2005 and the samples submitted for quantification of BTEX using EPA Method 8260b.

Groundwater monitoring wells MW-1, MW-2, MW-3, MW-11, MW-12 were sampled on November 18, 2005 and the samples submitted for quantification of BTEX using EPA Method 8260b.

VI. Groundwater Analytical Results

Analytical results for total PAH concentrations were non-detectable in the sample collected from groundwater monitoring well MW-12. Low concentrations of total PAHs were detected in the samples collected from groundwater monitoring wells MW-1 (10.5 μ g/L), MW-2 (20.8 μ g/L), MW-3 (0.21 μ g/L) and MW-11 (3.93 μ g/L).

A total of four groundwater monitor wells (MW-1, MW-2, MW-3 and MW-11) exhibited benzene and/or BTEX concentrations in excess of New Mexico Water Quality Control Commission (NMWQCC) groundwater standards during the 2005 sampling events. Analytical results indicated benzene concentrations fluctuated during the year, but were lower in the final samples taken in 2005.

Analytical results of samples collected during 2005 from groundwater monitoring well MW-1 indicated benzene concentrations ranging from 0.100 to 0.283 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L. Analytical results of samples collected during 2005 from groundwater monitoring well MW-2 indicated benzene concentrations ranging from 0.341 to 0.422 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L.

Analytical results of samples collected March 29, 2005 from groundwater monitoring well MW-3 indicated a benzene concentration of 0.962 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L. The samples collected on May 23, 2005 indicated a benzene concentration of 0.007 mg/L, below the NMWQCC groundwater standard of 0.01 mg/L. Groundwater samples collected August 16 and November 18, 2005 indicated benzene concentrations ranged from 0.028 to 0.013 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L.

Analytical results for groundwater monitor well MW-11 indicated benzene concentrations ranging from 0.065 to 5.12 mg/L, in excess of the NMWQCC groundwater standard of 0.01 mg/L. Additionally, ethylbenzene and total xylene concentrations in the May 23, 2005 sampling



event and ethylbenzene concentration in the August 16, 2005 sampling event were in excess of the NMWQCC groundwater standards.

Analytical results from the remaining groundwater monitoring wells (MW-4, MW-7, MW-8, MW-9, MW-10, MW-12 and MW-13) indicated benzene concentrations were non-detectable (ND) at or above laboratory MDL. Reported BTEX concentrations ranged from ND to 0.002 mg/L.

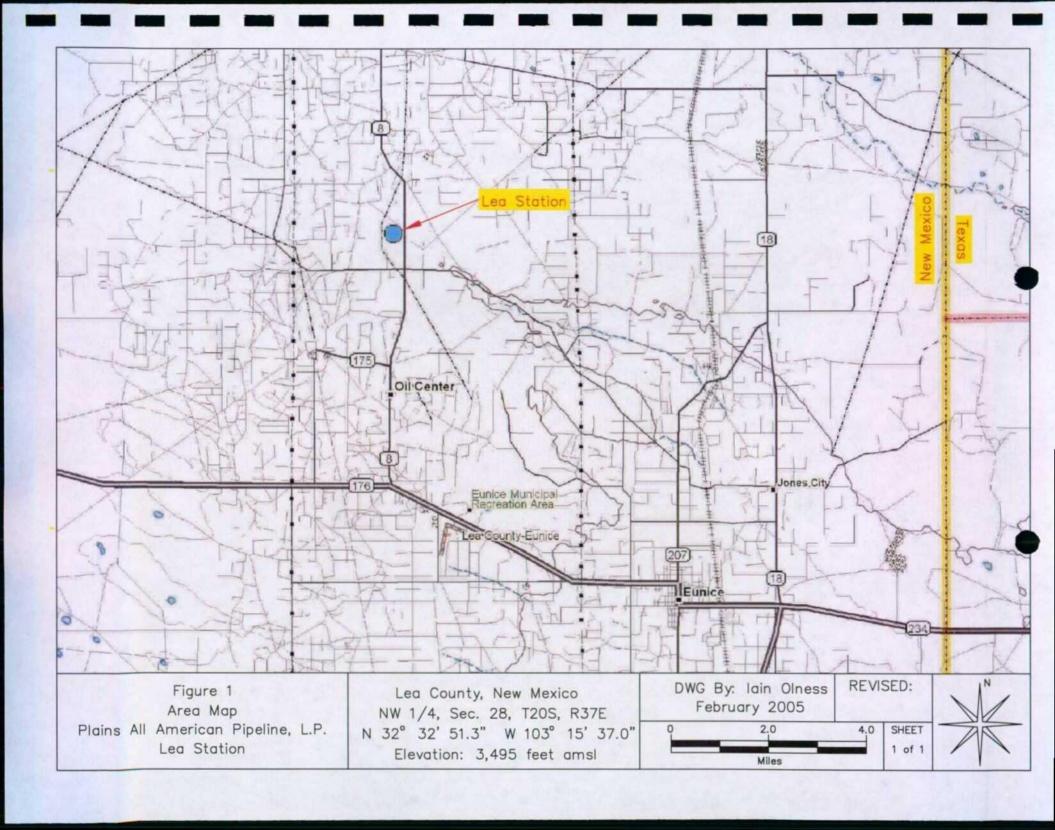
A summary of groundwater analytical results is included as Table 2 and Table 3 and copies of the analytical results are included as Appendix A.

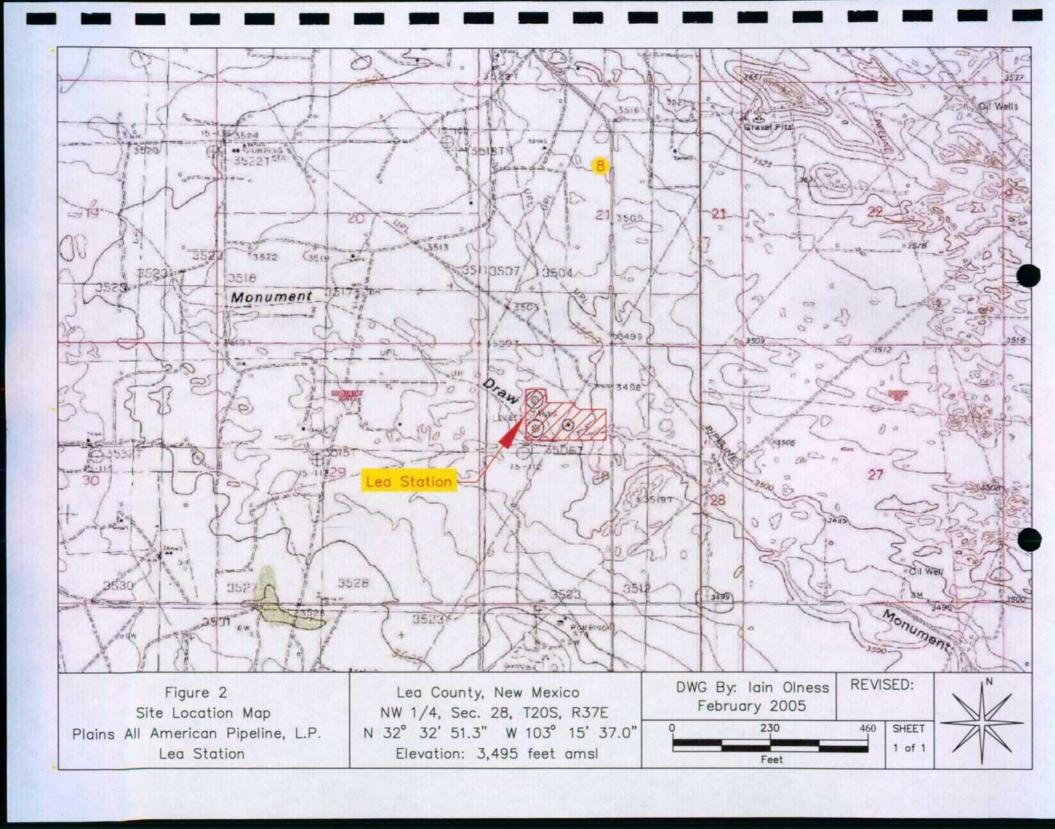
VII. Recommendations

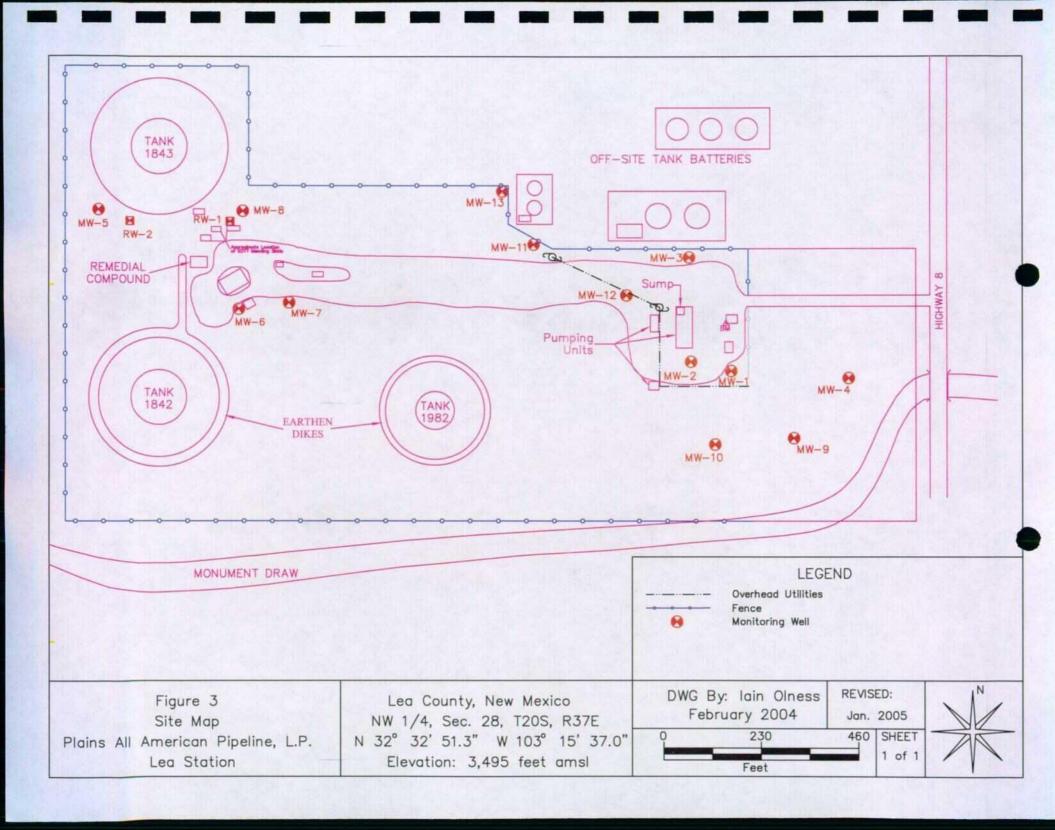
Based on field monitoring and analytical results collected during the past year and analyzed in conjunction with data collected during the past eight years, the following changes are recommended in the sampling protocol and summarized in Table 4:

- 1) Gauge all groundwater monitoring wells for water levels and the presence of PSH on a monthly basis.
- 2) Sample groundwater monitoring wells MW-1, MW-2, MW-3, MW-11 and MW-12 on a quarterly basis and submit the samples for quantification of BTEX. The samples should be analyzed annually for the presence of PAHs. In the event PSHs are detected during a sampling event in any of the groundwater monitoring wells, these wells will not be included in the quarterly sampling event.
- 3) Sample groundwater monitoring wells MW-4, MW-7, MW-8, MW-9, MW-10, and MW-13 on an annual basis and submit the samples for quantification of BTEX. Should analytical results indicate the presence of contaminants, the impacted well should be sampled on a quarterly basis and the samples submitted for quantification of BTEX and annually for PAH.
- 4) Plug and abandon groundwater monitoring wells MW-5 and MW-6.

FIGURES







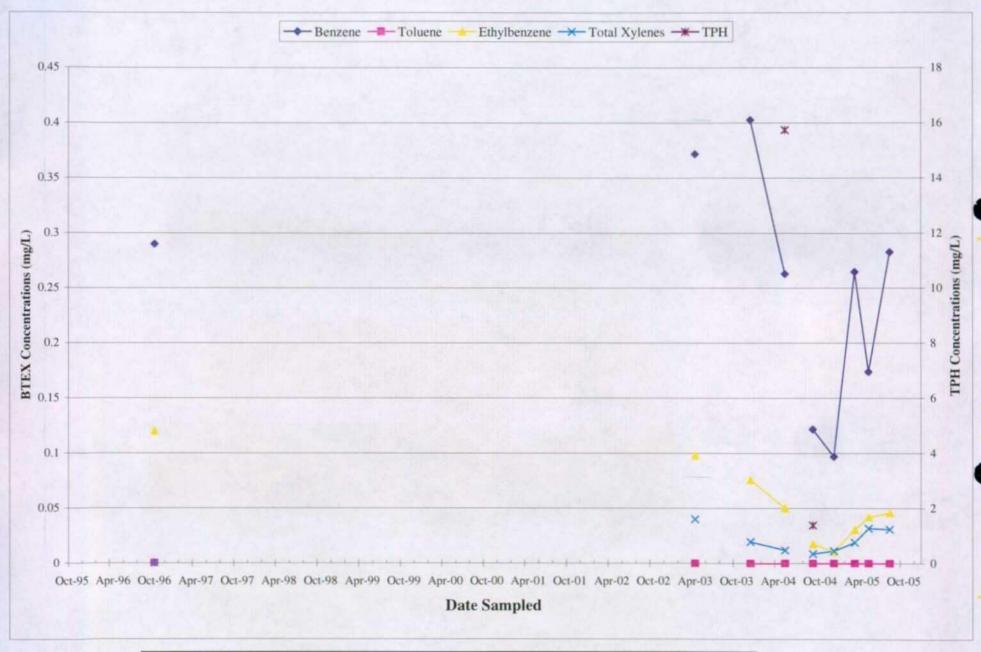


Figure 4: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-1, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/05.



Figure 5: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-2, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/05.

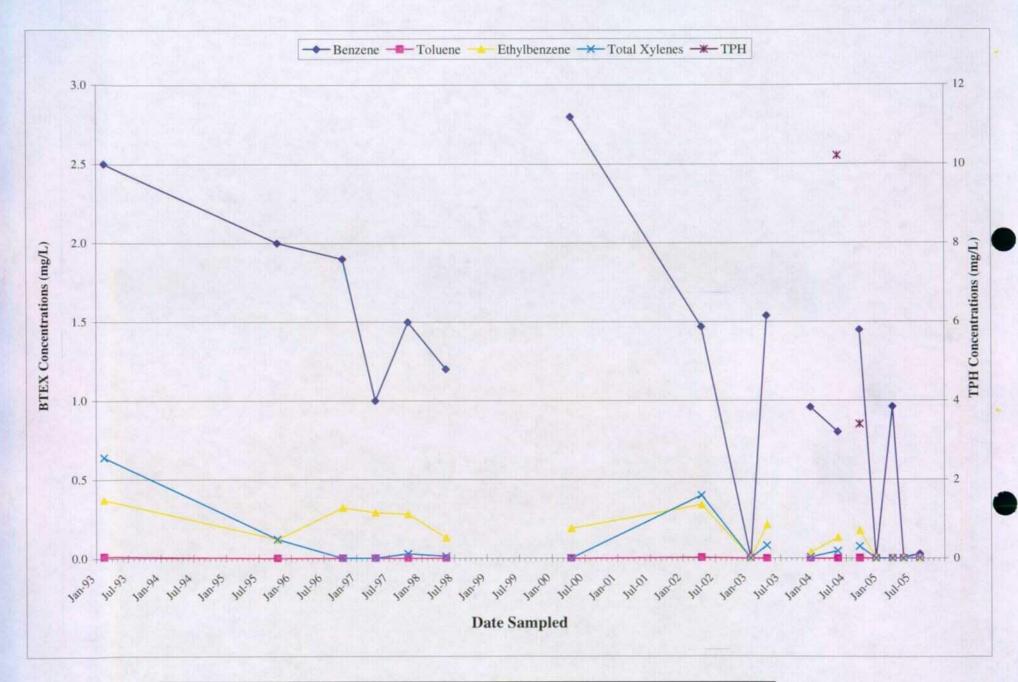


Figure 6: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-3, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/05.

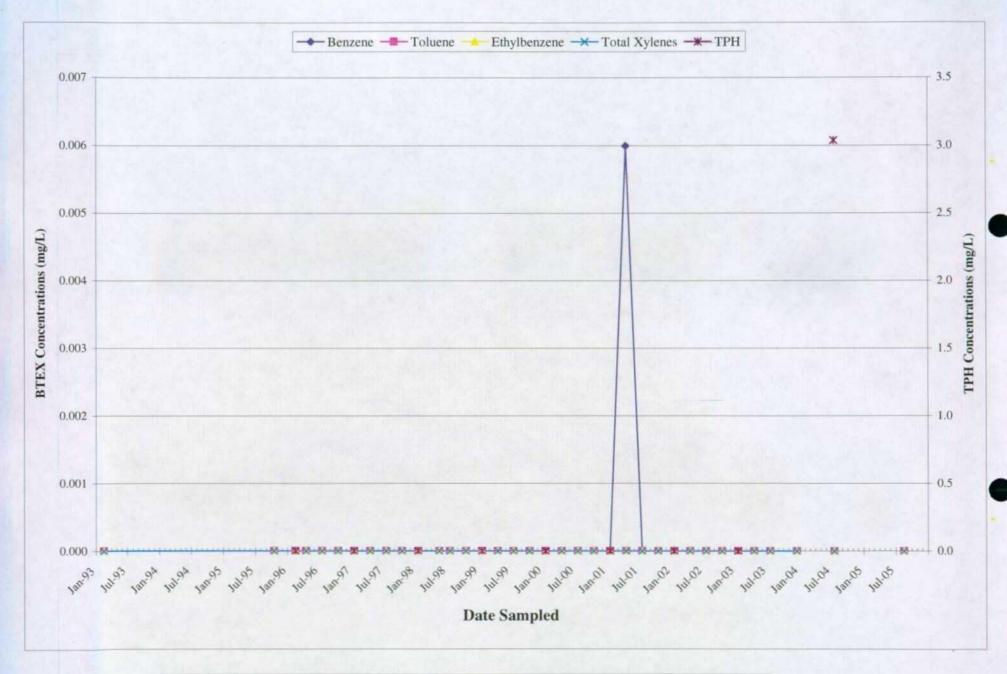


Figure 7: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-4, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/05.

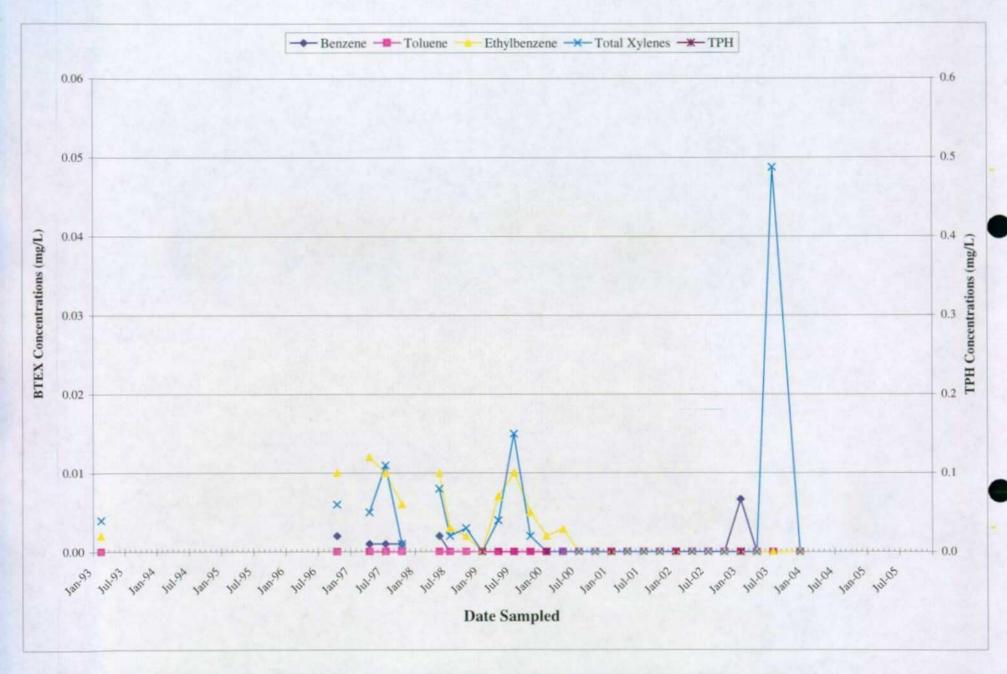


Figure 8: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-5, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/05.

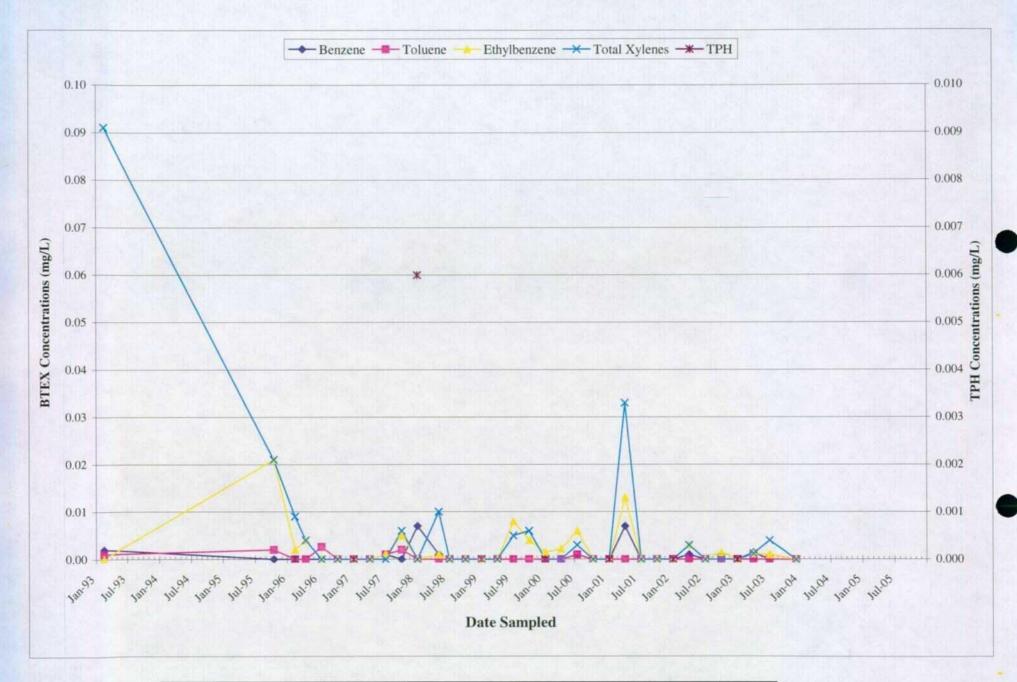


Figure 9: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-6, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/05.

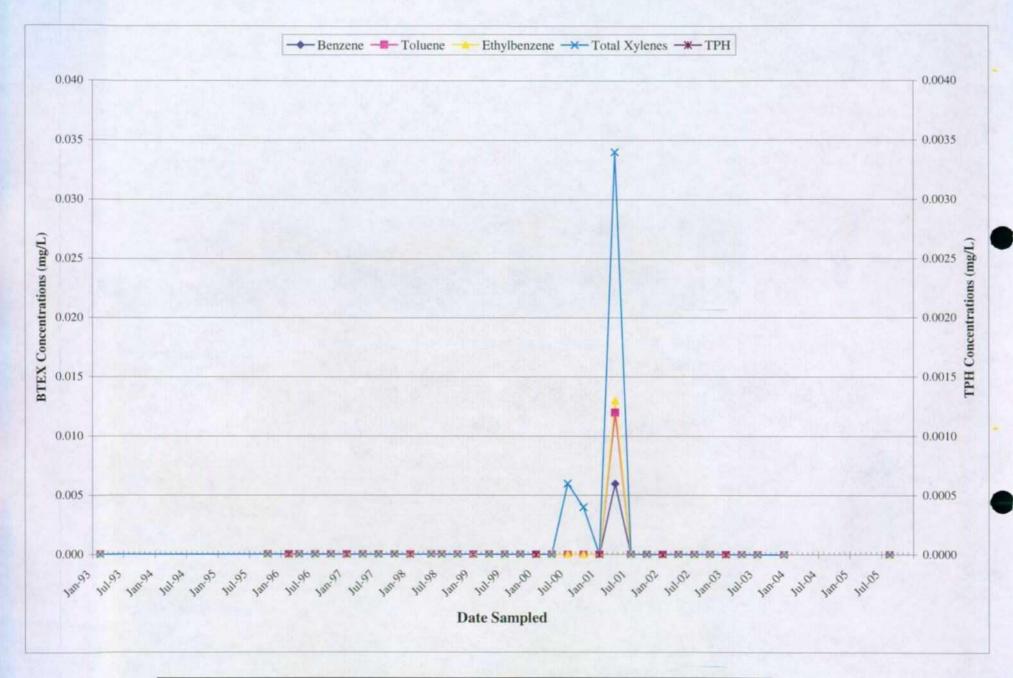


Figure 10: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-7, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/05.

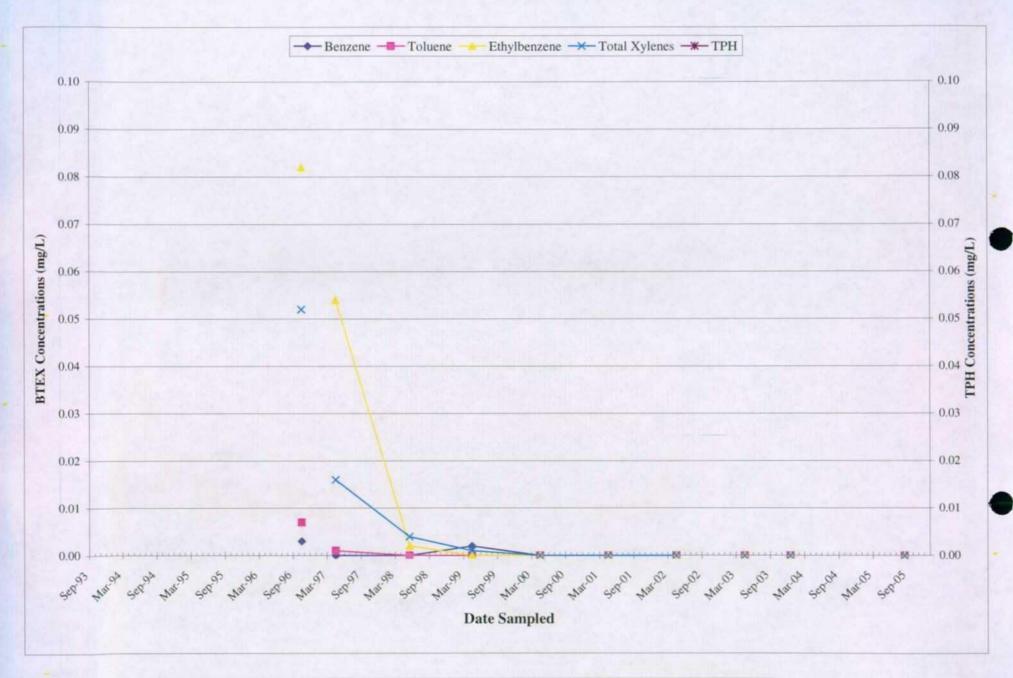


Figure 11: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-8, Plains All American Pipeline Lea Station, Lea County New Mexico, from 09/30/93 through 12/31/05.

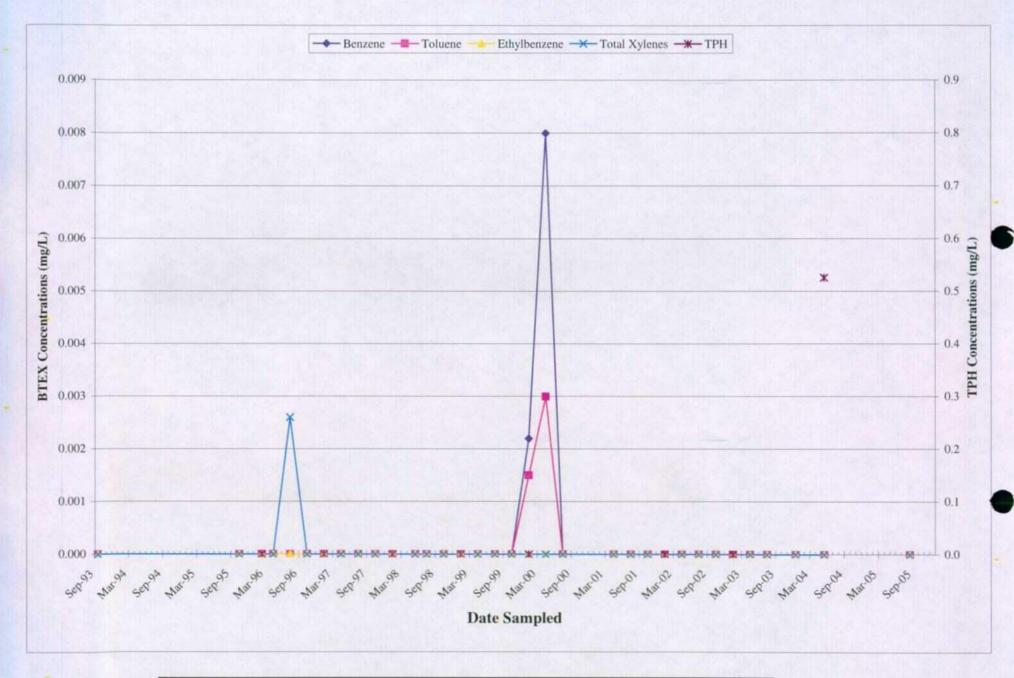


Figure 12: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-9, Plains All American Pipeline Lea Station, Lea County New Mexico, from 09/30/93 through 12/31/05.

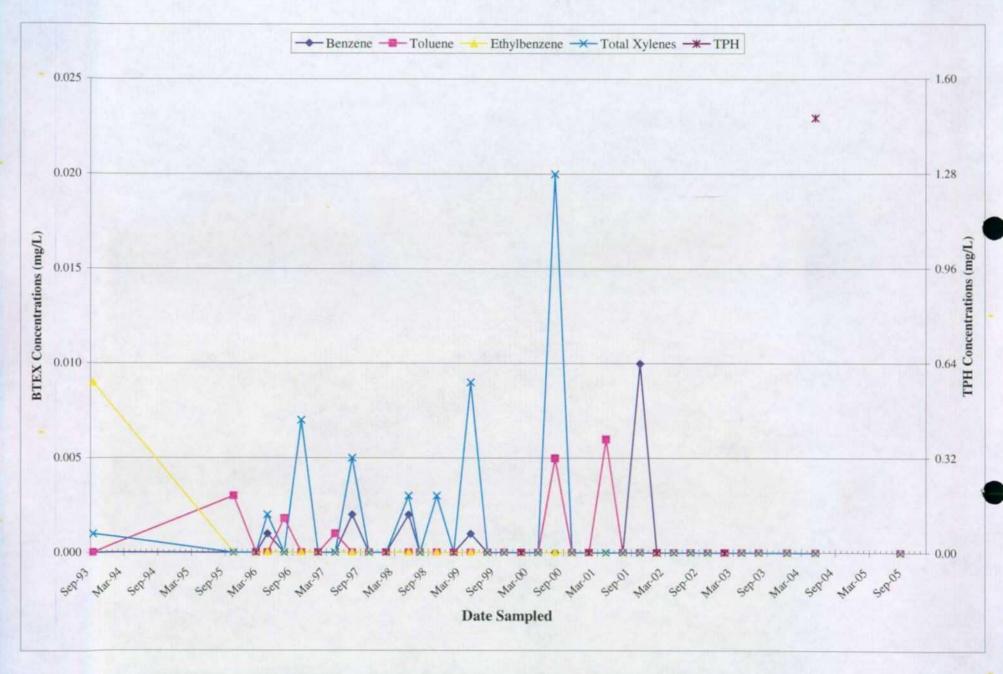


Figure 13: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-10, Plains All American Pipeline Lea Station, Lea County New Mexico, from 09/30/93 through 12/31/05.

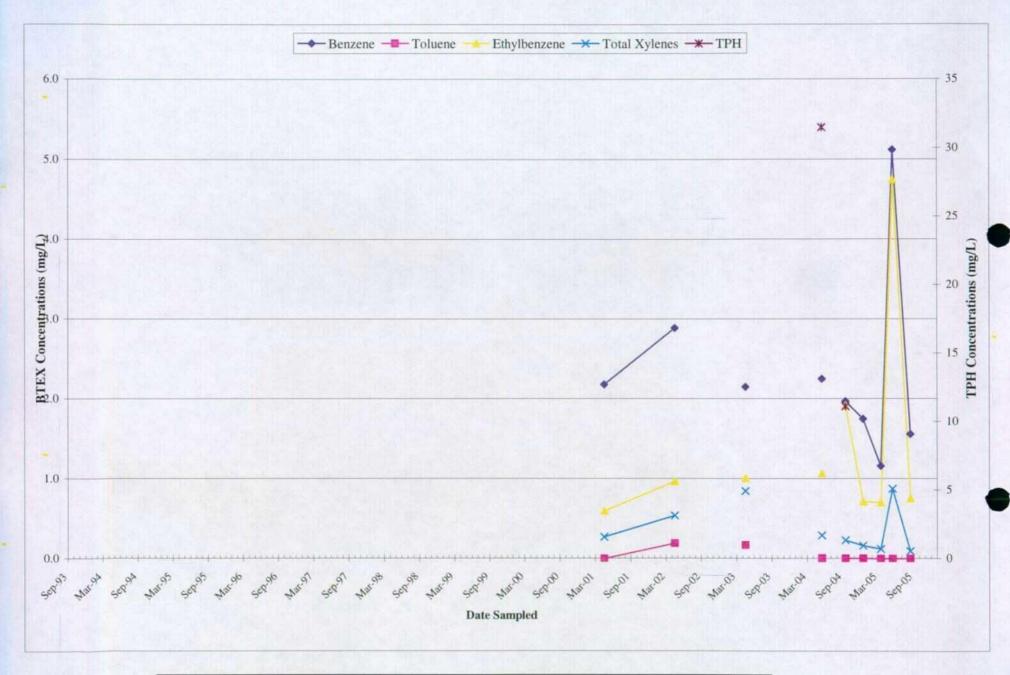


Figure 14: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-11, Plains All American Pipeline Lea Station, Lea County New Mexico, from 09/30/93 through 12/31/05.

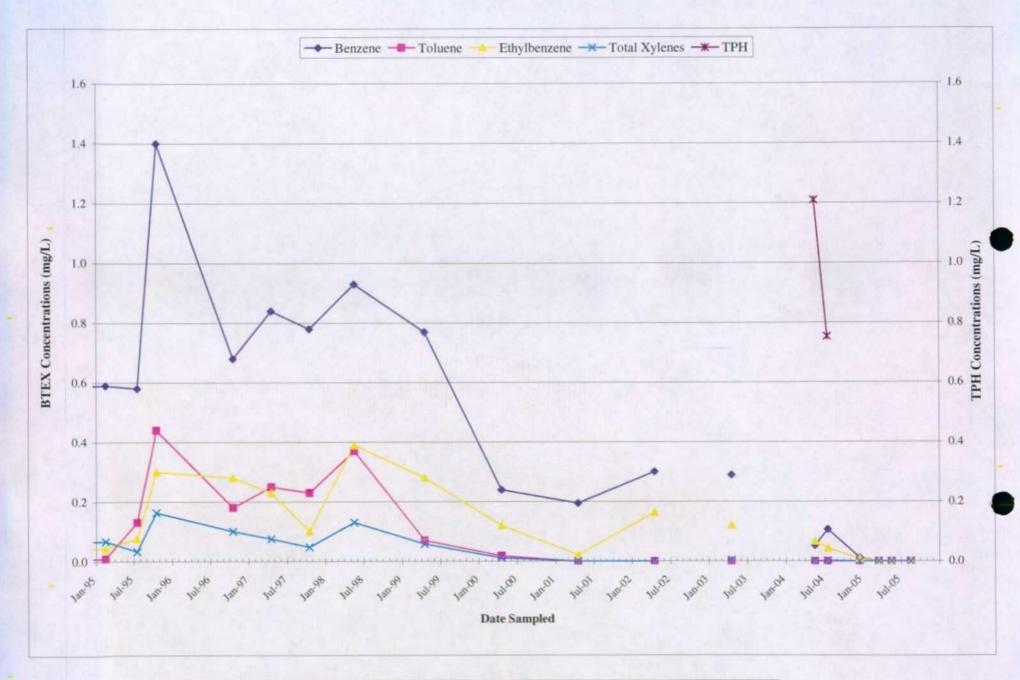


Figure 15: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-12, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/10/95 through 12/31/05.

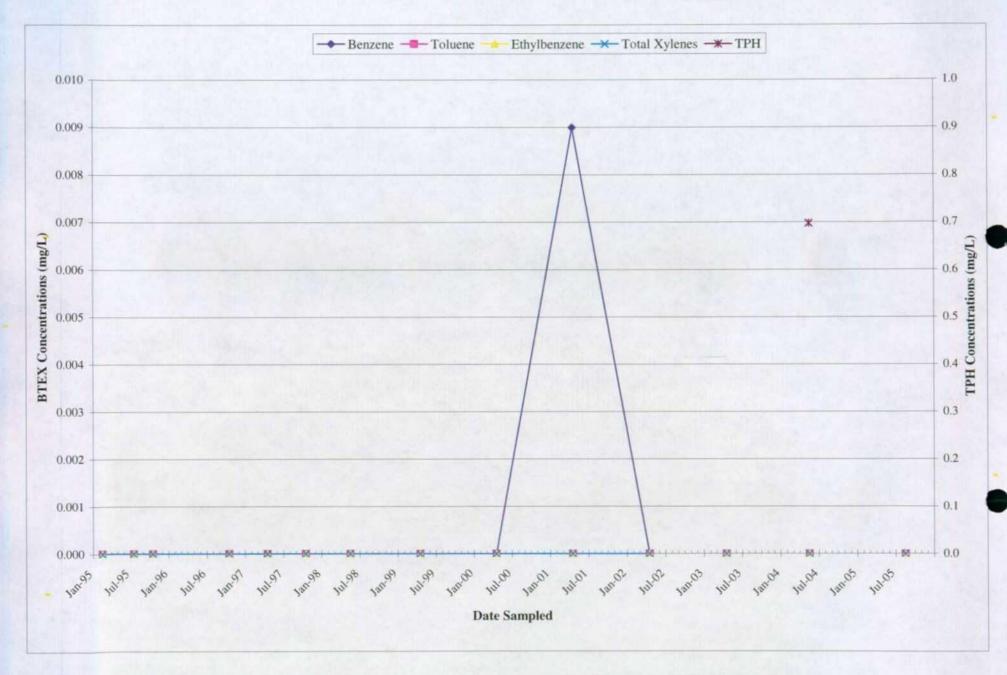


Figure 16: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-13, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/10/95 through 12/31/05.

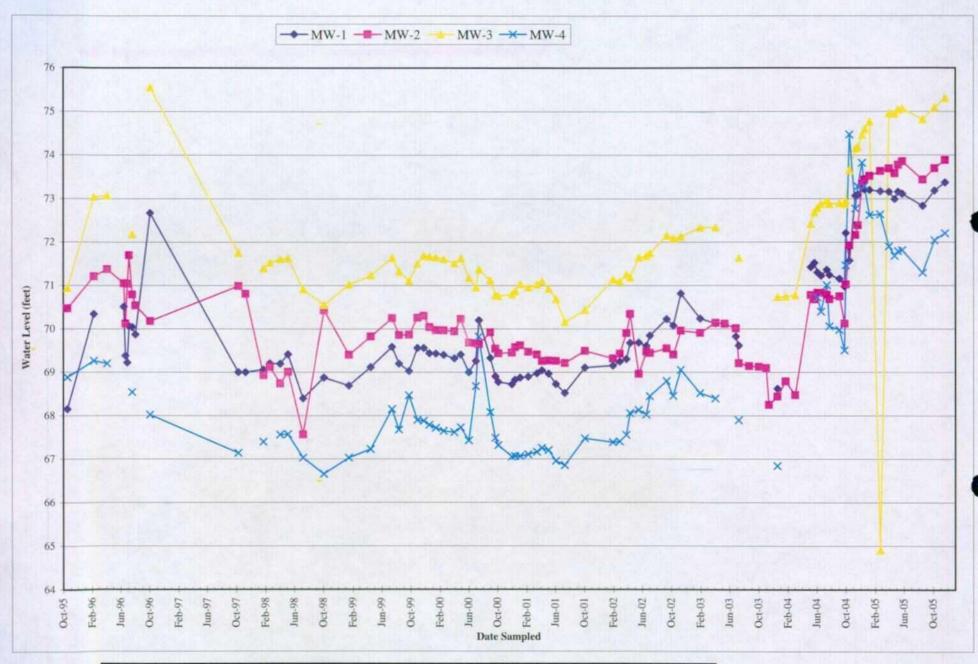


Figure 17: Hydrograph for Monitoring Wells MW-1 through MW-4, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/05.

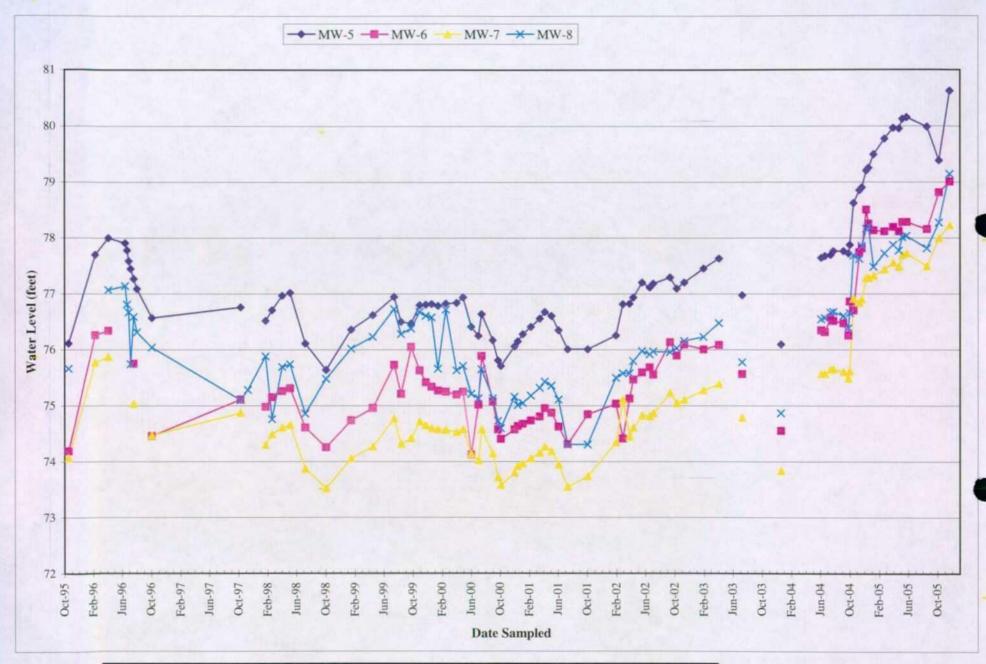


Figure 18: Hydrograph for Monitoring Wells MW-5 through MW-8, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/05.

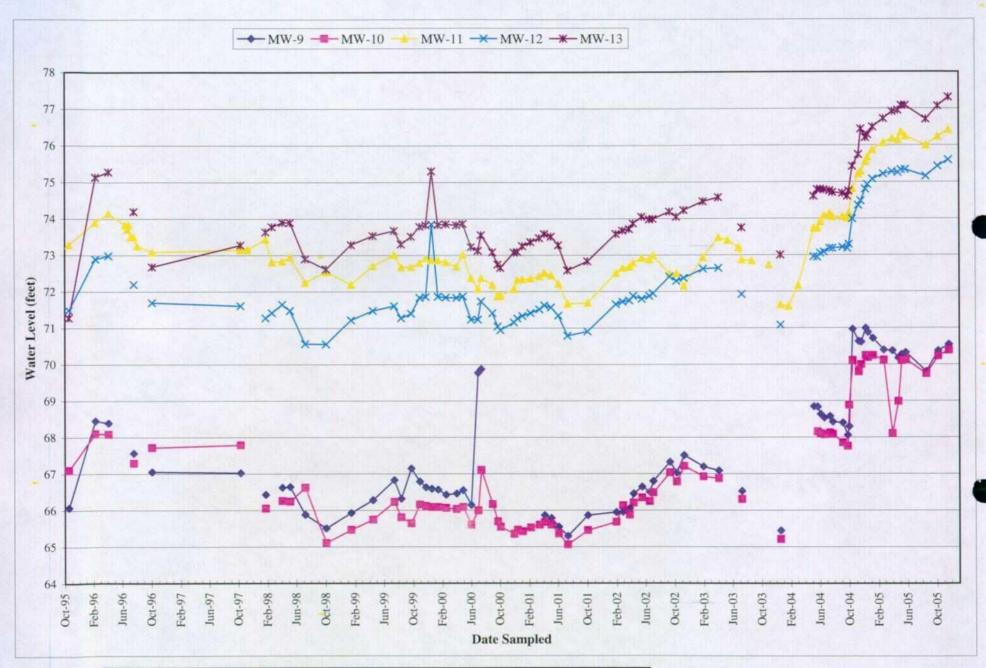


Figure 19: Hydrograph for Monitoring Wells MW-9 through MW-13, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/05.

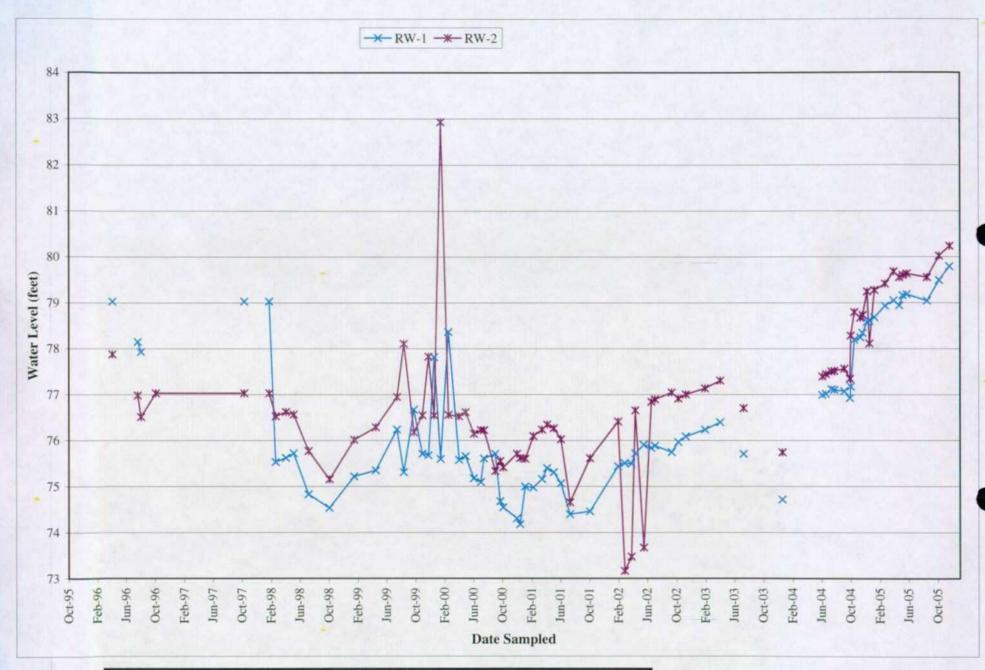
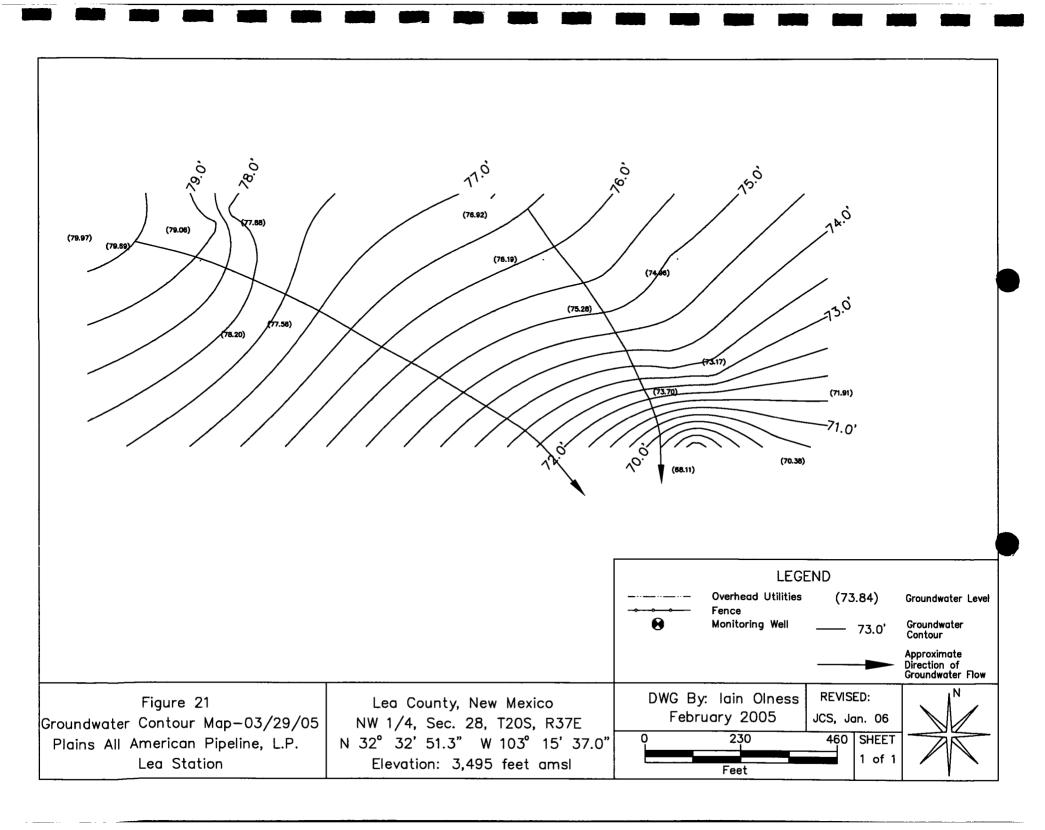
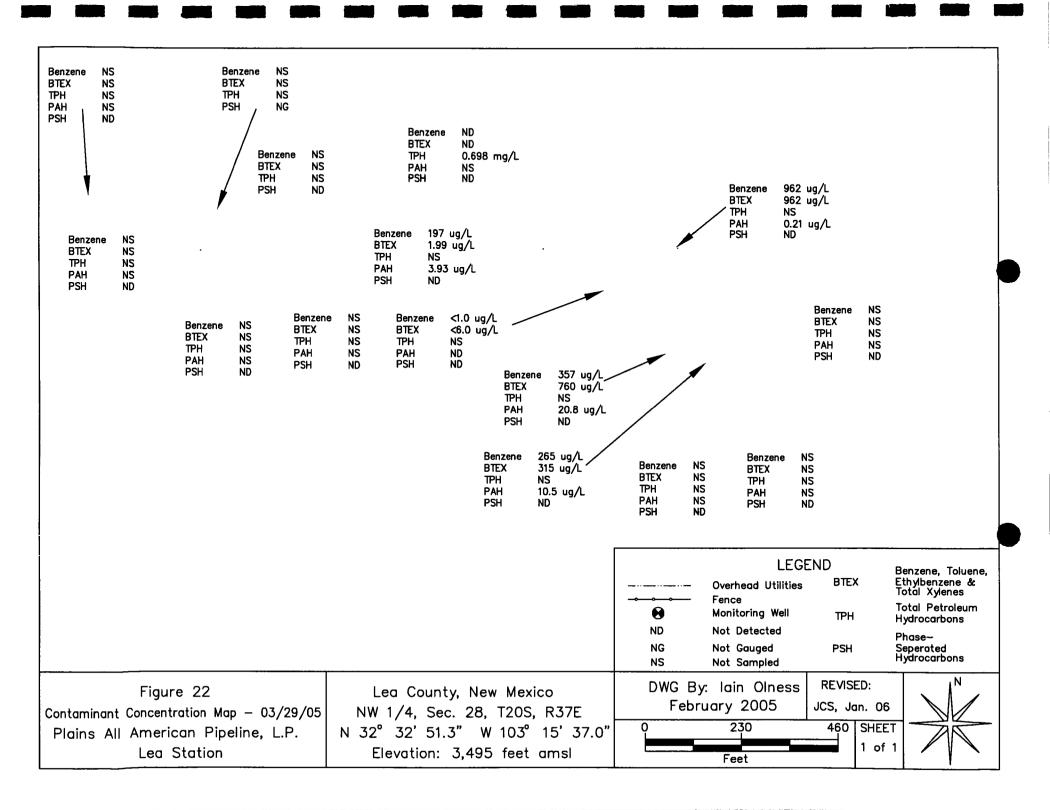
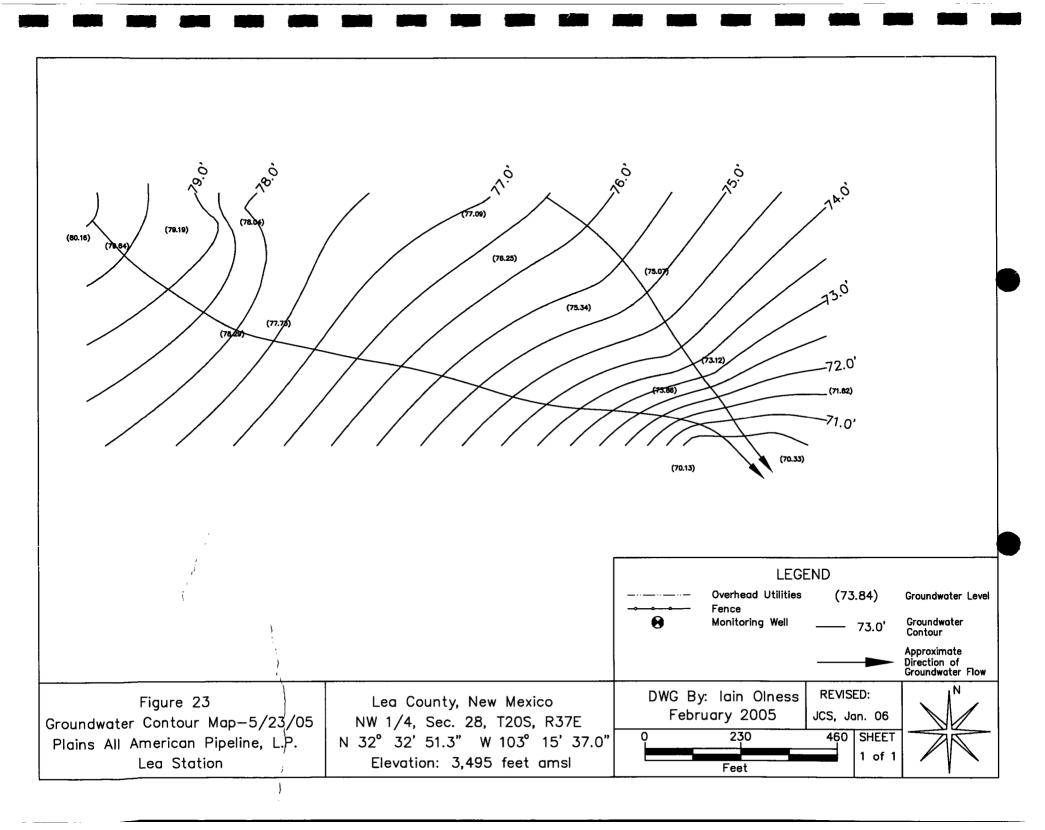
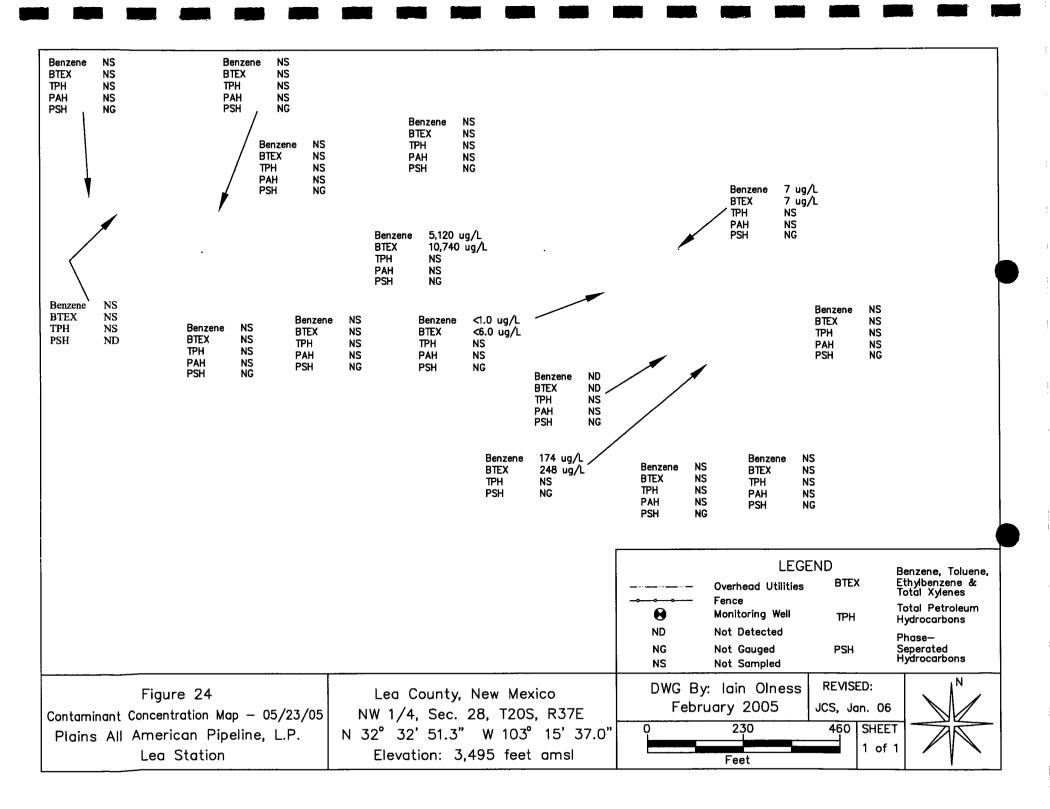


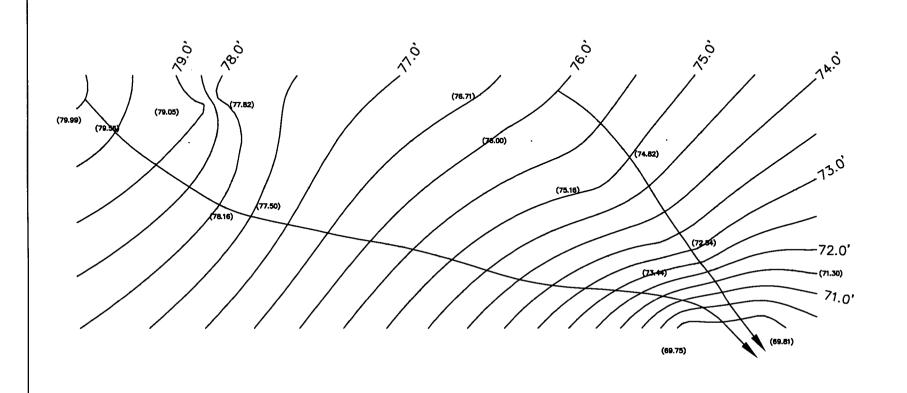
Figure 20: Hydrograph for Recovery Wells RW-1 and RW-2, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/05.

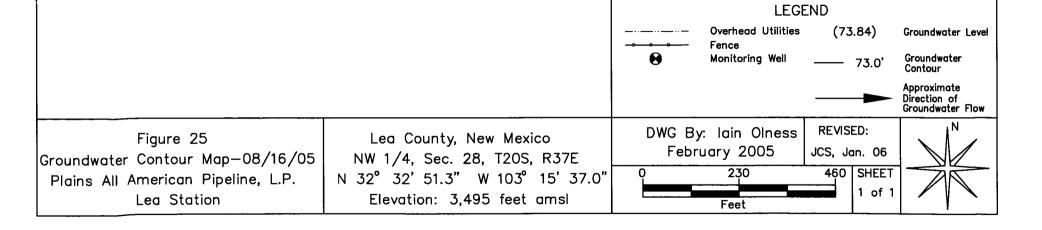


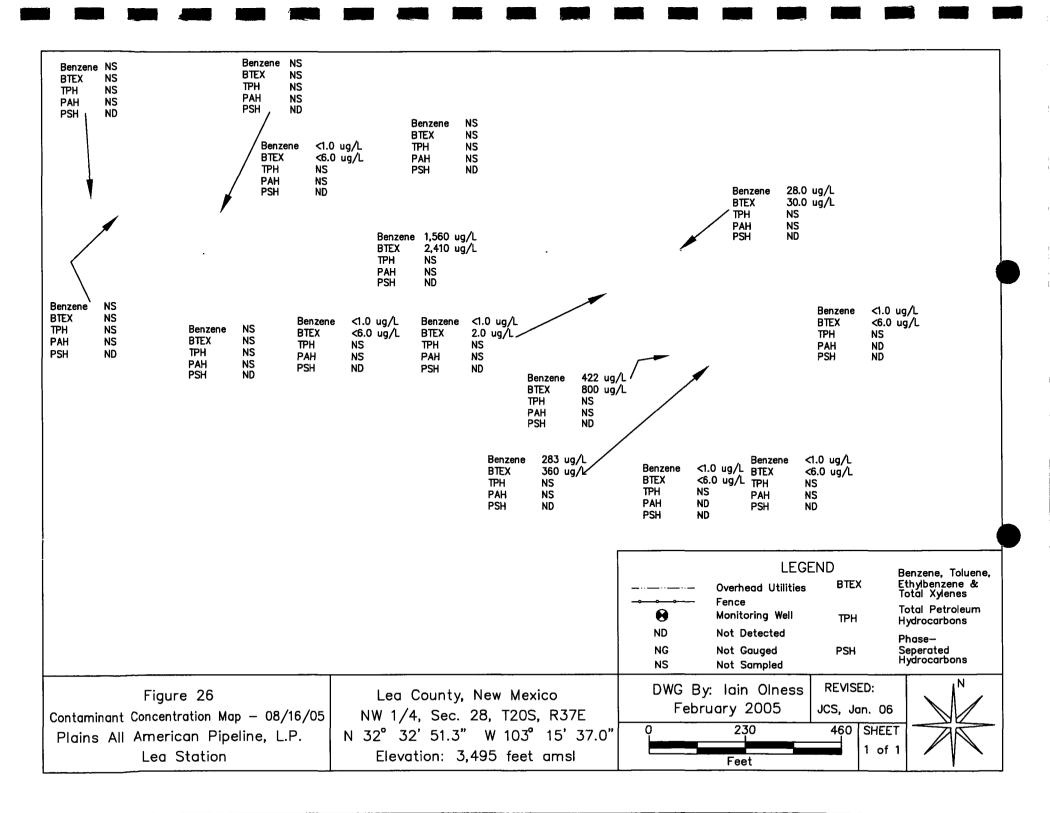


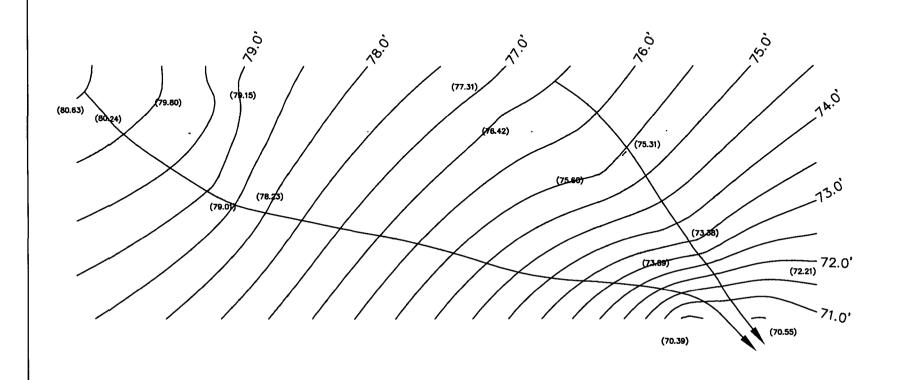


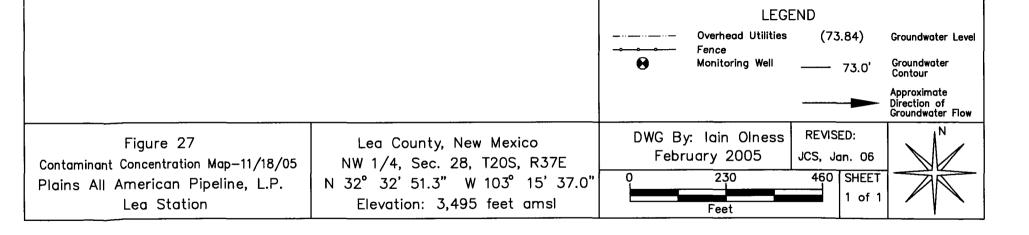


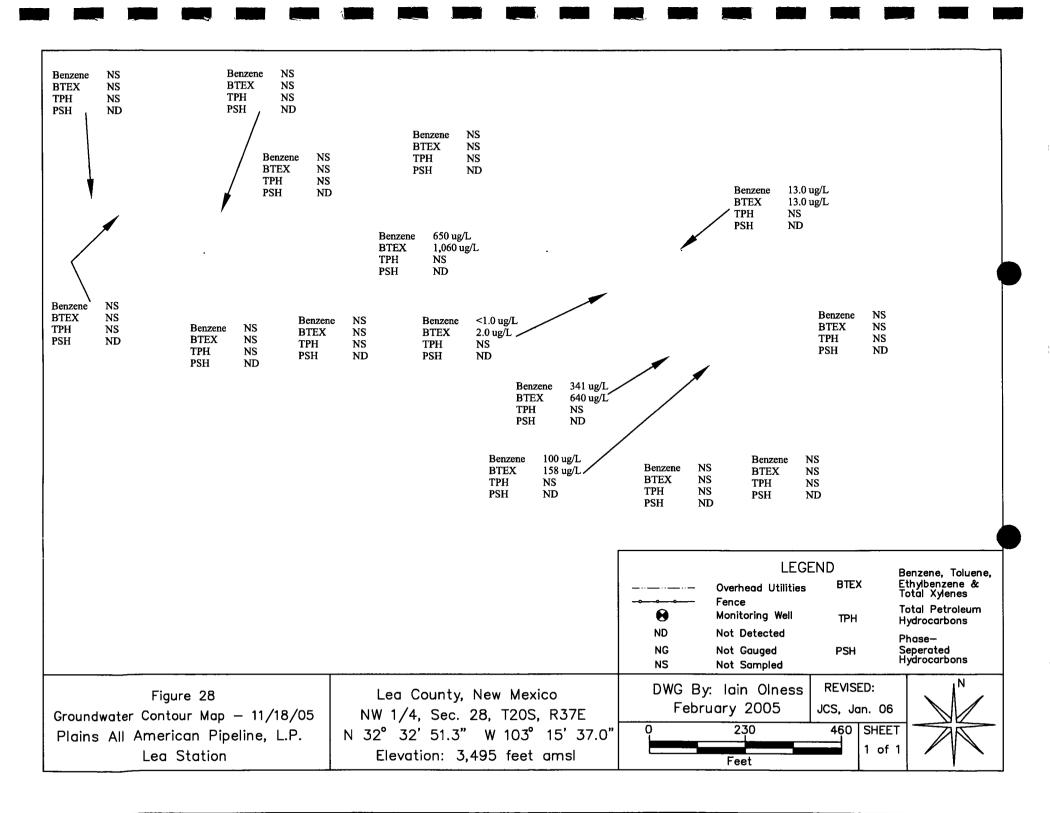












RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-1	10/17/95	98.88	100.73	32.52	33.16	68.15	0.64			
	02/07/96			30.39	30.39	70.34	0.00			
	04/03/96									
	06/12/96			30.22	30.22	70.51	0.00			
	06/20/96			31.35	31.35	69.38	0.00			
	06/27/96			31.51	31.51	69.22	0.00			
	07/05/96			30.67	30.67	70.06	0.00			
	07/18/96			30.69	30.69	70.04	0.00			Ì
	08/01/96			30.86	30.86	69.87	0.00			
	10/02/96			28.06	28.06	72.67	0.00			
	10/09/97			31.73	31.73	69.00	0.00	0.25		Absorptive Boom
	11/08/97	98.88	100.73		31.73	69.00	0.00	0.10	12.96	Absorptive Boom/Hand Bail
	01/22/98			31.65	31.84	69.06	0.19		12.96	
	02/18/98		1	31.52	31.60	69.20	0.08		12.96	
	04/02/98			31.51	31.74	69.20	0.23	2.50	15.46	Absorptive Boom/Hand Bail
	05/05/98			31.31	31.37	69.41	0.06	2.50	17.96	Absorptive Boom/Hand Bail
	07/07/98			32.30	32.64	68.40	0.34	3.00	20.96	Absorptive Boom/Hand Bail
	10/02/98			31.81	32.25	68.88	0.44	2.00	22.96	Absorptive Boom/Hand Bail
	01/14/99			32.02	32.20	68.69	0.18	1.50	24.46	Absorptive Boom/Hand Bail
	04/15/99			31.57	31.98	69.12	0.41		24.46	
	07/13/99			31.10	31.55	69.59	0.45	1.50	25.96	Absorptive Boom/Hand Bail
	08/11/99			31.48	32.00	69.20	0.52	1.50	27.46	Absorptive Boom/Hand Bail
	09/22/99			31.68	31.90	69.03	0.22	0.25	27.71	Absorptive Boom/Hand Bail
	10/28/99			31.16	31.26	69.56	0.10	1.75	29.46	Absorptive Boom/Hand Bail
	11/23/99			31.16	31.26	69.56	0.10	0.25	29.71	Absorptive Boom
	12/17/99		[31.29	69.44	0.00	0.25	29.96	Absorptive Boom
	01/13/00]		31.30	69.43	0.00	0.25	30.21	Absorptive Boom
	02/15/00		}		31.33	69.40	0.00	0.25	29.46	Absorptive Boom
	03/31/00				31.41	69.32	0.00	0.25	30.46	Absorptive Boom
	04/27/00				31.32	69.41	0.00		30.46	Absorptive Boom
	05/31/00				31.73	69.00	0.00	0.25	30.71	Absorptive Boom

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery	
MW-1	06/30/00				31.47	69.26	0.00		30.71	Absorptive Boom	1
(cont.)	07/13/00				30.53	70.20	0.00	0.25	30.96	Absorptive Boom	ľ
	08/30/00				31.40	69.33	0.00		30.96	Absorptive Boom	l
	09/21/00				31.82	68.91	0.00		30.96	Absorptive Boom	
	10/03/00				31.95	68.78	0.00		30.96	Absorptive Boom	
	11/29/00			32.00	32.07	68.72	0.07	0.25	31.21	Absorptive Boom	ı
	12/13/00				31.90	68.83	0.00	0.25	31.46	Absorptive Boom	İ
	01/03/01		1		31.85	68.88	0.00	0.25	31.71	Absorptive Boom	1
	02/06/01				31.83	68.90	0.00	0.25	31.96	Absorptive Boom	I
	03/15/01				31.75	68.98	0.00	0.25	32.21	Absorptive Boom	I
	04/05/01				31.68	69.05	0.00	0.25	32.46	Absorptive Boom	
	05/03/01				31.76	68.97	0.00	0.25	32.71	Absorptive Boom	I
	06/02/01				32.00	68.73	0.00	0.25	32.96	Absorptive Boom	
	07/10/01	ļ		32.19	32.32	68.53	0.13	0.25	33.21	Absorptive Boom	∥
1	10/02/01			31.62	31.63	69.11	0.01	0.50	33.71	Absorptive Boom	
	01/28/02				31.57	69.16	0.00	0.25	33.96	Absorptive Boom	
	02/25/02				31.48	69.25	0.00	0.25	34.21	Absorptive Boom	ı
	03/25/02				31.42	69.31	0.00	0.00	34.21	Absorptive Boom	I
	04/10/02	1			31.05	69.68	0.00	0.00	34.21	Absorptive Boom	ı
	05/16/02				31.04	69.69	0.00	0.00	34.46	Absorptive Boom	ı
	06/17/02				31.12	69.61	0.00	0.00	34.46	Absorptive Boom	ı
	07/02/02				30.88	69.85	0.00	0.00	34.46	Absorptive Boom	ı
	09/10/02				30.50	70.23	0.00	0.00	34.46	Absorptive Boom	
	10/08/02				30.65	70.08	0.00	0.00	34.46	Absorptive Boom	
	11/08/02				29.91	70.82	0.00	0.00	34.46	Absorptive Boom	
	01/28/03				30.49	70.24	0.00	0.00	34.46	Absorptive Boom	
l	04/02/03			ı	30.60	70.13	0.00	0.00	34.46	Absorptive Boom	I
	05/10/03										
	06/26/03				30.90	69.83	0.00	0.50	34.96	Absorptive Boom	
	07/08/03				31.11	69.62	0.00	0.00	34.46	Absorptive Boom	
	08/20/03									<u> </u>	

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-1	09/30/03		Magning					11551	Walley II.	
(cont.)	10/31/03	miles of the h	District of the		ALIE MAIN		Marianen.		CONTRACTOR OF THE PARTY OF THE	
	11/12/03				THE STATE OF				William R. In	
	12/18/03	WE STONE			32.10	68.63	0.00	0.00	34.46	Absorptive Boom
	01/21/04		343 P. W.			Market Story				
	03/01/04				20.20	-1.10	0.00	0.00	21.16	
	05/06/04				29.30	71.43	0.00	0.00	34.46	Absorptive Boom
	05/21/04 06/03/04				29.20 29.42	71.53 71.31	0.00	0.00	34.46 34.46	Absorptive Boom
	06/03/04		The Late of		29.42	71.23	0.00	0.00	34.46	Absorptive Boom
	06/18/04	A STATE OF THE STA			29.36	71.23	0.00	0.00	34.46	Absorptive Boom (Changed Out) Absorptive Boom (Changed Out)
	07/12/04				29.36	71.25	0.00	0.00	34.46	Absorptive Boom (Changed Out)
	09/03/04				29.48	71.16	0.00	0.00	34.46	Absorptive Boom (Changed Out)
	09/03/04		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		29.75	70.98	0.00	0.00	34.46	Absorptive Boom (Changed Out)
	09/24/04				28.51	72.22	0.00	0.00	54.40	Absorptive Boom (Changed Out)
	10/15/04				29.15	71.58	0.00	0.00	. AVE	Absorptive Boom
	11/09/04				27.65	73.08	0.00	0.00		Absorptive Boom
	11/19/04		Trever State		27.63	73.10	0.00	0.00		Absorptive Boom
	12/07/04				27.44	73.29	0.00	0.00	The Laboratory	Absorptive Boom (Changed Out)
	12/17/04				27.51	73.22	0.00	0.00		Absorptive Boom
	01/07/05				27.52	73.21	0.00	0.00		Absorptive Boom
	02/21/05	A STATE OF THE	S15 10 2 75		27.55	73.18	0.00	0.00		Absorptive Boom
	03/29/05		Market and the	he medial	27.56	73.17	0.00	0.00	Selle Selle	Absorptive Boom
	04/22/05	TO THE REAL PROPERTY.	STATE OF THE PARTY	No. of St. L.	27.73	73.00	0.00	0.00	HEREN BU	
	05/06/05				27.56	73.17	0.00	0.00	The sales	
	05/23/05	Half-keep line	RICENTULE		27.61	73.12	0.00	0.00	MINE CO	
	08/16/05	SEE - IV			27.89	72.84	0.00	0.00		
	10/05/05	98.88			27.54	73.19	0.00	0.00	BULLEST	Part Carlo Carlo Carlo
	11/18/05				27.35	73.38	0.00	0.00		

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-2	10/17/95	100.78	102.37	31.89	32.04	70.47	0.15	0.00		
	02/07/96			31.14	31.38	71.21	0.24	0.00		
	04/03/96			30.96	31.29	71.38	0.33	0.00		
	06/12/96				31.32	71.05	0.00	0.00		
	06/20/96	1			32.25	70.12	0.00	0.00		
	06/27/96				31.33	71.04	0.00	0.00		
	07/05/96				30.67	71.70	0.00	0.00		
	07/18/96				31.58	70.79	0.00	0.00		
	08/01/96				31.83	70.54	0.00	0.00		
	10/02/96			32.13	32.71	70.18	0.58	0.00		
	10/09/97				31.38	70.99	0.00	0.00		Absorptive Boom/Hand Bail
	11/08/97	100.78	102.37		31.56	70.81	0.00	0.05	10.25	Absorptive Boom/Hand Bail
	01/22/98			33.34	34.37	68.93	1.03	0.50	10.75	Absorptive Boom/Hand Bail
	02/18/98			33.15	34.14	69.12	0.99	0.50	11.25	Absorptive Boom/Hand Bail
	04/02/98			33.51	34.72	68.74	1.21	2.00	13.25	Absorptive Boom/Hand Bail
	05/05/98			33.26	34.28	69.01	1.02	2.00	15.25	Absorptive Boom/Hand Bail
	07/07/98			34.62	36.44	67.57	1.82	3.00	18.25	Absorptive Boom/Hand Bail
	10/02/98			31.81	33.13	70.43	1.32	2.00	20.25	Absorptive Boom/Hand Bail
	01/14/99			32.83	34.23	69.40	1.40		20.25	Absorptive Boom/Hand Bail
	04/15/99			32.36	34.20	69.83	1.84		20.25	
	07/13/99			31.88	34.30	70.25	2.42	4.00	24.25	Hand Bail
	08/11/99			32.27	34.70	69.86	2.43	3.50	27.75	Hand Bail
	09/22/99			32.32	34.14	69.87	1.82	2.50	30.25	Hand Bail
	10/28/99			31.98	33.30	70.26	1.32	2.00	32.25	Hand Bail
	11/23/99			31.93	33.28	70.31	1.35	2.00	34.25	Absorptive Boom/Hand Bail
	12/17/99			32.26	32.94	70.04	0.68	1.25	35.50	Absorptive Boom/Hand Bail
	01/13/00			32.31	33.20	69.97	0.89	1.50	37.00	Absorptive Boom/Hand Bail
	02/15/00			32.30	33.30	69.97	1.00	0.50	37.50	Absorptive Boom/Hand Bail
	03/31/00			32.28	33.73	69.95	1.45	1.00	38.50	Absorptive Boom/Hand Bail
	04/27/00			32.01	33.31	70.23	1.30	1.50	40.00	Absorptive Boom/Hand Bail
	05/31/00			32.49	34.48	69.68	1.99	3.00	43.00	Absorptive Boom/Hand Bail
	06/30/00			32.58	33.79	69.67	1.21	2.00	45.00	Absorptive Boom/Hand Bail

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-2	07/13/00			32.61	33.69	69.65	1.08	1.50	46.50	Absorptive Boom/Hand Bail
(cont.)	08/30/00			32.27	34.03	69.92	1.76	1.50	48.00	Hand Bail
	09/21/00			32.60	34.86	69.54	2.26	3.00	51.00	Hand Bail
	10/03/00			32.80	34.12	69.44	1.32	1.50	52.50	Hand Bail
]	11/29/00			32.76	34.30	69.46	1.54	2.50	55.00	Hand Bail
	12/13/00			32.70	33.58	69.58	0.88	0.50	55.50	Absorptive Boom/Hand Bail
	01/03/01			32.68	33.33	69.63	0.65	0.50	56.00	Absorptive Boom/Hand Bail
	02/06/01			32.79	33.83	69.48	1.04	0.50	56.50	Absorptive Boom/Hand Bail
	03/15/01			32.85	33.91	69.41	1.06	0.50	57.00	Absorptive Boom/Hand Bail
	04/05/01			33.00	34.10	69.26	1.10	0.50	57.50	Absorptive Boom/Hand Bail
	05/03/01			32.98	34.16	69.27	1.18	0.50	58.00	Absorptive Boom/Hand Bail
	06/02/01			32.91	34.86	69.27	1.95	0.50	58.50	Absorptive Boom/Hand Bail
	07/10/01	·		32.89	35.50	69.22	2.61	1.50	59.00	Absorptive Boom/Hand Bail
	10/02/01			32.69	34.52	69.50	1.83	1.50	59.50	Absorptive Boom/Hand Bail
	01/28/02			32.90	34.34	69.33	1.44	1.50	60.00	Absorptive Boom/Hand Bail
	02/25/02			32.80	34.14	69.44	1.34	1.00	60.00	Hand Bail
	03/25/02			32.29	33.99	69.91	1.70	1.50	61.00	Hand Bail
	04/10/02			31.83	33.72	70.35	1.89	0.00	60.00	Installed passive skimmer
	05/16/02			33.32	34.14	68.97	0.82	3.00	63.00	Skimmer
	06/17/02			32.80	33.70	69.48	0.90	1.50	62.50	Skimmer
	07/02/02			32.91	33.03	69.45	0.12	2.50	62.50	Skimmer
	09/10/02			32.65	34.29	69.56	1.64	0.50	63.50	Skimmer
	10/08/02			32.80	34.38	69.41	1.58	0.50	63.00	Skimmer
	11/08/02	İ		32.20	34.25	69.97	2.05	0.50	63.00	Skimmer
	01/28/03			32.22	34.59	69.91	2.37	2.50	66.00	Skimmer
	04/02/03			32.12	33.16	70.15	1.04	5.50	71.50	Skimmer
	05/10/03			32.15	33.12	70.12	0.97	4.50	76.00	Skimmer
	06/26/03			32.16	34.06	70.02	1.90	3.00	79.00	Skimmer
	07/08/03			33.12	33.47	69.22	0.35	3.00	82.00	Skimmer

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Casing	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-2	08/20/03			33.20	33.41	69.15	0.21	2.50	84.50	Skimmer
(cont.)	09/30/03			33.19	33.65	69.13	0.46	2.50	87.00	Skimmer
	10/31/03			33.25	33.41	69.10	0.16	2.50	89.50	Skimmer
	11/12/03			34.10	34.23	68.26	0.13	0.50	90.00	Skimmer
	12/18/03	A LIMIT OF THE		33.90	34.11	68.45	0.21	0.41	90.41	Skimmer
	01/21/04			33.54	33.88	68.80	0.34	2.50	92.91	Skimmer
	03/01/04		PARTY IN	33.87	34.05	68.48	0.18	0.35	93.26	Skimmer
	05/06/04			31.55	31.90	70.79	0.35	0.62	93.88	Skimmer
	05/21/04		N STEEL STEE	31.65	31.97	70.69	0.32	0.58	94.46	Skimmer
	06/03/04			31.49	31.91	70.84	0.42	0.85	95.31	Skimmer
	06/18/04			31.48	32.01	70.84	0.53	1.03	96.34	Skimmer
	07/12/04		-1111	31.51	32.12	70.80	0.61	2.50	98.84	Skimmer
	7/23/004			31.62	32.23	70.69	0.61	2.50	101.34	Skimmer
	09/03/04	THE SELECTION		31.57	32.00	70.76	0.43	2.50	103.84	Skimmer
	09/24/04			32.23	32.35	70.13	0.12	2.50	106.34	Skimmer
	09/30/04	1 1 1 1 1		31.32	31.50	71.03	0.18	15.00	121.34	Skimmer
	10/15/04		A PART OF THE	30.39	30.89	71.93	0.50	2.50	123.84	Hand Bailed
	11/09/04		The second	30.20	30.21	72.17	0.01	5 M 5 1	123.84	Skimmer
	11/19/04			29.97	30.00	72.40	0.03		123.84	Removed skimmer and installed absorba
	12/07/04	HULLEY THE			29.02	73.35	0.00	1		Absorptive Boom (Changed Out)
	12/17/04	THE REAL PROPERTY.	The same of the	1111111111	28.92	73.45	0.00			Absorptive Boom
	01/07/05	North Control		THE REAL PROPERTY.	28.84	73.53	0.00	12 3 3 2 2 3	SVIN STORES	Absorptive Boom (Changed Out)
	02/21/05	SHOULD WENT		No. of Concession, Name of Street, or other Persons, Name of Street, or ot	28.73	73.64	0.00	N. DELLEY		Absorptive Boom
	03/29/05				28.67	73.70	0.00	MARKET NEW YORK	THE LETTER STATE OF	
	04/22/05		STATE OF THE SAME		28.78	73.59	0.00	The state of the s	/FIG. 157-251	Absorptive Boom (Changed Out)
	05/06/05			C.W. T. T.	28.59	73.78	0.00	4095		
	05/23/05				28.51	73.86	0.00		12/1/201	THE RESERVE TO BE A STATE OF THE RESERVE TO STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF TH
	08/16/05				28.93	73.44	0.00			
	10/05/05	MAN SERVICE		BESTER	28.67	73.70	0.00	S. Carl	THE PERSON	ISSUED BOOK OF THE PARTY OF THE
	11/18/05			The second second	28.48	73.89	0.00		U.S. Carrier	

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-3	10/17/95	101.79	103.61		32.67	70.94	0.00	0.00		
	02/07/96	`			30.57	73.04	0.00	0.00		
	04/03/96				30.54	73.07	0.00	0.00		
	06/12/96							0.00		
	06/20/96					[0.00	Į	
	06/27/96]]					0.00		
	07/05/96							0.00		
	07/18/96				31.43	72.18	0.00	0.00		
	08/01/96							0.00	l	
	10/02/96]		28.06	75.55	0.00	0.00		
	10/09/97				31.86	71.75	0.00	0.00		
	11/08/97	101.79	103.61					0.00		No PSH
	01/22/98		[[32.21	71.40	0.00	0.00		
	02/18/98				32.08	71.53	0.00	0.00		
	04/02/98				32.00	71.61	0.00	0.00		
	05/05/98				31.98	71.63	0.00	0.00		
	07/07/98				32.70	70.91	0.00	0.00		
	10/02/98				33.06	70.55	0.00	0.00		
	01/14/99			32.58	32.65	71.02	0.07	0.50	0.50	Absorptive Boom
	04/15/99			32.36	32.56	71.23	0.20	0.50	1.00	Absorptive Boom
	07/13/99	[ļ	31.94	32.19	71.65	0.25	0.50	1.50	Absorptive Boom
	08/11/99			32.26	32.54	71.32	0.28	0.50	2.00	Absorptive Boom
	09/22/99]		32.49	32.61	71.11	0.12	0.25	2.25	Absorptive Boom
	10/28/99			32.10	32.12	71.51	0.02	0.25	2.50	Absorptive Boom
	11/23/99	,			31.92	71.69	0.00	0.25	2.75	Absorptive Boom
	12/17/99				31.94	71.67	0.00	0.25	3.00	Absorptive Boom
	01/13/00				31.96	71.65	0.00	0.25	3.25	Absorptive Boom
	02/15/00				32.00	71.61	0.00	0.25	2.00	Absorptive Boom
	03/31/00				32.10	71.51	0.00		3.25	Absorptive Boom
	04/27/00				31.98	71.63	0.00	0.25	3.50	PSH droplets present during purge
	05/31/00	[32.43	71.18	0.00		3.50	Absorptive Boom
	06/30/00				32.65	70.96	0.00	0.25	3.75	Absorptive Boom
	07/13/00				32.23	71.38_	0.00	<u> </u>	3.75	Absorptive Boom

TABLE 1

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-3	08/30/00	-			32.49	71.12	0.00		3.75	Absorptive Boom
(cont.)	09/21/00				32.83	70.78	0.00	0.25	4.00	Absorptive Boom
	10/03/00				32.85	70.76	0.00		4.00	Absorptive Boom
	11/29/00				32.81	70.80	0.00		4.00	Absorptive Boom
	12/13/00				32.74	70.87	0.00	0.25	4.25	Absorptive Boom
	01/03/01				32.57	71.04	0.00		4.25	Absorptive Boom
	02/06/01				32.65	70.96	0.00	0.25	4.50	Absorptive Boom
	03/15/01				32.58	71.03	0.00		4.50	Absorptive Boom
	04/05/01			32.50	32.61	71.10	0.11	0.25	4.75	Absorptive Boom
	05/03/01				32.68	70.93	0.00		4.75	Absorptive Boom
	06/02/01				32.92	70.69	0.00		4.75	Absorptive Boom
	07/10/01				33.45	70.16	0.00	0.25	5.00	Absorptive Boom
	10/02/01			33.14	33.43	70.44	0.29	0.25	5.25	Absorptive Boom
	01/28/02			32.43	32.75	71.15	0.32	0.25	5.50	Absorptive Boom
	02/25/02			32.51	32.59	71.09	0.08	0.25	5.75	Absorptive Boom
	03/25/02				32.35	71.26	0.00	0.25	6.00	Absorptive Boom
	04/10/02				32.42	71.19	0.00	0.25	6.25	Absorptive Boom
	05/16/02				31.96	71.65	0.00	0.25	6.50	Absorptive Boom
	06/17/02				31.92	71.69	0.00	0.00	6.50	Absorptive Boom
	07/02/02				31.86	71.75	0.00	0.00	6.50	Absorptive Boom
	09/10/02				31.45	72.16	0.00	0.00	6.50	Absorptive Boom
	10/08/02				31.52	72.09	0.00	0.50	7.00	Absorptive Boom
	11/08/02				31.48	72.13	0.00	0.00	7.00	Absorptive Boom
	01/28/03				31.27	72.34	0.00	0.00	7.00	Absorptive Boom
	04/02/03				31.27	72.34	0.00	0.00	7.00	Absorptive Boom
	05/10/03									
	06/26/03									
	07/08/03				31.97	71.64	0.00	0.00	7.00	Absorptive Boom
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				32.87	70.74	0.00	0.00	7.00	Absorptive Boom

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-3	01/21/04				32.86	70.75	0.00	0.00	7.00	Absorptive Boom (Changed Out)
(cont.)	03/01/04		The same		32.83	70.78	0.00	0.00	7.00	Absorptive Boom
	05/06/04	74,460	A Zalakini		31.19	72.42	0.00	0.00	7.00	Absorptive Boom
	05/21/04	THE STATE			30.92	72.69	0.00	0.00	7.00	Absorptive Boom
	06/03/04	TOTAL HOLD			30.82	72.79	0.00	0.00	7.00	Absorptive Boom
	06/18/04				30.73	72.88	0.00	0.00	7.00	Absortive Boom (Changed Out)
	07/12/04		I Later		30.66	72.95	0.00	0.00	7.00	Absortive Boom (Changed Out)
	07/23/04				30.73	72.88	0.00	0.00	7.00	Absorbtive Boom
	09/03/04				30.71	72.90	0.00	0.00	7.00	Absortive Boom (Changed Out)
	09/24/04	-78			30.73	72.88	0.00	0.00	7.00	Absortive Boom
	09/30/04				30.65	72.96	0.00	0.00	7.00	Absortive Boom (Changed Out)
	10/15/04	The second			29.95	73.66	0.00	0.00	7.00	Absortive Boom
	11/09/04				29.46	74.15	0.00	0.00	7.00	Absortive Boom (Changed Out)
	11/19/04		STE WAS E		29.42	74.19	0.00	0.00	7.00	Absortive Boom
	12/07/04				29.15	74.46	0.00	0.00	7.00	Absortive Boom
	12/17/04	Louis Til	and the same of		29.01	74.60	0.00	0.00	7.00	Absortive Boom (Changed Out)
	01/07/05				28.84	74.77	0.00	0.00	TERESON !	
	02/21/05				38.70	64.91	0.00	0.00	LANGE REP	Absortive Boom
	03/29/05				28.65	74.96	0.00	0.00		
	04/22/05	THE PARTY OF	THE RESERVE		28.66	74.95	0.00	0.00	THE RESERVE	Absortive Boom (Changed Out)
	05/06/05	SPECIAL DESIGNATION OF THE PERSON OF THE PER	10 Tel 18 18 18 18 18 18 18 18 18 18 18 18 18		28.56	75.05	0.00	0.00		
	05/23/05				28.54	75.07	0.00	0.00		
	08/16/05	1100			28.79	74.82	0.00	0.00		
	10/05/05	STATE OF THE PARTY		The state of the	28.52	75.09	0.00	0.00	THE LETTER	
	11/18/05	William & France			28.30	75.31	0.00	0.00		

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-4	10/17/95	93.80	96.08		27.20	68.88	0.00			
	02/07/96				26.82	69.26	0.00			
	04/03/96				26.88	69.20	0.00			
	06/12/96									
	06/20/96				1					
	06/27/96									
	07/05/96									
	07/18/96				27.54	68.54	0.00			
	08/01/96									
	10/02/96				28.06	68.02	0.00			
	10/09/97		24.00		28.94	67.14	0.00			
	11/08/97	93.80	96.08		Not Gauged	(7 40	0.00			No PSH
	01/22/98				28.68	67.40	0.00			
	02/18/98				Not Gauged	(5.5)	0.00			
	04/02/98				28.52	67.56	0.00			
	05/05/98				28.51	67.57	0.00			
	07/07/98				29.05	67.03	0.00			
	10/02/98				29.42	66.66	0.00			
	01/14/99 04/15/99				29.05 28.85	67.03 67.23	0.00 0.00			
	04/13/99				28.83	68.15	0.00			
	08/11/99				27.93	67.68	0.00]	
	08/11/99		1		27.61	68.47	0.00			
	10/28/99				28.18	67.90	0.00			
	11/23/99				28.20	67.88	0.00			
	12/17/99				28.29	67.79	0.00			
	01/13/00				28.25	67.72	0.00			
	02/15/00				28.43	67.65	0.00			
	03/31/00				28.46	67.62	0.00			
	04/27/00		ļ .		28.35	67.73	0.00			
	05/31/00				28.65	67.43	0.00			
	06/30/00				27.40	68.68	0.00			
	07/13/00				26.26	69.82	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-4	08/30/00				28.00	68.08	0.00			
(cont.)	09/21/00				28.59	67.49	0.00			
	10/03/00				28.76	67.32	0.00			
	11/29/00				29.02	67.06	0.00			
I	12/13/00				29.01	67.07	0.00			
	01/03/01				29.01	67.07	0.00			
	02/06/01				28.97	67.11	0.00			
	03/15/01				28.91	67.17	0.00			
	04/05/01				28.82	67.26	0.00			
	05/03/01				28.87	67.21	0.00			
	06/02/01				29.12	66.96	0.00			
1	07/10/01				29.22	66.86	0.00			
	10/02/01				28.60	67.48	0.00			
	01/28/02				28.69	67.39	0.00			
	02/25/02				28.67	67.41	0.00			
	03/25/02				28.52	67.56	0.00			
	04/10/02				28.02	68.06	0.00			
	05/16/02				27.95	68.13	0.00			
	06/17/02				28.05	68.03	0.00			
	07/02/02				27.63	68.45	0.00			
	09/10/02 10/08/02				27.28 27.62	68.80 68.46	0.00			
					l .	4	0.00			
1	11/08/02 01/28/03				27.02 27.56	69.06 68.52	0.00 0.00			
	04/02/03				27.56	68.40	0.00			
	05/10/03				27.08	00.40	0.00			
	06/26/03									
	07/08/03				28.18	67.90	0.00			
	08/20/03				20.10	07.50	0.00			
	09/30/03					l				
	10/31/03	ĺ								
	11/12/03				1					
	12/18/03				29.23	66.85	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-4	01/21/04									
(cont.)	03/01/04					Carried Harris				
	05/06/04			The second			THE RESERVE OF THE			
	05/21/04					2000				
	06/03/04				25.35	70.73	0.00			
	06/18/04				25.68	70.40	0.00	1 / 1 2 2 2	TRANSPORT	
	07/12/04	The same			25.07	71.01	0.00			
	07/23/04		CONTRACTOR OF THE PARTY OF THE	and the second	26.02	70.06	0.00			
	09/03/04				26.10	69.98	0.00			Absorptive Boom
	09/24/04	2 216 6	THE STATE		26.57	69.51	0.00	1	BEET SERVI	Absorptive Boom
	09/30/04		1.00		24.61	71.47	0.00	- 100		Absorptive Boom
	10/15/04				21.60	74.48	0.00			
	11/09/04		K STATE OF THE STA		23.30	72.78	0.00	The Ballion		
	11/19/04				22.79	73.29	0.00		The second	Absorptive Boom
	12/07/04				22.25	73.83	0.00			
	12/17/04				22.78	73.30	0.00			
	01/07/05	A LANGE			23.45	72.63	0.00			
	02/21/05				23.43	72.65	0.00			
	03/29/05			, a restrict	24.17	71.91	0.00			
	04/22/05				24.39	71.69	0.00			STYLE STATE OF THE STATE OF
	05/06/05		DESCRIPTION OF		24.28	71.80	0.00		STATE OF THE PARTY OF	
	05/23/05				24.26	71.82	0.00			
	08/16/05				24.78	71.30	0.00			
	10/05/05		Charles Committee	A SECTION	24.03	72.05	0.00	LA BER	BANK BOOK	
	11/18/05		Control of the	and the same	23.87	72.21	0.00		Control Wes	THE PARTY OF THE P

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-5	10/17/95	107.08	109.21	33.08	33.26	76.11	0.18			
	02/07/96				31.51	77.70	0.00			
	04/03/96				31.21	78.00	0.00			
	06/12/96				31.30	77.91	0.00			
	06/20/96				31.43	77.78	0.00			
	06/27/96				31.62	77.59	0.00			
	07/05/96				31.76	77.45	0.00			
	07/18/96				31.94	77.27	0.00			
	08/01/96				32.12	77.09	0.00			
	10/02/96				32.64	76.57	0.00			
	10/09/97				32.45	76.76	0.00			
	11/08/97	107.08	109.21			,			8.70	
	01/22/98			32.68	32.81	76.52	0.13	1.00	9.70	Absorptive Boom
	02/18/98				32.50	76.71	0.00	0.30	10.00	Sheen, Absorptive Boom
	04/02/98				32.24	76.97	0.00	0.10	10.10	Absorptive Boom
	05/05/98				32.19	77.02	0.00	0.10	10.20	Absorptive Boom
	07/07/98				33.10	76.11	0.00	0.25	10.45	Absorptive Boom
	10/02/98				33.57	75.64	0.00	0.25	10.70	Absorptive Boom
	01/14/99				32.85	76.36	0.00	0.25	10.95	Absorptive Boom
	04/15/99		1		32.59	76.62	0.00	0.25	11.20	Absorptive Boom
	07/13/99				32.26	76.95	0.00		11.20	Absorptive Boom
	08/11/99				32.71	76.50	0.00	0.25	11.45	Absorptive Boom
	09/22/99				32.74	76.47	0.00		11.45	Absorptive Boom
	10/28/99				32.41	76.80	0.00	0.25	11.70	Absorptive Boom
İ	11/23/99				32.40	76.81	0.00		11.70	Absorptive Boom
	12/17/99				32.39	76.82	0.00	0.25	11.95	Absorptive Boom
	01/13/00				32.42	76.79	0.00		11.95	Absorptive Boom
	02/15/00]		32.38	76.83	0.00	0.25	10.20	Absorptive Boom
	03/31/00				32.37	76.84	0.00		11.95	Absorptive Boom
	04/27/00				32.27	76.94	0.00		11.95	PSH droplets present during purge
	05/31/00				32.80	76.41	0.00	0.25	12.20	Absorptive Boom
	06/30/00				32.96	76.25	0.00		12.20	Absorptive Boom
	07/13/00				32.57	76.64	0.00		12.20	Absorptive Boom

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-5	08/30/00				33.04	76.17	0.00	0.25	12.45	Absorptive Boom
(cont.)	09/21/00				33.40	75.81	0.00		12.45	Absorptive Boom
	10/03/00				33.50	75.71	0.00		12.45	Absorptive Boom
ļ	11/29/00				33.15	76.06	0.00		12.45	Absorptive Boom
	12/13/00				33.06	76.15	0.00		12.45	Absorptive Boom
	01/03/01				32.93	76.28	0.00		12.45	Absorptive Boom
	02/06/01				32.80	76.41	0.00		12.45	Absorptive Boom
	03/15/01				32.65	76.56	0.00		12.45	Absorptive Boom
li	04/05/01				32.53	76.68	0.00		12.45	Absorptive Boom
	05/03/01				32.60	76.61	0.00		12.45	Absorptive Boom
	06/02/01				32.86	76.35	0.00		12.45	Absorptive Boom
	07/10/01				33.20	76.01	0.00		12.45	Absorptive Boom
	10/02/01				33.20	76.01	0.00		12.45	Absorptive Boom
	01/28/02				32.95	76.26	0.00		12.45	Absorptive Boom
	02/25/02				32.39	76.82	0.00		12.45	Absorptive Boom
	03/25/02				32.38	76.83	0.00		12.45	Absorptive Boom
	04/10/02				32.27	76.94	0.00		12.45	Absorptive Boom
	05/16/02				32.00	77.21	0.00		12.45	Absorptive Boom
	06/17/02				32.09	77.12	0.00		12.45	Absorptive Boom
	07/02/02				32.02	77.19	0.00		12.45	Absorptive Boom
	09/10/02				31.91	77.30	0.00		12.45	Absorptive Boom
	10/08/02				32.11	77.10	0.00		12.45	Absorptive Boom
	11/08/02				32.00	77.21	0.00		12.45	Absorptive Boom
	01/28/03				31.75	77.46	0.00		12.45	Absorptive Boom
	04/02/03				31.57	77.64	0.00		12.45	Absorptive Boom
	05/10/03							;		
	06/26/03	:								
	07/08/03				32.23	76.98	0.00		12.45	Absorptive Boom
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03			_	33.11	76.10	0.00		12.45	Absorptive Boom

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Casing	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-5	01/21/04	Tage Office	8190 4		-xameled to		Total Sail		12.45	
(cont.)	03/01/04		The second					1000	12.45	
	05/06/04				SPECIAL PROPERTY.				12.45	
	05/21/04		N. P. C.		THE PARTY OF THE P				12.45	
	06/03/04		1 3 3		31.56	77.65	0.00		12.45	Absorptive Boom
	06/18/04				31.53	77.68	0.00		12.45	Absorptive Boom
	07/12/04	STATE OF			31.51	77.70	0.00		12.45	Absorptive Boom
	07/23/04				31.44	77.77	0.00		12.45	Absorptive Boom
	09/03/04	111111111111111111111111111111111111111			31.44	77.77	0.00		12.45	
	09/24/04				31.48	77.73	0.00		12.45	
	09/30/04				31.33	77.88	0.00		12.45	Absorptive Boom
	10/15/04		Control of		30.58	78.63	0.00		12.45	Absorptive Boom (changed out)
	11/09/04	27722	The second second		30.35	78.86	0.00		12.45	Absorptive Boom
	11/19/04		REMOVE I		30.30	78.91	0.00		12.45	Absorptive Boom
	12/07/04				30.00	79.21	0.00		12.45	Absorptive Boom
	12/17/04		EVINE IN		29.95	79.26	0.00	and his	12.45	Absorptive Boom
	01/07/05		S 1 3 5 1 5	SERVICE STATE	29.71	79.50	0.00	1	12.45	Absorptive Boom
	02/21/05	127 1 20 13	HARRY BU		29.43	79.78	0.00		12.45	Absorptive Boom
	03/29/05			Lawrence To	29.24	79.97	0.00		12.45	Absorptive Boom
	04/22/05	RESIDENCE OF	THE RESERVE	THE PARTY	29.25	79.96	0.00		12.45	EN SERVICE DE SENERAL DE LA COMP
	05/06/05				29.08	80.13	0.00			
	05/23/05		Name of the Party	ALL PROPERTY.	29.05	80.16	0.00		Barrier and	
	08/16/05	Notice and the			29.22	79.99	0.00	فالمتحالة		
	10/05/05	A TOP OF THE PARTY	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	330 -00	29.82	79.39	0.00	110000	STATE NAME	A SAN IN STREET, MAINTING
	11/18/05				28.58	80.63	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-6	10/17/95	103.66	106.26		32.07	74.19	0.00			
	02/07/96			29.87	31.15	76.26	1.28			
	04/03/96			29.78	31.15	76.34	1.37			
	06/12/96									
	06/20/96									
	06/27/96									
	07/05/96									
	07/18/96				30.51	75.75	0.00		1	·
	08/01/96									
	10/02/96				31.80	74.46	0.00			
	10/09/97				31.15	75.11	0.00			
	11/08/97	103.66	106.26							No PSH
	01/22/98				31.28	74.98	0.00			
	02/18/98				31.11	75.15	0.00			
	04/02/98				31.00	75.26	0.00			
	05/05/98				30.95	75.31	0.00			
	07/07/98				31.65	74.61	0.00			
	10/02/98				32.00	74.26	0.00			
	01/14/99				31.52	74.74	0.00			
	04/15/99				31.30	74.96	0.00			
	07/13/99	-			30.53	75.73	0.00			
	08/11/99				31.05	75.21	0.00			
	09/22/99 10/28/99				30.21	76.05	0.00			
	11/23/99				30.63 30.84	75.63 75.42	0.00 0.00			
	12/17/99				30.84	75.42 75.34	0.00			
	01/13/00				30.92	75.34 75.27	0.00			
	02/15/00				31.01	75.27 75.25	0.00			
	03/31/00				31.06	75.23 75.20	0.00			
	04/27/00				31.00	75.25 75.25	0.00			
	05/31/00				32.13	73.23 74.13	0.00			
	06/30/00				31.24	75.02	0.00			
	07/13/00				30.37	75.89	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-6	08/30/00				31.18	75.08	0.00			•
(cont.)	09/21/00				31.68	74.58	0.00			
1	10/03/00		ļ		31.85	74.41	0.00			
	11/29/00				31.68	74.58	0.00			
	12/13/00				31.62	74.64	0.00			
	01/03/01				31.58	74.68	0.00			
	02/06/01				31.52	74.74	0.00			
	03/15/01				31.45	74.81	0.00			
	04/05/01				31.30	74.96	0.00			
	05/03/01				31.38	74.88	0.00			
	06/02/01				31.63	74.63	0.00			
	07/10.01				31.94	74.32	0.00			
	10/02/01				31.41	74.85	0.00			
	01/28/02				31.22	75.04	0.00			
	02/25/02				31.84	74.42	0.00			
i	03/25/02				31.13	75.13	0.00			
	04/10/02				30.79	75.47	0.00			
	05/16/02				30.66	75.60	0.00			
H	06/17/02				30.57	75.69	0.00			
	07/02/02				30.70	75.56	0.00			
	09/10/02				30.12	76.14	0.00			
	10/08/02				30.36	75.90	0.00			
	11/08/02				30.16	76.10	0.00			
	01/28/03				30.25	76.01	0.00			
li	04/02/03				30.17	76.09	0.00			
	05/10/03									
	06/26/03									
	07/08/03				30.69	75.57	0.00			
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				31.70	74.56	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-6	01/21/04									
(cont.)	03/01/04		L. Massach						THE PARTY OF	
	05/06/04				Talk has	- X - 100				
	05/21/04		Mula Series							
	06/03/04				29.91	76.35	0.00			
	06/18/04				29.94	76.32	0.00			
	07/12/04				29.68	76.58	0.00		1	
	07/23/04				29.74	76.52	0.00		BY IE IE	
	09/03/04				29.78	76.48	0.00			
	09/24/04	ALL THE	SAME POR		30.00	76.26	0.00		THE PARTY OF THE P	
	09/30/04	PARTIN	TO DESCRIPTION		29.39	76.87	0.00			
	10/15/04				29.55	76.71	0.00			
	11/09/04	ATT STALL	and the state of		28.51	77.75	0.00		The state of	
	11/19/04				28.44	77.82	0.00		E CHINE	
	12/07/04				27.75	78.51	0.00			
	12/17/04				28.00	78.26	0.00			
	01/07/05				28.12	78.14	0.00		THE REAL PROPERTY.	
	02/21/05	istal hipos	En Barrier		28.14	78.12	0.00	See Head and the		
	03/29/05				28.06	78.20	0.00			
	04/22/05		The second second		28.14	78.12	0.00		THE STATE OF	
	05/06/05	THE PARTY			27.97	78.29	0.00	BUE OF		
	05/23/05				27.97	78.29	0.00			
	08/16/05				28.10	78.16	0.00			
	10/05/05			THE RESERVE	27.44	78.82	0.00	BELLEVER		AND THE PERSON NAMED IN COMPANIES
	11/18/05	The section of			27.25	79.01	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-7	10/17/95	104.34	106.27		32.20	74.07	0.00			
	02/07/96				30.50	75.77	0.00			
	04/03/96				30.40	75.87	0.00			
	06/12/96									
	06/20/96									
	06/27/96									
	07/05/96									
	07/18/96				31.24	75.03	0.00			
	08/01/96									
	10/02/96				31.80	74.47	0.00			
	10/09/97				31.40	74.87	0.00			
	11/08/97	104.34	106.27							No PSH
	01/22/98				31.97	74.30	0.00			
	02/18/98	:			31.78	74.49	0.00			
	04/02/98				31.66	74.61	0.00			
	05/05/98				31.61	74.66	0.00		1	
	07/07/98				32.40	73.87	0.00			
	10/02/98				32.75	73.52	0.00 0.00			
	01/14/99				32.21 32.00	74.06 74.27	0.00			
	04/15/99 07/13/99				32.00	74.27	0.00			
	08/11/99				31.95	74.77	0.00			
	08/11/99				31.85	74.32	0.00			
	10/28/99				31.55	74.72	0.00			
	11/23/99				31.62	74.65	0.00			
	12/17/99				31.67	74.60	0.00			
	01/13/00				31.69	74.58	0.00		1	
	02/15/00				31.70	74.57	0.00			
	03/31/00				31.74	74.53	0.00			
	04/27/00				31.69	74.58	0.00	1		
	05/31/00				32.13	74.14	0.00			
	06/30/00				32.25	74.02	0.00			
	07/13/00				31.69	74.58	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-7	08/30/00				32.12	74.15	0.00			
(cont.)	09/21/00				32.55	73.72	0.00			
	10/03/00				32.69	73.58	0.00			
	11/29/00				32.47	73.80	0.00			
	12/13/00				32.35	73.92	0.00			
	01/03/01				32.30	73.97	0.00			
	02/06/01				32.21	74.06	0.00			
	03/15/01				32.11	74.16	0.00			
	04/05/01				32.00	74.27	0.00			
	05/03/01				32.08	74.19	0.00			
	06/02/01				32.32	73.95	0.00			
	07/10/01				32.72	73.55	0.00			
	10/02/01				32.53	73.74	0.00		1	
	01/28/02				31.92	74.35	0.00			
	02/25/02				31.16	75.11	0.00			
1	03/25/02				31.82	74.45	0.00		1	
	04/10/02				31.66	74.61	0.00			
	05/16/02				31.44	74.83	0.00			
	06/17/02				31.45	74.82	0.00			
	07/02/02				31.40	74.87	0.00			
	09/10/02				31.04	75.23	0.00			
1	10/08/02				31.22	75.05	0.00			
	11/08/02				31.16	75.11	0.00			
	01/28/03				30.99	75.28	0.00			
	04/02/03				30.88	75.39	0.00			
	05/10/03									
	06/26/03					7. - 2				
	07/08/03				31.48	74.79	0.00			
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03	1								
	12/18/03				32.43	73.84	0.00	L	L	

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Casing	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-7	01/21/04		1454	1111					Man Adding	
(cont.)	03/01/04						STATE OF THE PARTY			
	05/06/04	LPA SILE	A Contract			F 50	STELL NO.			
	05/21/04	THE RESTREET					17			
	06/03/04				30.70	75.57	0.00			
	06/18/04	ALC: FRINT			30.70	75.57	0.00		- 10 P F III	
	07/12/04				30.62	75.65	0.00			
	07/23/04	100			30.62	75.65	0.00			
	09/03/04		7 15		30.66	75.61	0.00			
	09/24/04	THE RESERVE	Total I		30.78	75.49	0.00			
	09/30/04				30.65	75.62	0.00		1	
	10/15/04				29.35	76.92	0.00			
	11/09/04				29.42	76.85	0.00		The street	
	11/19/04		and the second		29.36	76.91	0.00			
	12/07/04				28.98	77.29	0.00			
	12/17/04		Company of the same of		28.98	77.29	0.00			
	01/07/05				28.94	77.33	0.00			
	02/21/05				28.83	77.44	0.00			
	03/29/05				28.71	77.56	0.00			
	04/22/05		STREET, STREET		28.78	77.49	0.00		BINESS IN	
	05/06/05				28.57	77.70	0.00	ALC: THE		
	05/23/05				28.54	77.73	0.00			
	08/16/05				28.77	77.50	0.00			
	10/05/05		THE REAL PROPERTY.		28.27	78.00	0.00			
	11/18/05				28.04	78.23	0.00		EL THE VEST	

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-8	10/17/95	105.52	107.44	31.62	33.22	75.66	1.60			
	02/07/96									
	04/03/96				30.37	77.07	0.00			İ
	06/12/96			30.29	30.35	77.14	0.06			
	06/20/96				30.63	76.81	0.00			
	06/27/96				30.77	76.67	0.00			
	07/05/96		i		31.70	75.74	0.00			
	07/18/96				30.85	76.59	0.00			
	08/01/96				31.13	76.31	0.00			
	10/02/96				31.40	76.04	0.00			
	10/09/97				32.34	75.10	0.00			
	11/08/97	105.52	107.44		32.16	75.28	0.00		34.67	Absorptive Boom
	01/22/98				31.56	75.88	0.00	1.00	35.67	Absorptive Boom
	02/18/98				32.68	74.76	0.00	0.10	35.77	Absorptive Boom
	04/02/98		108.23		32.54	75.69	0.00	0.10	35.87	Absorptive Boom, Connected to SVE
	05/05/98				32.49	75.74	0.00	0.10	35.97	Absorptive Boom
	07/07/98				33.37	74.86	0.00	0.10	36.07	Absorptive Boom
	10/02/98				32.75	75.48	0.00	0.10	36.17	Absorptive Boom
	01/14/99				32.21	76.02	0.00		36.17	Absorptive Boom
	04/15/99				32.00	76.23	0.00		36.17	SVE System Activated
	07/13/99				31.50	76.73	0.00		36.17	SVE System
	08/11/99				31.95	76.28	0.00		36.17	SVE System
	09/22/99				31.85	76.38	0.00		36.17	SVE System
	10/28/99				31.55	76.68	0.00		36.17	SVE System
	11/23/99				31.62	76.61	0.00		36.17	SVE System
	12/17/99				31.65	76.58	0.00		36.17	SVE System
	01/13/00				32.57	75.66	0.00		36.17	SVE System
	02/15/00				31.51	76.72	0.00		36.17	SVE System
	03/31/00				32.60	75.63	0.00		36.17	SVE System
	04/27/00				32.52	75.71	0.00		36.17	PSH droplets present during purge
	05/31/00				33.02	75.21	0.00		36.17	SVE System down repaired on June2
	06/30/00]			33.10	75.13	0.00		36.17	SVE System down will repair
	07/13/00				32.58	75.65	0.00		36.17	SVE System repaired July 13

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-8	08/30/00				33.10	75.13	0.00		36.17	SVE System
(cont.)	09/21/00				33.50	74.73	0.00		36.17	SVE System
	10/03/00				33.63	74.60	0.00		36.17	SVE System
	11/29/00				33.07	75.16	0.00		36.17	SVE System
	12/13/00				33.22	75.01	0.00		36.17	SVE System
	01/03/01				33.18	75.05	0.00	·	36.17	SVE System
	02/06/01				33.05	75.18	0.00		36.17	SVE System
	03/15/01				32.91	75.32	0.00		36.17	SVE System
	04/05/01				32.80	75.43	0.00		36.17	SVE System
	05/03/01				32.87	75.36	0.00		36.17	SVE System
	06/02/01				33.12	75.11	0.00		36.17	SVE System
	07/10/01				33.92	74.31	0.00		36.17	SVE System
	10/02/01				33.92	74.31	0.00		36.17	SVE System
	01/28/02				32.73	75.50	0.00		36.17	SVE System
	02/25/02				32.65	75.58	0.00		36.17	SVE System
	03/25/02				32.65	75.58	0.00		36.17	SVE System
	04/10/02				32.43	75.80	0.00		36.17	SVE System
	05/16/02				32.25	75.98	0.00		36.17	SVE System
	06/17/02				32.31	75.92	0.00		36.17	SVE System
	07/02/02				32.26	75.97	0.00		36.17	SVE System
	09/10/02				32.27	75.96	0.00		36.17	SVE System
	10/08/02				32.20	76.03	0.00		36.17	SVE System
	11/08/02				32.07	76.16	0.00		36.17	SVE System
	01/28/03				32.00	76.23	0.00		36.17	SVE System
	04/02/03				31.75	76.48	0.00	l	36.17	SVE System
	05/10/03									
	06/26/03									
	07/08/03				32.45	75.78	0.00		36.17	SVE System
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03	1						ļ	1	
	12/18/03				33.36	74.87	0.00		36.17	SVE System

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)#	Depth to PSH Below Top of Casing (feet)	Below Top of	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-8	01/21/04				FE TO BE SEED OF				Call of about	
(cont.)	03/01/04		Calendaria			A PERMIT		Sec.		
	05/06/04				A DATE OF THE REAL PROPERTY.	Photo Inc.	Service Service			
	05/21/04		4501				William Control		W. Cash	
	06/03/04				31.68	76.55	0.00			
	06/18/04				31.66	76.57	0.00		BI STATE OF	
	07/12/04		100		31.56	76.67	0.00		With A Print	
	07/23/04				31.55	76.68	0.00		1 1 1 1 1 1 T	
	09/03/04	REPORT OF			31.62	76.61	0.00	100	Million Line	
	09/24/04	THE MELETINE	STATE OF THE		31.84	76.39	0.00		THE SHARE	
	09/30/04				31.57	76.66	0.00		TEAL VIEW	
	10/15/04				30.54	77.69	0.00		THE REAL PROPERTY.	
	11/09/04	11 12 2 2 2			30.60	77.63	0,00	F 10 A		
	11/19/04		SALES OF THE SALES		30.37	77.86	0.00		130	
	12/07/04				30.06	78.17	0.00			
	12/17/04				30.01	78.22	0.00		15 15 21 19	
	01/07/05				29.95	77.49	0.00			
	02/21/05		The Park of the Pa		29.71	77.73	0.00		1	
	03/29/05				29.56	77.88	0.00			
	04/22/05			B Valley	29.66	77.78	0.00	- 14 Pag	A P. A. B. S. S. S. S. S. S. S. S. S. S. S. S. S.	
	05/06/05				29.42	78.02	0.00		Street, St.	
	05/23/05				29.40	78.04	0.00		and West of	
	08/16/05	MENNY VE			29.62	77.82	0.00			
	10/05/05				29.16	78.28	0.00	W. J. P. W.	STATE OF THE PARTY	THE PERSON NAMED IN COLUMN TWO
	11/18/05				28.29	79.15	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-9	10/17/95	93.76	97.21		31.14	66.07	0.00			
	02/07/96				28.76	68.45	0.00			
	04/03/96				28.82	68.39	0.00			
	06/12/96								1	
	06/20/96									
	06/27/96				1					
	07/05/96									
	07/18/96				29.65	67.56	0.00			
	08/01/96									
	10/02/96				30.16	67.05	0.00			
1	10/09/97	00.74	07.01		30.19	67.02	0.00			N. POY
	11/08/97	93.76	97.21		20.70	(6.42	0.00			No PSH
	01/22/98 02/18/98				30.78	66.43	0.00			
	04/02/98				30.59	66.62	0.00			
	05/05/98				30.57	66.64	0.00			
	07/07/98				31.33	65.88	0.00			
	10/02/98				31.70	65.51	0.00			
	01/14/99				31.28	65.93	0.00			
	04/15/99				30.93	66.28	0.00			
	07/13/99				30.38	66.83	0.00			
	08/11/99		İ		30.89	66.32	0.00			
	09/22/99				30.06	67.15	0.00			
	10/28/99				30.42	66.79	0.00			
	11/23/99				30.58	66.63	0.00			
	12/17/99				30.62	66.59	0.00			
	01/13/00				30.64	66.57	0.00			
	02/15/00				30.69	66.43	0.00			
	03/31/00				30.75	66.46	0.00			
	04/27/00				30.66	66.55	0.00			
	05/31/00				31.06	66.15	0.00			
	06/30/00				27.43	69.78	0.00			
	07/13/00				27.33	69.88	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery	
MW-9	08/30/00									Well damaged by EPI, not able to access	1
(cont.)	09/21/00									Well damaged by EPI, not able to access	ı
İ	10/03/00									Well damaged by EPI, not able to access	I
	11/29/00									Well damaged by EPI, not able to access	
	12/13/00									Well damaged by EPI, not able to access	۱
	01/03/01									Well damaged by EPI, not able to access	۱
	02/06/01									Well damaged by EPI, not able to access	
	03/15/01									Well damaged by EPI, not able to access	
	04/05/01		96.16		30.29	65.87	0.00			Well replaced by EPI.	
	05/03/01				30.37	65.79	0.00				
	06/02/01				30.61	65.55	0.00				1
	07/10/01				30.86	65.30	0.00				
	10/02/01				30.29	65.87	0.00				
	01/28/02				30.21	65.95	0.00				
	02/25/02				30.20	65.96	0.00	ļ			
	03/25/02				30.10	66.06	0.00				
	04/10/02				29.70	66.46	0.00				
	05/16/02	ľ			29.51	66.65 66.51	0.00	i.	l		
	06/17/02 07/02/02				29.65 29.36	66.80	0.00		Ē		1
	09/10/02				29.36	67.33	0.00				
	10/08/02				29.13	67.03	0.00				
	11/08/02				28.65	67.51	0.00			į.	ı
	01/28/03				28.96	67.20	0.00				
	04/02/03				29.07	67.09	0.00				
	05/10/03				27.07	07.07	0.00				
	06/26/03	1					!				1
	07/08/03	1			29.63	66.53	0.00				
	08/20/03				27.03	00.55	0.00				
	09/30/03										
	10/31/03										
	11/12/03										
	12/18/03				30.71	65.45	0.00				

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-9	01/21/04							TEAR		
(cont.)	03/01/04	Manager St.	THE RES							
	05/06/04		18 P. L.		27.31	68.85	0.00			
	05/21/04		THE STREET		27.32	68.84	0.00			
	06/03/04				27.52	68.64	0.00			
	06/18/04		Fig. 1		27.62	68.54	0.00			
	07/12/04				27.58	68.58	0.00			
	07/23/04	The same			27.73	68.43	0.00		NI WILL	
	09/03/04	EFFNAN I			27.76	68.40	0.00			
	09/24/04		P. T. T.		28.10	68.06	0.00			
	09/30/04				27.86	68.30	0.00			
	10/15/04				25.19	70.97	0.00			
	11/09/04	The branch	TO STATE OF		25.52	70.64	0.00		Said Sudface	
	11/19/04		SILE IN		25.54	70.62	0.00			
	12/08/04				25.16	71.00	0.00			
	12/17/04				25.27	70.89	0.00			
	01/07/05	Mary Tables	1872 1	NO THE PARTY	25.44	70.72	0.00			
	02/21/05				25.76	70.40	0.00			
	03/29/05			CONTRACTOR OF THE PARTY OF THE	25.78	70.38	0.00		Half-Direction	THE STREET STREET
	04/22/05		THE RESERVE		25.98	70.18	0.00			
	05/06/05	THE REAL PROPERTY.	Marie Carlo		25.88	70.28	0.00		R. S. B. B. B. B. B. B. B. B. B. B. B. B. B.	
	05/23/05	THE WORLD			25.83	70.33	0.00			
	08/16/05	The World Co.	401 7 3 1		26.35	69.81	0.00		and the second	
	10/05/05				25.78	70.38	0.00	-		RESIDENCE TO SERVICE PARTY OF THE PARTY OF T
	11/18/05			THE RESERVE	25.61	70.55	0.00		THE RESERVE	

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-10	10/17/95	99.63	102.51		35.41	67.10	0.00			
	02/07/96				34.41	68.10	0.00			
	04/03/96				34.43	68.08	0.00			
	06/12/96									
	06/20/96									
	06/27/96								1	
	07/05/96								ł	
	07/18/96				35.22	67.29	0.00			
	08/01/96									
	10/02/96				34.79	67.72	0.00			
	10/09/97	20.62	102.51		34.72	67.79	0.00			
	11/08/97	99.63	102.51		26.46		0.00			No PSH
	01/22/98				36.46	66.05	0.00	į		
	02/18/98				26.25	(()(0.00			
	04/02/98				36.25	66.26	0.00			
	05/05/98				36.27	66.24	0.00			
	07/07/98 10/02/98				35.89	66.62	0.00			
	01/14/99				37.40 37.04	65.11 65.47	0.00 0.00			
	04/15/99				36.76	65.75	0.00			
	07/13/99				36.28	66.23	0.00			
	08/11/99				36.70	65.81	0.00			
	09/22/99				36.86	65.65	0.00			
	10/28/99				36.35	66.16	0.00			
	11/23/99				36.39	66.12	0.00			
	12/17/99				36.42	66.09	0.00			
	01/13/00				36.42	66.09	0.00			
	02/15/00				36.44	66.07	0.00			
	03/31/00				36.47	66.04	0.00			
	04/27/00				36.42	66.09	0.00			PSH droplets present during purge
	05/31/00				36.90	65.61	0.00			and barbo
	06/30/00				36.51	66.00	0.00			
	07/13/00				35.40	67.11	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-10	08/30/00				36.34	66.17	0.00			
(cont.)	09/21/00				36.81	65.70	0.00			
il	10/03/00				36.96	65.55	0.00			
	11/29/00				37.15	65.36	0.00			
11	12/13/00				37.04	65.47	0.00			
	01/03/01				37.08	65.43	0.00			
	02/06/01				36.98	65.53	0.00			
	03/15/01				36.90	65.61	0.00			
	04/05/01				36.83	65.68	0.00			
	05/03/01				36.90	65.61	0.00			
	06/02/01				37.14	65.37	0.00			
	07/10/01				37.44	65.07	0.00			
	10/02/01				37.05	65.46	0.00			
	01/28/02				36.82	65.69	0.00			
:	02/25/02				36.37	66.14	0.00		i	
	03/25/02	1			36.63	65.88	0.00			
	04/10/02				36.30	66.21	0.00			
	05/16/02				36.16	66.35	0.00			
	06/17/02				36.26	66.25	0.00			
	07/02/02				36.02	66.49	0.00			
	09/10/02				35.47	67.04	0.00		1	
	10/08/02				35.72	66.79	0.00			
	11/08/02				35.29	67.22	0.00			
	01/28/03				35.58	66.93	0.00			
	04/02/03				35.63	66.88	0.00			
	05/10/03		1							
	06/26/03									
	07/08/03	[[36.20	66.31	0.00			
	08/20/03								1	
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03			_	37.29	65.22	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-10	01/21/04							J. S.	and the same	
(cont.)	03/01/04 05/06/04					B. William			46-1	
	05/00/04	College State			34.35	68.16	0.00			
	06/03/04				34.40	68.11	0.00			
	06/18/04				34.43	68.08	0.00			
	07/12/04				34.38	68.13	0.00			
	07/23/04				34.42	68.09	0.00			
	09/03/04				34.65	67.86	0.00			
	09/24/04		ENDTO.		34.75	67.76	0.00			
	09/30/04	Park the last			33.62	68.89	0.00			
	10/15/04	- 6 9 1			32.40	70.11	0.00			
	11/09/04		THE PARTY NAMED IN		32.71	69.80	0.00			
	11/19/04				32.51	70.00	0.00			
	12/07/04		28 D H		32.26	70.25	0.00			
	12/17/04				32.32	70.19	0.00			
	01/07/05	NAME OF TAXABLE	-	CONTRACTOR OF THE PARTY OF THE	32.26	70.25	0.00	Section 1		
	02/21/05	THE REAL PROPERTY.			32.39	70.12	0.00			
	03/29/05				34.40	68.11	0.00			
	04/22/05	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000	THE RESERVE	33.52	68.99	0.00	- WER	BASHER ST	
	05/06/05	SALES OF SALES	100000000000000000000000000000000000000		32.40	70.11	0.00	May be to	THE REAL PROPERTY.	
	05/23/05				32.38	70.13	0.00			
	08/16/05				32.76	69.75	0.00			
	10/05/05		DESCRIPTION OF THE PERSON OF T		32.28	70.23	0.00			the state of the state of
	11/18/05				32.12	70.39	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-11	10/17/95	104.48	105.62	32.33	32.48	73.28	0.15		<u>_</u>	
	02/07/96			31.66	32.31	73.90	0.65			
	04/03/96			31.40	32.13	74.15	0.73			
	06/12/96			31.76	32.07	73.83	0.31			
	06/20/96			31.91	31.96	73.71	0.05			
	06/27/96				31.78	73.84	0.00			
	07/05/96				32.12	73.50	0.00			
	07/18/96				32.12	73.50	0.00			
	08/01/96				32.37	73.25	0.00			
	10/02/96			32.47	33.14	73.08	0.67			
	10/09/97				32.47	73.15	0.00			
	11/08/97	104.48	105.62		32.47	73.15	0.00		17.49	Absorptive Boom
	01/22/98		1		32.18	73.44	0.00		17.49	Absorptive Boom
	02/18/98			32.79	32.99	72.81	0.20	1.00	18.49	Absorptive Boom
	04/02/98			32.71	33.48	72.83	0.77	2.00	20.49	Absorptive Boom/Hand Bail
	05/05/98			32.56	33.71	72.95	1.15	2.50	22.99	Absorptive Boom/Hand Bail
	07/07/98			33.20	34.92	72.25	1.72	3.00	25.99	Absorptive Boom/Hand Bail
	10/02/98			33.00	33.75	72.55	0.75	1.50	27.49	Absorptive Boom/Hand Bail
	01/14/99			33.40	33.69	72.19	0.29		27.49	
	04/15/99			32.85	33.53	72.70	0.68		27.49	
	07/13/99			32.43	34.20	73.01	1.77	3.00	30.49	Hand Bail
	08/11/99			32.73	34.89	72.67	2.16	3.50	33.99	Hand Bail
	09/22/99			32.85	33.77	72.68	0.92	0.50	34.49	Absorptive Boom/Hand Bail
	10/28/99			32.78	33.27	72.79	0.49	0.25	34.74	Absorptive Boom/Hand Bail
	11/23/99			32.60	33.53	72.93	0.93	1.00	35.74	Absorptive Boom/Hand Bail
	12/17/99			32.70	33.26	72.86	0.56	1.00	36.74	Absorptive Boom/Hand Bail
	01/13/00			32.70	33.26	72.86	0.56	0.25	36.99	Absorptive Boom/Hand Bail
	02/15/00			32.73	33.55	72.81	0.82	0.50	37.49	Absorptive Boom/Hand Bail
	03/31/00			32.84	33.73	72.69	0.89	0.50	37.99	Absorptive Boom/Hand Bail
	04/27/00			32.52	33.35	73.02	0.83	0.50	38.49	Absorptive Boom/Hand Bail
	05/31/00			33.12	34.33	72.38	1.21	1.00	39.49	Absorptive Boom/Hand Bail
	06/30/00			33.51	33.81	72.08	0.30	0.25	39.74	Absorptive Boom/Hand Bail
	07/13/00				33.24	72.38	0.00	0.25	39.99	Absorptive Boom

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-11	08/30/00				33.43	72.19	0.00	0.25	40.24	Absorptive Boom
(cont.)	09/21/00	1			33.75	71.87	0.00	0.25	40.49	Absorptive Boom
	10/03/00				33.73	71.89	0.00	0.00	40.49	Absorptive Boom
	11/29/00				33.55	72.07	0.00	0.25	40.74	Absorptive Boom
	12/13/00		ł		33.30	72.32	0.00	0.00	40.74	Absorptive Boom
	01/03/01				33.28	72.34	0.00	0.00	40.74	Absorptive Boom
	02/06/01		1		33.26	72.36	0.00	0.25	40.99	Absorptive Boom
	03/15/01				33.20	72.42	0.00	0.25	41.24	Absorptive Boom
	04/05/01				33.10	72.52	0.00	0.25	41.49	Absorptive Boom
	05/03/01				33.17	72.45	0.00	0.25	41.74	Absorptive Boom
	06/02/01				33.40	72.22	0.00	0.25	41.99	Absorptive Boom
	07/10/01			33.94	34.08	71.67	0.14	0.25	41.99	Absorptive Boom
	10/02/01	1		33.93	33.94	71.69	0.01	0.25	42.24	Absorptive Boom
	01/28/02			33.10	33.13	72.52	0.03	0.25	42.24	Absorptive Boom
	02/25/02				32.97	72.65	0.00	0.25	42.49	Absorptive Boom
	03/25/02				32.94	72.68	0.00	0.25	42.49	Absorptive Boom
	04/10/02				32.83	72.79	0.00	0.25	42.74	Absorptive Boom
	05/16/02			32.69	32.75	72.92	0.06	0.25	42.74	Absorptive Boom
	06/17/02			32.71	32.95	72.89	0.24	0.25	42.99	Absorptive Boom
	07/02/02			32.61	32.72	73.00	0.11	0.25	42.99	Absorptive Boom
	09/10/02			33.12	33.22	72.49	0.10	0.00	42.99	Absorptive Boom
	10/08/02			33.09	33.38	72.50	0.29	0.50	43.49	Skimmer
	11/08/02			33.45	33.61	72.15	0.16	0.50	43.49	
	01/28/03	ľ		32.67	32.76	72.94	0.09	0.50	43.99	
	04/02/03				32.13	73.49	0.00	0.00	43.99	
	05/10/03				32.21	73.41	0.00	0.50	44.49	Absorptive Boom
	06/26/03				32.41	73.21	0.00	0.50	44.99	Absorptive Boom
	07/08/03	ľ	1		32.75	72.87	0.00	0.25	45.24	Absorptive Boom
	08/20/03				32.77	72.85	0.00	0.25	45.49	Absorptive Boom
	09/30/03								· ·	· · · · · ·
	10/31/03				32.88	72.74	0.00	0.25	45.74	Absorptive Boom
	11/12/03									200
	12/17/03		j		33.98	71.64	0.00	0.25	45.99	Absorptive Boom

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Casing	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-11	01/21/04	* Secondaria			34.02	71.60	0.00	0.00	45.99	Absorptive Boom (Changed Out)
(cont.)	03/01/04				33.45	72.17	0.00	0.00	45.99	Absorptive Boom
	05/06/04				31.88	73.74	0.00	0.00	45.99	Absorptive Boom
	05/21/04	THE THE			31.88	73.74	0.00	0.00	45.99	Absorptive Boom
	06/03/04	AU PUNC	and the		31.70	73.92	0.00	0.00	45.99	Absorptive Boom
	06/18/04				31.54	74.08	0.00	0.00	45.99	Absorptive Boom
	07/12/04		A STATE OF		31.48	74.14	0.00	0.00	45,99	Absorptive Boom (Changed Out)
	07/23/04				31.57	74.05	0.00	0.00	45.99	Absorptive Boom
	09/03/04				31.56	74.06	0.00	0.00	45.99	Absorptive Boom (Changed Out)
	09/24/04				31.60	74.02	0.00	0.00	45.99	Absorptive Boom
	09/30/04	A DESCRIPTION			31.46	74.16	0.00	0.00	45.99	Absorptive Boom (Changed Out)
	10/15/04		1 10		30.80	74.82	0.00	0.00	45.99	Absorptive Boom
	11/09/04		Part of the second		30.40	75.22	0.00	0.00	45.99	Absorptive Boom (Changed Out)
	11/19/04		Charle III		30.33	75.29	0.00	0.00	45.99	Absorptive Boom
	12/07/04	RESTAR	THE RESERVE		30.07	75.55	0.00	0.00	45.99	
	12/17/04				29.94	75.68	0.00	0.00	45.99	Absorptive Boom (Changed Out)
	01/07/05		The second second	HATTER S	29.74	75.88	0.00	0.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Absorptive Boom
	02/21/05		A CHEST OF THE		29.55	76.07	0.00	0.00	USE EVENT	Absorptive Boom
	03/29/05		12 Mary 2 / Lyck		29.43	76.19	0.00	0.00		
	04/22/05	-	DESCRIPTION OF THE PARTY OF THE	TO SHARE THE REAL PROPERTY.	29.47	76.15	0.00	0.00	S AT U. DES	Absorptive Boom (Changed Out)
	05/06/05	S S RESTRICT			29.25	76.37	0.00	0.00		
	05/23/05	Charles In			29.37	76.25	0.00	0.00		
	08/16/05				29.62	76.00	0.00	0.00		
	10/05/05		EL BUILDING		29.38	76.24	0.00	0.00	3313131	THE RESERVE WHEN THE PARTY OF
	11/18/05				29.20	76.42	0.00	0.00	DIE VIII	The same of the sa

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery	
MW-12	10/17/95	Not Surveyed	103.90		32.41	71.49	0.00			-	
	02/07/96				31.00	72.90	0.00				- 1
	04/03/96				30.91	72.99	0.00				
	06/12/96										j
	06/20/96										
	06/27/96										- 1
	07/05/96										
	07/18/96				31.70	72.20	0.00				
	08/01/96										
	10/02/96				32.20	71.70	0.00				
	10/09/97				32.29	71.61	0.00				l
	11/08/97	Not Surveyed	103.90			1				No PSH	
	01/22/98				32.62	71.28	0.00				
	02/18/98				32.48	71.42	0.00				
	04/02/98				32.25	71.65	0.00				
	05/05/98				32.42	71.48	0.00				
	07/07/98				33.33	70.57	0.00				
	10/02/98 01/14/99				33.34 32.68	70.56 71.22	0.00 0.00				
	04/15/99				32.68	71.22	0.00		[
	07/13/99				32.42	71.46	0.00				
	08/11/99	İ			32.62	71.01	0.00				
	09/22/99				32.50	71.40	0.00				
	10/28/99				32.06	71.84	0.00				
	11/23/99				32.04	71.86	0.00				
	12/17/99				30.05	73.85	0.00				
	01/13/00				32.03	71.87	0.00				
	02/15/00				32.05	71.85	0.00				
	03/31/00				32.06	71.84	0.00				
	04/27/00				32.02	71.88	0.00				
	05/31/00				32.66	71.24	0.00				
	06/30/00				32.66	71.24	0.00				
l	07/13/00				32.16	71.74	0.00				

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-12	08/30/00				32.48	71.42	0.00			
(cont.)	09/21/00				32.85	71.05	0.00			
	10/03/00				32.95	70.95	0.00			
1	11/29/00	:			32.74	71.16	0.00			
	12/13/00				32.63	71.27	0.00		ļ	
	01/03/01				32.56	71.34	0.00		ľ	
	02/06/01				32.48	71.42	0.00			
	03/15/01				32.38	71.52	0.00			
	04/05/01				32.27	71.63	0.00			
	05/03/01				32.33	71.57	0.00			
l	06/02/01				32.55	71.35	0.00			
1	07/10/01				33.11	70.79	0.00			
1	10/02/01				32.99	70.91	0.00			
1	01/28/02				32.24	71.66	0.00			
	02/25/02				32.17	71.73	0.00			
	03/25/02				32.14	71.76	0.00			
l	04/10/02				32.01	71.89	0.00		ļ	
	05/16/02	·			32.09	71.81	0.00			
	06/17/02				32.01	71.89	0.00			
	07/02/02				31.94	71.96	0.00			
	09/10/02				31.48	72.42	0.00			
	10/08/02				31.60	72.30	0.00			
	11/08/02				31.52	72.38	0.00			
	01/28/03				31.27	72.63	0.00			
1	04/02/03				31.25	72.65	0.00			
	05/10/03									
	06/26/03									
	07/08/03		1		31.97	71.93	0.00			
	08/20/03									
	09/30/03							1		
	10/31/03									
	11/12/03				}				1	
	12/18/03				32.81	71.09	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-12	01/21/04	Transaction (19 10	TO SESSION			-		
(cont.)	03/01/04	A STATE OF THE SECOND				CORP. Married				
	05/06/04				30.94	72.96	0.00			
	05/21/04				30.95	72.95	0.00			
	06/03/04				30.84	73.06	0.00		Mary and	
	06/18/04				30.81	73.09	0.00			
	07/12/04				30.71	73.19	0.00			
	07/23/04				30.71	73.19	0.00			
	09/03/04				30.68	73.22	0.00			
	09/24/04				30.71	73.19	0.00		THE PROPERTY.	
	09/30/04				30.60	73.30	0.00			
	10/15/04				29.90	74.00	0.00			
	11/09/04	To the second	San San San San San San San San San San		29.53	74.37	0.00			
	11/19/04				29.41	74.49	0.00			
	12/07/04				29.09	74.81	0.00		12-23-6-17	
	12/17/04				28.97	74.93	0.00		J.R. Carrie	
	01/07/05	THE RESERVE			28,82	75.08	0.00			
	02/21/05				28.68	75.22	0.00			
	03/29/05				28.62	75.28	0.00		WHEE FIRE	
	04/22/05	PINTER	SPECIFICATION		28.64	75.26	0.00			
	05/06/05				28.57	75.33	0.00			
	05/23/05				28.56	75.34	0.00			
	08/16/05				28.74	75.16	0.00		STELL STELL	
	10/05/05	THE REAL PROPERTY.			28.47	75.43	0.00			
	11/18/05				28.30	75.60	0.00		THE RESTAU	

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-13	10/17/95	Not Surveyed	103.89		32.61	71.28	0.00			
	02/07/96				28.75	75.14	0.00			
	04/03/96				28.61	75.28	0.00			
	06/12/96									
	06/20/96									
	06/27/96									
	07/05/96									
	07/18/96				29.69	74.20	0.00			
	08/01/96									
	10/02/96				31.21	72.68	0.00			
	10/09/97				30.61	73.28	0.00			
	11/08/97	Not Surveyed	103.89							No PSH
	01/22/98				30.25	73.64	0.00			
	02/18/98				30.11	73.78	0.00			
	04/02/98				29.99	73.90	0.00			
	05/05/98			ı	29.99	73.90	0.00			
	07/07/98				30.99	72.90	0.00			
	10/02/98				31.27	72.62	0.00			
	01/14/99				30.60	73.29	0.00			
	04/15/99				30.35	73.54	0.00			
	07/13/99				30.21	73.68	0.00			
	08/11/99				30.58	73.31	0.00			
	09/22/99				30.37	73.52	0.00 0.00			
	10/28/99				30.10	73.79	0.00			
	11/23/99 12/17/99				30.06 28.58	73.83 75.31	0.00			
	01/13/00				30.05	73.84	0.00			
	02/15/00				30.03	73.86	0.00			
	03/31/00				30.05	73.83	0.00			
	04/27/00				30.00	73.87	0.00			
	05/31/00				30.66	73.23	0.00			
	06/30/00				30.76	73.13	0.00			
	07/13/00		1		30.33	73.56	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-13	08/30/00				30.80	73.09	0.00			
(cont.)	09/21/00			!	31.14	72.75	0.00			
	10/03/00		1		31.23	72.66	0.00			
	11/29/00				30.81	73.08	0.00			
	12/13/00				30.79	73.10	0.00			
	01/03/01				30.63	73.26	0.00			
İ	02/06/01				30.52	73.37	0.00			
	03/15/01				30.41	73.48	0.00			
	04/05/01				30.30	73.59	0.00			
	05/03/01				30.37	73.52	0.00			
	06/02/01				30.61	73.28	0.00			
	07/10/01				31.30	72.59	0.00			
	10/02/01	J			31.05	72.84	0.00	j]	
	01/28/02				30.30	73.59	0.00			
	02/25/02				30.21	73.68	0.00			
	03/25/02				30.17	73.72	0.00			
	04/10/02				30.01	73.88	0.00			
	05/16/02				29.83	74.06	0.00			
	06/17/02				29.90	73.99	0.00			
	07/02/02				29.89	74.00	0.00	ĺ		
	09/10/02				29.69	74.20	0.00			
	10/08/02				29.83	74.06	0.00			
	11/08/02				29.65	74.24	0.00	1		
	01/28/03				29.41	74.48	0.00			
	04/02/03				29.30	74.59	0.00			
	05/10/03									
	06/26/03									
	07/08/03				30.13	73.76	0.00			
	08/20/03				ŀ					
	09/30/03]		İ				1	
1	10/31/03									
	11/12/03									
	12/18/03				30.88	73.01	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Surface	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-13	01/21/04				Manual To	allel sale				
(cont.)	03/01/04							The Contract	A STATE OF	
	05/06/04				29.27	74.62	0.00		PAGE 1	
	05/21/04				29.09	74.80	0.00		ALL RANGE	
	06/03/04				29.08	74.81	0.00			
	06/18/04		MESTICAL LA		29.10	74.79	0.00		FEBRUAR.	
	07/12/04				29.12	74.77	0.00			
	07/23/04				29.17	74.72	0.00			
	09/03/04	The Land			29.19	74.70	0.00			
	09/24/04				29.27	74.62	0.00			
	09/30/04				29.13	74.76	0.00			
	10/15/04		ALLE TO B		28.46	75.43	0.00		THE WAR	
	11/09/04		A THE STATE OF		28.14	75.75	0.00			
	11/19/04		A E POR		27.44	76.45	0.00			
	12/07/04				27.68	76.21	0.00			
	12/17/04				27.60	76.29	0.00			
	01/07/05	TO DESCRIPTION OF THE PARTY OF			27.39	76.50	0.00		NO. HOLE SAME	
	02/21/05		FARTHER SAN		27.16	76.73	0.00			
	03/29/05				26.97	76.92	0.00			
	04/22/05		THE RESIDENCE OF		26.94	76.95	0.00		A 10 10 10 10 10 10 10 10 10 10 10 10 10	
	05/06/05				26.80	77.09	0.00			
	05/23/05	THE RES		PER RELIGIO	26.80	77.09	0.00	THE BIRT	THE STREET	
	08/16/05				27.18	76.71	0.00		No the late of	
	10/05/05		SVIP SERVED	DISE STATE	26.82	77.07	0.00		THE RESIDEN	
	11/18/05		THE PERSON		26.58	77.31	0.00			

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-1	10/17/95	Not Surveyed	106.40							
	02/07/96									
	04/03/96	ļ		27.36	27.37	79.03	0.01			
	06/12/96									
	06/20/96									
	06/27/96									
	07/05/96									
	07/18/96				28.25	78.15	0.00			
	08/01/96				28.47	77.93	0.00			
	10/02/96									
	10/09/97				27.37	79.03	0.00			
	11/08/97	Not Surveyed	106.40				0.00			SVE System
	01/22/98				27.37	79.03	0.00			SVE System
	02/18/98				30.87	75.53	0.00			SVE System
	04/02/98				30.78	75.62	0.00			
	05/05/98			21.54	30.68	75.72	0.00			
	07/07/98			31.54	31.82	74.83	0.28			
	10/02/98 01/14/99			31.85 31.18	32.01	74.53 75.22	0.16 0.02			
	04/15/99			31.18	31.20 31.07	75.22 75.35	0.02			SVE System Activated
	07/13/99			31.03	30.16	75.33 76.24	0.02			SVE System Activated SVE System
	08/11/99				31.09	75.31	0.00			SVE System
	09/22/99				29.73	76.67	0.00		į.	SVE System
	10/28/99				30.69	75.71	0.00			SVE System
	11/23/99				30.72	75.68	0.00			SVE System
	12/17/99				28.58	77.82	0.00			SVE System
	01/13/00				30.80	75.60	0.00			SVE System
	02/15/00				28.03	78.37	0.00			SVE System
	03/31/00				30.82	75.58	0.00		1	SVE System
	04/27/00				30.74	75.66	0.00			SVE System
	05/31/00				31.22	75.18	0.00			SVE System down/Repaired on June 2
	06/30/00				31.30	75.10	0.00			SVE System down will repair
	07/13/00				30.79	75.61	0.00			SVE System repaired July 13

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery	
RW-1	08/30/00				30.69	75.71	0.00			SVE System	٦
(cont.)	09/21/00				31.72	74.68	0.00			SVE System	
	10/03/00				31.85	74.55	0.00			SVE System	ľ
	11/29/00				32.09	74.31	0.00			SVE System	1
	12/13/00				32.22	74.18	0.00			SVE System	
	01/03/01				31.40	75.00	0.00			SVE System	
1	02/06/01				31.42	74.98	0.00			SVE System	ı
	03/15/01				31.24	75.16	0.00			SVE System	i
	04/05/01				31.00	75.40	0.00			SVE System	
	05/03/01				31.09	75.31	0.00			SVE System	
	06/02/01				31.33	75.07	0.00			SVE System	
	07/10/01				32.00	74.40	0.00			SVE System	
	10/02/01				31.94	74.46	0.00			SVE System	
ļ	01/28/02				30.96	75.44	0.00	1		SVE System	
	02/25/02				30.89	75.51	0.00			SVE System	
	03/25/02				30.90	75.50	0.00			SVE System	
	04/10/02				30.68	75.72	0.00			SVE System	
	05/16/02				30.49	75.91	0.00	ļ		SVE System	
	06/17/02				30.56	75.84	0.00	1		SVE System	
	07/02/02				30.51	75.89	0.00			SVE System	
	09/10/02				30.65	75.75	0.00			SVE System	
	10/08/02				30.43	75.97	0.00			SVE System	
	11/08/02	}			30.31	76.09	0.00	l .		SVE System	
	01/28/03				30.16	76.24	0.00	ĺ		SVE System	
ļ	04/02/03				30.00	76.40	0.00			SVE System	
	05/10/03										
	06/26/03										
	07/08/03				30.69	75.71	0.00			SVE System	
	08/20/03							1			
1	09/30/03							1	1		
	10/31/03										
	11/12/03										
	12/18/03				31.68	74.72	0.00	1		SVE System	

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-1	01/21/04		Tall To	THE PLAN	THE STATE OF	The Part of the		S. Harriston		
(cont.)	03/01/04		TO THE							
	05/06/04	1 1 2 1 5 1								
	05/21/04				-800 -210		No other land			
	06/03/04				29.40	77.00	0.00			
	06/18/04		FUR STORY		29.38	77.02	0.00		A SECTION AND ADDRESS OF THE PARTY OF THE PA	
	07/12/04				29.28	77.12	0.00			
	07/23/04				29.29	77.11	0.00			
	09/03/04				29.32	77.08	0.00			
	09/27/04				29.47	76.93	0.00			
	09/30/04				29.22	77.18	0.00		THE LUIS	
	10/15/04				28.20	78.20	0.00			Absorptive Boom
	11/09/04	The Call of the Call			28.15	78.25	0.00			Absorptive Boom (changed out)
	11/19/04				28.05	78.35	0.00			
	12/07/04		10.1510.571		27.81	78.59	0.00			Absorptive Boom
	12/17/04				27.79	78.61	0.00		11 1 2 2 119	Markinia - Markinia in
	01/07/05				27.71	78.69	0.00			Changed Absorption Boom
	02/21/05				27.46	78.94	0.00	200		
	03/29/05		A THE WAY		27.34	79.06	0.00			
	04/22/05		TO THE REAL PROPERTY.		27.45	78.95	0.00		12000	With the same of t
	05/06/05		AL STATE		27.23	79.17	0.00			
	05/23/05				27.21	79.19	0.00	THE PARTY.		
	08/16/05				27.35	79.05	0.00			
	10/05/05				26.90	79.50	0.00			
	11/18/05	CONTRACTOR OF THE PARTY	Balling - 10		26.60	79.80	0.00	- Palle		

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well Da	ate Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery	
RW-2	10/17/95	Not Surveyed	106.65								
(02/07/96										ı
II I	04/03/96			28.75	28.93	77.88	0.18				- 1
	06/12/96										
II 1	06/20/96				'						
	06/27/96										- 1
	07/05/96										
II I	07/18/96			29.66	29.81	76.98	0.15				
	08/01/96				30.14	76.51	0.00				İ
II 1	10/02/96			29.60	29.80	77.03	0.20				
ii	10/09/97			29.60	29.80	77.03	0.20				ı
	11/08/97	Not Surveyed	106.65							SVE System	
,, ,	01/22/98		1	29.60	29.80	77.03	0.20			SVE System	
	02/18/98				30.12	76.53	0.00			SVE System	
	04/02/98			30.02	30.11	76.62	0.09				
11	05/05/98			30.08	30.11	76.57	0.03				
11 1	07/07/98			30.85	31.10	75.78	0.25				
	10/02/98			31.49	31.52	75.16	0.03				
11	01/14/99			30.62	30.75	76.02	0.13				ı
II I	04/15/99			30.34	30.55	76.29	0.21			SVE System Activated	
	07/13/99				29.70	76.95	0.00			SVE System	
	08/11/99			28.54	28.55	78.11	0.01			SVE System	
	09/22/99			30.47	30.48	76.18	0.01			SVE System	1
K 1	10/28/99			30.10	30.11	76.55	0.01		1	SVE System	
11	11/23/99				28.82	77.83	0.00	i		SVE System	
ii I	12/17/99		1		30.10 23.72	76.55	0.00 0.00			SVE System	
II I	01/13/00				30.09	82.93 76.56	0.00			SVE System	
II I	02/15/00 03/31/00				30.09	76.56 76.53	0.00			SVE System SVE System	
Et I	03/31/00	[30.03	30.12	76.53 76.62	0.00				
						76.62	0.01			SVE System SVE System down/Repaired on June 2	
1		}									
II I				30. 4 1							
	05/31/00 06/30/00 07/13/00		:	30.50 30.41	30.51 30.50 30.42	76.15 76.23 76.23	0.01 0.09 0.00			SVE System down/Repaired SVE System down placed b SVE System repaired July 1	oom in well

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-2	08/30/00				31.31	75.34	0.00			SVE Systerm
(cont.)	09/21/00			31.09	31.11	75.56	0.02			SVE System
	10/03/00			31.23	31.25	75.42	0.02			SVE System
	11/29/00			30.93	30.98	75.72	0.05			SVE System
	12/13/00				31.03	75.62	0.00			SVE System
	01/03/01			31.04	31.09	75.61	0.05			SVE System
	02/06/01				30.55	76.10	0.00			SVE System
	03/15/01				30.41	76.24	0.00			SVE System
	04/05/01		İ		30.30	76.35	0.00			SVE System
	05/03/01				30.38	76.27	0.00			SVE System
	06/02/01				30.62	76.03	0.00			SVE System
	07/10/01			31.99	32.00	74.66	0.01			SVE System
	10/02/01			31.02	31.10	75.62	0.08			SVE System
	01/28/02		1	30.23	30.25	76.42	0.02			SVE System
	02/25/02				33.48	73.17	0.00			SVE System
	03/25/02				33.17	73.48	0.00			SVE System
	04/10/02				29.99	76.66	0.00			SVE System
	05/16/02				32.97	73.68	0.00			SVE System
	06/17/02				29.80	76.85	0.00			SVE System
	07/02/02				29.75	76.90	0.00			SVE System
	09/10/02				29.60	77.05	0.00			SVE System
	10/08/02				29.73	76.92	0.00			SVE System
	11/08/02				29.64	77.01	0.00			SVE System
	01/28/03				29.51	77.14	0.00			SVE System
	04/02/03				29.34	77.31	0.00			SVE System
	05/10/03							1		
	06/26/03									
	07/08/03				29.94	76.71	0.00			SVE System
	08/20/03					1				
	09/30/03									
	10/31/03									1
	11/12/03]				1			
	12/18/03				30.90	75.75	0.00			SVE System

RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

PLAINS ALL AMERICAN PIPELINE, L.P. LEA STATION LEA COUNTY, NEW MEXICO

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-2	01/21/04			HE DEBI	100000	MC SUBVILLE	Partie Au	E MAIR		
(cont.)	03/01/04		Japan Sully			THE BUT OF THE	THE PERSON NAMED IN			
	05/06/04	100								
	05/21/04									
	06/03/04	MARKET THE			29.25	77,40	0.00			
	06/18/04				29.20	77.45	0.00			
	07/12/04		The second		29.14	77.51	0.00			
	07/23/04		1/2/16		29.13	77.52	0.00			
	09/03/04		DILL TOTAL PAR		29.08	77.57	0.00			
	09/24/04				29.30	77.35	0.00			White State of the State of
	09/30/04	THE WORLD			28.36	78.29	0.00			
	10/15/04				27.85	78.80	0.00			
	11/09/04		SET SOL		27.97	78.68	0.00			
	11/19/04				27.91	78.74	0.00			
	12/07/01		eventue : th		27.40	79.25	0.00	Manager Land		
	12/17/04				28.53	78.12	0.00	Buddanie		Absorbtive boom
	01/07/05		THE PLANE OF THE PARTY		27.37	79.28	0.00		The state of the s	Changed Absorption Boom
	02/21/05	THE WHITE			27.23	79.42	0.00			Absorption Boom
	03/29/05				26.96	79.69	0.00			
	04/22/05		STATE OF THE PARTY.		27.09	79.56	0.00	FWI IS A	STATISTICS OF THE PARTY OF THE	
	05/06/05		HE I TO		27.04	79.61	0.00		THE REAL PROPERTY.	
	05/23/05	Name of the last			27.01	79.64	0.00			
	08/16/05	Hudbert H			27.09	79.56	0.00			
	10/05/05		THE REAL PROPERTY.		26.62	80.03	0.00		A STATE OF THE PARTY OF	A THE RESIDENCE OF THE PARTY OF
	11/18/05				26.41	80.24	0.00		Beals of the	

^{*} Measured from a relative datum (benckmark = 100 feet).

Note 1: Total recovery:

101.61

gallons by manual means.

Note 2: The SVE System blower failed on 3/12/98. The system was reactivated on 4/15/99.

^{**} Correction Equation for Phase-Separated Hydrocarbons: Corrected Groundwater Elevation = Top of Casing Elevation - [Depth to Water Below Top of Casing - (SG)(PSH Thickness)]. Specific Gravity (SG) = 0.9 for crude oil.

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Nylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH						
MW-1	10/17/95				led due to the P	resence of Phas	e-Separated H	ydrocarbons							
	02/07/96			Not Samp	led due to the P	resence of Phas	e-Separated Hy	ydrocarbons							
	04/03/96					Not Sampled									
	07/18/96					Not Sampled									
	10/02/96	0.29	<0.003	0.12	< 0.003	0.41									
	10/09/97					Not Sampled									
	01/22/98 05/05/98					Not Sampled Not Sampled									
	07/08/98					Not Sampled									
	10/02/98					Not Sampled									
	01/14/99					Not Sampled									
	04/15/99					Not Sampled									
	01/13/00					Not Sampled									
	04/28/00					Not Sampled									
	10/06/00					Not Sampled									
	01/03/01			70171		Not Sampled									
	04/05/01					Not Sampled									
	07/10/01					Not Sampled									
	10/03/01					Not Sampled									
	01/28/02 04/10/02					Not Sampled Not Sampled									
	07/02/02					Not Sampled									
	10/08/02					Not Sampled			_						
	01/29/03					Not Sampled									
	04/02/03	0.372	ND	0.0981	0.0403	0.5104									
	07/08/03					Not Sampled									
	12/18/03	0.403	ND	0.076	0.020	0.499									
	05/06/04	0.263	< 0.001	0.050	0.012	0.325	1.05	14.7	15.75						
	07/23/04						The state of the s								
	09/30/04	Not Sampled due to the Presence of Phase-Separated Hydrocarbons													
	12/17/04	0.097	<0.001	0.011	0.012	0.120									
	03/29/05	0.265	<0.001	0.031	0.019	0.315									
	08/16/05	0.283	<0.001	0.046	0.031	0.360									
	11/18/05	0.100	<0.001	0.035	0.023	0.158									
MW-2	10/17/95			Not Sampl	led due to the Pr	resence of Phase	e-Separated Hy	drocarbons							
	02/07/96				led due to the Pr										
	04/03/96				led due to the Pi										
	07/18/96			Not Sampl	led due to the Pr	resence of Phase	e-Separated Hy	drocarbons	=14						
	10/02/96			Not Sampl	led due to the Pr	resence of Phase	e-Separated Hy	drocarbons							
	10/09/97					Not Sampled									
	01/22/98					Not Sampled									
	05/05/98					Not Sampled									
	07/08/98 10/02/98					Not Sampled Not Sampled									
	01/14/99					Not Sampled									
	04/15/99					Not Sampled									
	01/13/00					Not Sampled									
1 2	04/28/00					Not Sampled	-								
	10/06/00					Not Sampled									
	01/03/01					Not Sampled									
	04/05/01					Not Sampled									
	07/10/01					Not Sampled									
	10/03/01			Max Page	ed due to the D	Not Sampled	Consess C. C.	In anti-							
	01/28/02 04/10/02				ed due to the Pr	The state of the s		The state of the s							
	07/02/02				ed due to the Pr ed due to the Pr										
	10/08/02				ed due to the Pr										
367	01/29/03				ed due to the Pr										
	04/02/03				ed due to the Pr										
	07/08/03				ed due to the Pr										
100	12/18/03				ed due to the Pr				14 1 1 1 1						
	05/06/04				ed due to the Pr										
					ed due to the Pr										

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-2	09/30/04	0.638	0.065	0.379	0.841	1.92	20.5	70.7	91.2
(cont.)	12/17/04	0.482	0.022	0.442	0.779	1.72			
	3/29/05	0/357	0.0396	0.155	0.206	0.76			
	5/23/05					resence of Phas	-Separated H	ydrocarbons	
	08/16/05	0.422	<0.001	0.172	0.202	0.80			
MW-3	02/16/93	2,500	0.010	0.370	0,640	3.520			
M 11-3	10/17/95	2.000	ND	0.120	0.120	2.240			
	10/02/96	1.900	ND	0.320	ND	2.220			
	04/10/97	1.000	ND	0.290	ND	1.290		7 = 3 = 3	
	10/09/97	1.500	ND	0.280	0.028	1.808			
	05/05/98	1.200	ND	0.130	0.012	1.342			
	04/15/99					resence of Phase	e-Separated H	ydrocarbons	
	04/28/00	2.800	ND	0.190	ND:	2.990			
	04/10/02	1.470	0.006	0.341	0.399	2.220			
	01/29/03 04/02/03	NS 1.540	NS ND	NS 0.213	NS 0.0815	NS 1.835			
	07/08/03	3.070	1802	0.213	0,001.5	Not Sampled			
	12/18/03	0.959	ND	0.039	0.0072	1.01			
	05/06/04	0.803	< 0.001	0.132	0.047	0.982	2.71	7.51	10.22
	07/23/04			Not Sample	ed due to the P	resence of Phase	-Separated H	ydrocarbons	
	09/30/04	1.45	0.003	0.176	0.0761	1.71	3.41	<0.5	3:41
	12/17/04	< 0.001	< 0.001	<0.001	< 0.003	<0.006			
	03/29/05	11.962	<0.001	c0.001	<0.003	0.962			
	05/23/05	0.007	<0.001	<0.001	<0.003	0.007			
	11/18/05	0.013	<0.001	<0.001	<0.003	0.013			-
MW-4	02/16/93	ND	ND	ND	ND	ND			
	10/17/95	ND	ND	ND	ND	ND			
	02/07/96	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/96	ND	ND	ND	ND	ND			
	07/18/96	ND	ND	ND	ND.	ND			
	10/02/96	ND	ND	ND	ND	ND			
	01/22/97 04/10/97	ND ND	ND ND	ND ND	ND ND	ND	ND	ND	ND
	07/16/97	ND	ND	ND ND	ND ND	ND ND			
	10/09/97	ND	ND	ND	ND	ND			_
	01/22/98	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/98	ND	ND	ND	ND	ND			
	07/08/98	ND	ND	ND	ND	ND			
	10/02/98	ND	ND	ND	ND	ND			
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			
	07/13/99	ND ND	ND ND	ND ND	ND ND	ND ND			
	01/13/00	ND	ND	ND	ND	ND ND	ND	ND	ND
	04/29/00	ND	ND	ND	ND	ND.	1419	110	140
	07/12/00	ND	ND	ND	ND	ND			
	10/03/00	ND	ND	ND	ND	ND			
	01/03/01	ND	ND	ND	ND	ND	ND	ND.	ND
	04/05/01	0.006	ND	ND	ND	0.006			
	07/10/01	ND.	ND	ND	ND	ND			
-	10/02/01 01/28/02	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ALTA
1	04/10/02	ND	ND	ND	ND ND	ND ND	ND	NU	ND
	07/02/02	ND	ND	ND	ND	ND			
	10/08/02	ND:	ND	ND	ND	ND			
	01/29/03	ND.	ND	ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND			
	07/08/03	ND	ND	ND	ND	ND			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04	40.000	0.000	0.000		Not Sampled	0.755		
	07/23/04	< 0.001	< 0.001	< 0.001	< 0.003	< 0.006	0.629	2.41	3.04

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-4	12/17/04					Not Sampled			
(cont.)	03/29/05					entered into Ar			
	05/23/05		0.000	0.001		entered into Ar	unual Sampling		
	08/16/05	<0.001	<0.001	<0.001	<0.003 Monitor Well	<0.006 entered into Ar	must Sampling		
MW-5	02/16/93	ND	ND	0.002	0.004	0.006	mrune cruttijning.		
	10/17/95				ed due to the P	resence of Phas	e-Separated Hy	drocarbons	
	02/07/96				ed due to the P				
	04/03/96				ed due to the P				
	07/18/96	0.002	ND	0.010	ed due to the P	0.018	e-separated riy	Aurocarpons	
	01/22/97	0.002	110		ed due to the P		e-Separated Hy	drocarbons	
	04/10/97	0.001	ND	0.012	0.005	0.018			
	07/16/97	0.001	ND	0.010	0.011	0.022			
	10/09/97	0.001	ND	0.006	0.001	0.008	- Communical III	decombine	
	01/22/98	0.002	ND	0.010	ed due to the P	0.020	e-separated riy	drocaroons	
	07/08/98	ND	ND	0.003	0.002	0.005			
	10/02/98	ND	ND	0.002	0.003	0.005			
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND ND	ND ND	0.007	0.004	0.011			
	10/13/99	ND ND	ND	0.005	0.002	0.007			
	01/13/00	ND	ND	0.002	ND	0.002	0.002	0.001	ND
	04/28/00	ND	ND	0.003	ND	0.003			
	07/12/00	ND	ND	ND.	ND	ND			
	01/03/01	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND
	04/05/01	ND	ND	ND	ND	ND	IND	1910	CALL
	07/10/01	ND	ND	ND	ND	ND			
	10/02/01	ND:	ND	ND	ND	ND			
	01/28/02	ND	ND	ND	ND	ND	ND	ND.	ND
	04/10/02 07/02/02	ND ND	ND ND	ND ND	ND ND	ND ND			
	10/08/02	ND	ND	ND	ND	ND			
	01/29/03	0.0067	ND	ND	ND	0.0067	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND			
	07/08/03	ND.	ND ND	ND ND	0.0488	0.0488			
	12/18/03	ND	ND	ND	ND	ND Not Sampled			
	07/23/04					Not Sampled			
	09/30/04					Not Sampled			
	12/17/04					Not Sampled			
	03/29/05			Hearing		Not Sampled 1			
	05/23/05					Not Sampled '			
	08/16/05					Not Sampled			
MING	11/18/05	0.003	0.001	NID	0.001	Not Sampled			
MW-6	02/16/93	0.002 ND	0.001	ND 0.021	0.091	0.094			
	02/07/96	ND	ND	0.002	0.009	0.011	ND	ND	ND
111	04/03/96	ND	ND	0.004	0.004	0.008			
	07/18/96	ND	0.003	ND	ND	0.003			
	10/02/96 01/22/97	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND
	04/10/97	ND ND	ND	ND ND	ND ND	ND	SD	100	MD
	07/16/97	0.001	0.001	0.001	ND	0.003			
	10/09/97	ND	0.002	0.005	0.006	0.013			
	01/22/98	0.007	ND	ND	ND	0.007	0.004	0.002	0.006
	05/05/98	0.001 ND	ND ND	0.001 ND	0.010 ND	0.012 ND			
	10/02/98	ND	ND	ND ND	ND	ND			
	01/14/99	ND.	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			
	07/13/99	ND ND	ND	0.008	0.005	0.013			
	10/13/99 01/13/00	ND ND	ND ND	0.004	0.006 ND	0.010	0.002	ND	ND
	04/28/00	ND	ND	0.002	ND ND	0.002	0.001	ND	1913
1	07/12/00	0.001	0.001	0.006	0.003	0.011			

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-6	10/06/00	ND	ND	ND	ND	ND			
(cont.)	01/03/01	ND	ND	ND	ND	ND	0.017	ND	ND
	04/04/01	0.007	ND	0.013	0.033	0.053			
	07/10/01	ND	ND	ND	ND	ND			
	10/02/01	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND
	01/28/02 04/10/02	0.001	ND	0.003	0.003	0.008	1847	1832	1910
	07/02/02	ND	-ND	ND	ND	ND			
	10/08/02	ND	ND.	0.002	ND	0.002			
	01/29/03	ND	ND	ND	ND	ND	ND	ND.	ND
	04/02/03	0.0014	ND	0.0012	0.0012	0.0038			
	07/08/03	ND	ND	0.0010	0.0040	0.0050			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04					Not Sampled			
	07/23/04					Not Sampled			
	09/30/04					Not Sampled			
	12/17/04					Not Sampled			-
	03/29/05					Not Sampled			
	05/23/05					Not Sampled			
	08/16/05					Not Sampled			- 22
	11/18/05					Not Sampled			
MW-7	02/16/93	ND	ND	ND	ND	ND			
	10/17/95	ND.	ND	ND	ND ND	ND ND	NES	3/23	NIE
	02/07/96	ND ND	ND ND	ND.	ND	ND	ND	ND	ND
	07/18/96	ND	ND	ND	ND	ND			
	10/02/96	ND	ND	ND	ND	ND			
	01/22/97	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/97	ND	ND	ND	ND	ND			
	07/16/97	ND	ND	ND	ND.	ND			
	10/09/97	ND	ND	ND	ND	ND			
	01/22/98	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/98	ND	ND	ND	ND	ND			
	07/08/98	ND	ND	ND	ND	ND			
	10/02/98	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND
	04/15/99	ND:	ND	ND	ND	ND	ND	ND	1417
	07/13/99	ND	ND	ND	ND	ND			
	10/13/99	ND	ND	ND	ND	ND			
	01/13/00	ND	ND	ND	ND.	ND	ND	ND	ND
	04/29/00	ND	ND	ND	ND.	ND			
	07/12/00	ND	ND	ND	0.006	0.006			
	10/06/00	ND	ND	ND	0,004	0.004			
	01/03/01	ND	ND	ND	ND	ND	ND	ND.	ND
	04/05/01	0.006	0.012	0.013	0.034	0.065			
	07/10/01	ND.	ND	ND ND	ND	ND			
	10/02/01 01/28/02	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND
	04/10/02	ND ND	ND	ND	ND	ND	ND	MD.	ND
	07/02/02	ND	ND	ND ND	ND	ND			
	10/08/02	ND	ND	ND	ND	ND			
	01/29/03	ND	ND.	ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND			
- 0	07/08/03	ND	ND	ND	ND.	ND			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04					Not Sampled			
	07/23/04					Not Sampled			
	09/30/04					Not Sampled			
	12/17/04					Not Sampled			
	03/29/05			COLUMN TO A STATE OF		entered into Ar			
100	05/23/05					entered into Ar	nnual Sampling		
100	08/16/05	<0.001	<0.001	<0.001	<0.003	<0.006			
	11/18/05				THE RESERVE OF THE PERSON NAMED IN	entered into A	A STATE OF THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER,		
MW-8	09/30/93				led due to the P				
	10/17/95				led due to the P				
	02/07/96				led due to the P				
	04/03/96			Not Samp	led due to the P	resence of Phas	e-Separated Hy	vdrocarbons	

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-8	07/18/96			Not Samp	led due to the P	resence of Phas	e-Separated Hy	drocarbons	
(cont.)	10/02/96	0.003	0.007	0.082	0.052	0.144			
	01/22/97				led due to the P		e-Separated Hy	drocarbons	
	04/10/97	ND	0.001	0.054	0.016	0.071			
	05/05/98	ND	ND	0.002	0.004	0.006			
	04/15/99	0.002	ND	ND	0.001	0.003			
	04/28/00	ND	ND.	ND	ND	ND			
	04/05/01	ND ND	ND	ND	ND	ND ND			_
	04/10/02 01/29/03	ND	ND	ND	ND	ND Not Sampled			
	04/02/03	ND	ND	ND	ND	ND ND			
	07/08/03	1986	1942	1417	1945	Not Sampled			
	12/18/03	ND	ND	ND	ND	ND ND			
	05/06/04					Not Sampled			
	07/23/04					Not Sampled			
	09/30/04					Not Sampled			
	12/17/04					Not Sampled			
	03/29/05			7 - 10	Monitor Well	entered into An	mual Sampling	100	
	05/23/05				Monitor Well	entered into An	mual Sampling		
	08/16/05	< 0.001	< 0.001	< 0.001	<0.003	<0.006			
	11/18/05				Monitor Well	entered into An	mual Sampling		
MW-9	09/30/93	ND	ND.	ND:	ND	ND:			
	10/17/95	ND	ND	ND	ND	ND			
	02/07/96	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/96	ND	ND	ND	ND	ND			
	07/18/96	ND	ND	ND	0.003	0.003			
	10/02/96	ND	ND	ND	ND	ND	NID	2.75	5775
	01/22/97	ND	ND	ND.	ND	ND	ND	ND	ND
	04/10/97	ND ND	ND	ND ND	ND ND	ND ND			
	07/16/97 10/09/97	ND	ND ND	ND	ND	ND			
	01/22/98	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/98	ND	ND	ND	ND	ND	3812	1412	NUZ
- 7	07/08/98	ND	ND	ND	ND	ND			
	10/02/98	ND	ND	ND	ND	ND			
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			
	07/13/99	ND	ND	ND	ND	ND			
	10/13/99	ND	ND	ND	ND	ND			
	01/13/00	0.002	0.002	ND	ND	0.004	ND	ND	ND
	04/28/00	0.008	0.003	ND	ND	0.011			
	07/12/00	ND	ND	ND	ND	ND			
	04/05/01	ND	ND	ND	ND	ND			
	07/10/01	ND.	ND	ND	ND	ND			
	10/02/01	ND	ND	ND	ND	ND ND	AID	ATTA	N.OFF
	01/28/02	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND
	04/10/02	ND	ND	ND ND	ND	ND ND			
	10/08/02	ND	ND	ND ND	ND ND	ND			
	01/29/03	ND	ND	ND	ND	ND ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND	2.46	1000	1.110
	07/08/03	ND	ND	ND	ND	ND			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04	< 0.001	< 0.001	< 0.001	< 0.003	<0.006	<0.05	0.526	0.526
	07/23/04					Not Sampled			
1 1 1	09/30/04					Not Sampled			
	12/17/04					Not Sampled			
	03/29/05					entered into An			
	05/23/05					entered into An	nual Sampling		
. 7	08/16/05	< 0.001	<0.001	<0.001	<0.003	<0.006			
	11/18/05					entered into An	nual Sampling		
MW-10	09/30/93	ND	ND	0.009	0.001	0.010			
	10/17/95	ND	0.003	ND	ND	0.003	ATEN	8.000	110
	02/07/96	ND 0.001	ND ND	ND	ND 0.002	ND 0.002	ND	ND	ND
			INE)	ND	0.002	0.003			
	04/03/96 07/18/96	ND	0.002	ND	ND	0.002			

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH					
MW-10	01/22/97	ND	ND.	ND	ND:	ND.	ND	ND	ND					
(cont.)	04/10/97	ND	0.001	ND	ND	0.001								
200000	07/16/97	0.002	ND	ND	0.005	0.007								
	10/09/97	ND	ND	ND	ND	ND								
	01/22/98	ND	ND	ND	ND	ND.	ND	0.001	ND					
	05/05/98	0.002	ND	ND	0.003	0.005								
	07/08/98	ND	ND	ND	ND	ND								
	10/02/98	ND	ND	ND	0.003	0.003	2/0	NES	AUTO					
	01/14/99	0.001	ND	ND ND	0.009	0.010	ND	ND	ND					
	04/15/99 07/13/99	ND	ND ND	ND ND	ND ND	ND.			_					
	10/13/99	ND	ND	ND	ND	ND:								
	01/13/00	ND	ND	ND	ND	ND	ND	ND	ND					
	04/28/00	ND	ND	ND	ND	ND								
	07/12/00	ND	0.005	ND	0.020	0.025								
	10/06/00	ND	ND	ND	ND	ND								
	01/03/01	ND	ND	ND	ND	ND.	ND	ND	ND					
	04/05/01	ND	0.006	ND	ND	0.006								
	07/10/01	ND	ND	ND	ND	ND								
	10/02/01	0.010	ND.	ND	ND	ND:								
	01/28/02	ND	ND	ND	ND	ND:	ND	ND	ND					
	04/10/02	ND	ND	ND	ND	ND.								
	07/02/02	ND ND	ND ND	ND ND	ND ND	ND ND								
	10/08/02	ND	ND	ND	ND	ND ND	ND	ND .	ND					
	04/02/03	ND	ND	ND	ND	ND	NO	340	ND					
	07/08/03	ND	ND	ND	ND	ND								
	12/18/03	ND	ND	ND	ND	ND								
	05/06/04	<0.001	< 0.001	< 0.001	< 0.003	< 0.006	< 0.05	1.47	1.47					
	07/23/04	<0.001 <0.001 <0.001 <0.003 <0.006 <0.03 1.47 1.47 Not Sampled												
	09/30/04					Not Sampled								
	12/17/04					Not Sampled								
	03/29/05					entered into Ar			0					
	05/23/05:					entered into Ar	mual Sampling							
	08/16/05	<0.001	<0.001	<0.001	<0.003	<0.006	10		-					
dW-11	11/18/05			N		entered into Ar								
dw-11	09/30/93				led due to the Pr led due to the Pr				_					
	02/07/96				led due to the Pi									
	04/03/96			The state of the s	led due to the Pr	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED I	- Andread Comments							
	07/18/96				led due to the Pr									
	10/02/96				led due to the Pr									
	01/22/97				led due to the Pr									
	04/10/97				led due to the Pr									
	05/05/98				led due to the Pr									
	04/15/99				led due to the Pi									
	04/28/00	7.100	3.000		ed due to the Pr		e-Separated Hy	drocarbons						
	04/05/01	2,180	ND 0.102	0.596	0.268	3.04								
	04/10/02	2.890	0.193	0.968 Not Samul	0.538 led due to the Pr	4,59	n Conserved 11	describers						
	07/02/02 10/08/02				led due to the Pi	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	Responsible to the second	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I						
	01/29/03				led due to the Pr									
	04/02/03	2.150	0.171	1.010	0.846	4.18	Separated (1)	Sar Count OCHIS						
	07/08/03	Section 1		ALL PARTY	THE PERSON NAMED IN COLUMN 1	Not Sampled								
	12/18/03		167			Not Sampled			11-1					
	05/06/04	2.250	0.006	1.070	0.291	3.62	12.3	19.2	31.5					
	07/23/04				ed due to the Pr									
	09/30/04	1.97	0.004	1.92	0.231	4.13	7.81	3.31	11.1					
	12/17/04	1.75	0.004	0.714	0.163	2.63								
	03/29/05	1.16	<0.002	0.78	0.121	1.99								
	05/23/05	5112	< 9.001	475	0.873	10.74								
	08/16/05	1.56	<0.002	0.76	0.094	2.41		100000						
	11/18/05	0.65	< 0.001	0.36	0.047	1.06								

PLAINS ALL AMERICAN PIPELINE, L.P. LEA STATION LEA COUNTY, NEW MEXICO

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-12	02/10/95	0.590	0.009	0.043	0.067	0.709			
	07/19/95	0.580	0.130	0.076	0.032	0.818			
	10/17/95	1.400	0.440	0.300	0.163	2.303			
	10/02/96	0.680	0.180	0.280	0.100	1.240			
	04/10/97	0.840	0.250	0.230	0.075	1.395			
-	10/09/97	0.780	0.230	0.100	0.047	1.157			
	05/05/98	0.930	0.370	0.390	0.130	1.820			
	04/15/99	0.770	0.070	0.280	0.058	1.178			
	04/28/00	0.240	0.019	0.120	0.011	0.390			
	04/05/01	0.195	ND	0.022	ND	0.218			
	04/10/02	0.301	ND	0.164	ND	0.465			
	01/29/03					Not Sampled			
	04/02/03	0.290	ND	0.121	0.0037	0.4147			
	07/03/03					Not Sampled			
	12/18/03	0.000	0.004	0.000	0.003	Not Sampled	0.05	1.01	1.71
	05/06/04	0.053	<0.001	0.068	<0.003	0.121	<0.05	1.21 <0.5	1.21
	07/23/04	0.107	<0.001	0.044	0.0024	0.153	0.754 <0.5	<0.5	<1.0
	09/30/40 12/17/04	0.067	<0.001	0.067	<0.003	0.134	40.5	<0.3	<1.0
	03/29/05	<0.001	<0.001	<0.001	<0.003	<0.006		-	
	05/23/05	<0.001	<0.001	<0.001	<0.003	<0.006		CONTRACTOR OF THE PARTY OF THE	
	08/16/05	< 0.001	< 0.001	0.002	<0.003	0.002			
	11/18/05	< 0.001	<0.001	0.002	<0.003	0.002			
MW-13	02/10/95	ND	ND	ND	ND	ND			
1000	07/19/95	ND	ND	ND	ND	ND			
	10/17/95	ND	ND	ND	ND	ND			
	10/02/96	ND	ND	ND	ND	ND			
	04/10/97	ND	ND	ND	ND	ND			
	10/09/97	ND	ND	ND	ND	ND			
	05/05/98	ND.	ND	ND.	ND	ND			
	04/15/99	ND	ND	ND	ND	ND			
	04/28/00	ND	ND	ND	ND	ND			
	04/05/01	0.009	ND	ND	ND	0.009			
	04/10/02	ND	ND	ND	ND	ND			
	01/29/03					Not Sampled			
	04/02/03	ND	ND	ND	ND	ND			
	07/08/03					Not Sampled			
	12/18/03					Not Sampled	0.00	10.000	0.600
	05/06/04	< 0.001	< 0.001	< 0.001	< 0.003	<0.006	< 0.05	0.698	0.698
	07/23/04					Not Sampled			
	09/30/04					Not Sampled			
	12/17/04	-	-		Advantus Wall	Not Sampled	man and Commention to		
	03/29/05					entered into Ar			
	08/16/05	< 0.001	<0.001	<0.001	<0.003	< 0.006	muai Sampung		
	11/18/05	SALARIE.	37.17.1	SUAMI.		entered into Ar	myal Samolina		
RW-1	01/29/03				Armed Hell	Not Sampled			
	04/02/03					Not Sampled Not Sampled			
	07/08/03					Not Sampled			
	12/18/03	ND	ND	ND	ND	ND ND			
	05/06/04	1110	1,145	1110	1 1000	Not Sampled			
7	07/23/04					Not Sampled			
	09/30/04					Not Sampled			
	12/17/04	-				Not Sampled			
	03/29/05				BULL IS 18	Not Sampled			
	05/23/05		III BY III		DESCRIPTION OF	Not Sampled *			
	08/16/05	Mark Control		000000	345 - 1015	Not Sampled A			100
	11/18/05					Not Sampled			
	ALFERRUS					THE PERSON NAMED IN COLUMN 1			

mg/L = milligrams per liter
ND = None Detected
If the cell is blank, then that analysis was not performed.

TABLE 3

CONCENTRATIONS OF SEMI-VOLATILES IN GROUNDWATER

Monitor Well	Date Sampled	Acenaphthene (ug/L)	Acenaphthylene (ug/L)	Anthracene (ug/L)	Benzo(a)anthracene (ug/L)	Benzo(a)pyrene (ug/L)	Benzo(b)fluoranthene (ug/L)	Benzo(g,h,i)perylene (ug/L)	Benzo(j,k)fluoranthene (ug/L)	Chrysene (ug/L)	Dibenz(a,h)anthracene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indenol(1,2,3-cd)pyrene (ug/L)	1-Methylnapthlene (ug/L)	2-Methylnapthlene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (ug/L)
MW-1	17-Dec-04	0.288	0.18	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.115	< 0.05	0.061	1.14	< 0.05	NA	NA	0.844	1.45	0.099
	29-Mar-05	0.234	0.059	0.095	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.138	< 0.05	< 0.05	1.30	< 0.05	NA	NA	7.22	1.46	< 0.05
MW-2	17-Dec-04	7,77	< 0.05	< 0.05	< 0.05	2.00	1.07	< 0.05	0.928	6.03	< 0.05	2.76	27.1	< 0.05	NA	NA	118	43.9	3.56
	29-Mar-05	0.290	0.129	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1.34	< 0.05	NA	NA	18.0	1.05	< 0.05
MW-3	17-Dec-04	0.143	0.054	0.771	0.737	0.237	0.101	< 0.05	0.094	0.613	< 0.05	0.176	0.393	< 0.05	NA	NA	0.102	0.757	0.172
	29-Mar-05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.097	< 0.05	NA	NA	0.054	0.056	< 0.05
MW-4	07-Feb-96		THE PARTY	(1) (1) (1) (1)		ND		1000					ND		ND	ND	ND		
	22-Jan-97	US ST			100	ND							ND		ND	ND	ND		
	22-Jan-98					ND					1000		ND	LE ISU	ND	ND	ND		
	14-Jan-99	J.Fold				ND				- 8	- 1		ND		ND	ND	ND	R. D.	U 154
	13-Jan-00					ND			TALE		15		ND		ND	ND	ND		
	03-Jan-01					ND							ND		ND	ND	ND	The ly	
	28-Jan-02					ND				4			ND		ND	ND	ND		34
	29-Jan-03					ND							ND		ND	ND	ND		
	30-Sep-04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA	NA	< 0.05	< 0.05	< 0.05
MW-5	14-Jan-99		1000			ND							ND		ND	ND	ND		P. Ju
	13-Jan-00					ND					118		ND		2.0	1.0	ND		
	03-Jan-01					ND							ND		ND	ND	ND		ET IX
	28-Jan-02					ND							ND		ND	ND	ND	1000	100
	29-Jan-03					ND							ND		ND	ND	ND		
MW-6	07-Feb-96				- VO	ND		19-10-1					ND		ND	ND	ND		
	22-Jan-97			No.		ND					11000		ND		ND	ND	ND		
	22-Jan-98					ND					- 10		ND		4.0	2.0	6.0		
	14-Jan-99					ND							ND		ND	ND	ND		
	13-Jan-00					ND							ND		2.0	ND	ND		
	03-Jan-01					ND							ND		17.0	ND	ND		
	28-Jan-02					ND							ND		ND	ND	ND		
N 4001 M	29-Jan-03					ND							6.1		ND	ND	ND		
MW-7	07-Feb-96					ND							ND		ND	ND	ND		
	22-Jan-97				1811	ND ND							ND ND		ND	ND	ND		
	22-Jan-98 14-Jan-99					ND ND									ND ND	1.0	ND		
	14-Jan-99 13-Jan-00					ND							ND ND		ND ND	ND	ND		
	03-Jan-00					ND							ND		ND	ND ND	ND ND		
	28-Jan-02	- 1				ND							ND		ND	ND			
	29-Jan-03					ND							ND		ND	ND	ND ND		

TABLE 3

CONCENTRATIONS OF SEMI-VOLATILES IN GROUNDWATER

PLAINS ALL AMERICAN PIPELINE, L.P. LEA STATION LEA COUNTY, NEW MEXICO

Monitor Well	Date Sampled	Acenaphthene (ug/L)	Acenaphthylene (ug/L)	Anthracene (ug/L)	Benzo(a)anthracene (ug/L)	Benzo(a)pyrene (ug/L)	Benzo(b)fluoranthene (ug/L)	Benzo(g,h,t)perylene (ug/L)	Benzo(j,k)fluoranthene (ug/L)	Chrysene (ug/L)	Dibenz(a,h)anthracene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indenol(1,2,3-cd)pyrene (ug/L)	I-Methylnapthlene (ug/L)	2-Methylnapthlene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (ug/L)
MW-9	07-Feb-96					ND				91 91		0.0	ND		ND	ND	ND	Tres	
	22-Jan-97					ND	11/4						ND		ND	ND	ND		
	22-Jan-98					ND							ND		ND	ND	ND		
	14-Jan-99					ND	176						ND		ND	ND	ND .		
100	13-Jan-00		100		3/10	ND							ND		ND	ND	ND	1	
	03-Jan-01					ND							ND	THE R	ND	ND	ND		
	28-Jan-02					ND	2018					9	ND		ND	ND	ND		
	29-Jan-03				100	ND						Toront	ND	133	ND	ND	ND		
	23-Jul-04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA	NA	< 0.05	< 0.05	< 0.05
MW-10	07-Feb-96					ND							ND			ND	ND		
	22-Jan-97					ND							ND			ND	ND		
	22-Jan-98	15				ND			3	- 3			ND			1.0	ND		
	14-Jan-99		192			ND				1 1			ND			ND	ND		18
	13-Jan-00		-5.7			ND		HC III		-, 2			ND		MA IN	ND	ND		
	03-Jan-01	1				ND				1200			ND			ND	ND		110
	28-Jan-02			01		ND							ND			ND	ND		
	29-Jan-03			7918		ND							ND			ND	ND		
	30-Sep-04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA	NA	< 0.05	< 0.05	< 0.05
MW-11	17-Dec-04	0.254	0.251	< 0.05	< 0.05	0.106	0.051	< 0.05	< 0.05	0.280	< 0.05	0.121	1.89	< 0.05	NA	NA	3.44	2.32	0.182
	29-Mar-05	0.235	0.099	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	1.42	< 0.05	NA.	NA	0.980	1.20	< 0.05
MW - 12	23-Jul-04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.378	< 0.05	NA	NA	< 0.05	0.090	< 0.05
	29-Mar-05	< 0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	< 0.05	< 0.05	< 0.05
MW - 13	23-Jul-04	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	NA	NA	< 0.05	< 0.05	< 0.05
ew Mexico V	Water Quality					0.7										30			

ND = Not Detected NA = Not Analyzed

Summary of Groundwater Sampling Recommendations for 2006

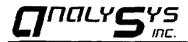
Plains All American Pipeline, L.P. Lea Station - Ref. #2003-00339

Lea County, New Mexico

Monitoring	Eight Quarters Below		Sampling	Schedule		
Well	NMOCD Standards	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Notes
RW-1						Well to be sealed
RW-2						Well to be sealed
MW-1	No	X	X	X	X	Recommend Annual PAH analysis
MW-2	No	X	X	X	X	Recommend Annual PAH analysis
MW-3	No	X	X	X	X	Recommend Annual PAH analysis
MW-4	Yes			X		
MW-5	Yes					Well to be sealed
MW-6	Yes					Well to be sealed
MW-7	Yes			X		
MW-8	Yes			X		
MW-9	Yes			X		
MW-10	Yes			X	_	
MW-11	No	X	X	X	X	Recommend Annual PAH analysis
MW-12	No	X	X	X	X	Recommend Annual PAH analysis
MW-13	Yes			X		

APPENDIX

APPENDIX A LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORM



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: Jain Olness Address: 2100 Ave. O

Eunice.

NM 88231

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

Report#/Lab ID#: 165342

Report Date: 04/27/05

Project ID: 2003-00339\Lea Station

Sample Name: MW-1 Sample Matrix: water

Date Received: 03/31/2005 Time: 13:15 **Date Sampled:** 03/29/2005 Time: 10:45

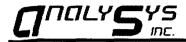
DEPODT OF ANALYSIS

REPORT OF ANALYSIS							QUALITY A	ASSURA	NCE DA	<u>ΓΑ 1</u>	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
A/BN Extraction-PAH					04/05/05	3520					
Extractable organics-PAH					04/09/05	610 & 8270c					
Volatile organics-8260b/BTEX					04/06/05	8260b(5030/5035)					
Benzene	265	μg/L	10	<10	04/04/05	8260b		3.8	97.8	97	94.8
Ethylbenzene	30.6	μg/L	1	<1	04/06/05	8260b		9.1	87.3	92.6	91
m,p-Xylenes	19.2	μg/L	2	<2	04/06/05	8260b	S1	10.3	83.9	87.9	88.8
o-Xylene	<1	μg/L	1	<1	04/06/05	8260b		7.6	92.2	93	96.5
Toluene	<1	μg/L	1	<1	04/06/05	8260ь		6.1	87.7	90.2	89.4
Acenaphthene	0.234	μg/L	0.05	<0.05	04/09/05	610 & 8270c	P	30	24.8	91.1	33.3
Acenaphthylene	0.059	μg/L	0.05	<0.05	04/09/05	610 & 8270c	P	37.9	26	96.7	35.1
Anthracene	0.095	μg/L	0.05	<0.05	04/09/05	610 & 8270c		4.1	22.3	102	42.2
Benzo[a]anthracene	<0.05	μg/L	0.05	< 0.05	04/09/05	610 & 8270c		10.3	9.7	97.8	55.7
Benzo[a]pyrene	<0.05	μg/L	0.05	< 0.05	04/09/05	610 & 8270c		10	6.6	96.9	54.6
Benzo[b]fluoranthene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c		14.9	7.2	102.9	61
Benzo[g,h,i]perylene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	S,M	14.4	6.9	105.1	60.1
Benzo[j,k]fluoranthene	<0.05	μg/L	0.05	< 0.05	04/09/05	610 & 8270c		19.5	8	101.8	56
Chrysene	0.138	μg/L	0.05	<0.05	04/09/05	610 & 8270c		10.9	13.1	99.1	75.2
Dibenz[a,h]anthracene	<0.05	μg/L \	0.05	< 0.05	04/09/05	610 & 8270c	S,M,P	17.9	7.6	105.9	71.6
Fluoranthene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	J,S,M	8.1	20.5	102.5	57.9
Fluorene	1.3	μg/L	0.05	< 0.05	04/09/05	610 & 8270c		20.2	26.9	92	35
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	S,M	11	6.2	100.3	58.3

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



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

Client: Environmental Plus, Inc.

Attn: Iain Olness Project ID: 2003-00339\Lea Station

Sample Name: MW-1

Report#/Lab ID#: 165342

Sample Matrix: water

REPORT OF ANALYSIS-cont.							QUALITY A	ASSUR <i>A</i>	NCE DA	<u>TA</u> 1	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Naphthalene	7.22	μg/L	0.5	<0.5	04/13/05	610 & 8270c	P	56.8	22.7	92.9	38.6
Phenanthrene	1.46	μg/L	0.05	<0.05	04/09/05	610 & 8270c	 	6.5	27.5	98.7	39.9
Pyrene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	J	2.4	17.8	97.7	52.5



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

Project ID: 2003-00339\Lea Station Client: Environmental Plus, Inc.

Report#/Lab ID#: 165342 Attn: Iain Olness Sample Name: MW-1 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers	
2-Fluorobiphenyl	610 & 8270c	47.7	30-110		
Nitrobenzene-d5	610 & 8270c	59.5	12-110		
Terphenyl-d14	610 & 8270c	63.7	25-110		
1,2-Dichloroethane-d4	8260b	100	74-124		
Toluene-d8	8260b	91.7	89-115		

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

Exceptions Report:

Renort #/Lab ID	#: 165342	Matrix: water

Client: Environmental Plus, Inc. Attn: Iain Olness

Project ID: 2003-00339\Lea Station

Sample Name: MW-1

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

Sample received in appropriate container(s) and appear to be appropriately preserved.

☐ Sample received in appropriate container(s). State of sample preservation unknown.

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

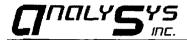
I flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	S1	MS and/or MSD recoveries outside target recov. limits & either no LCS or LCS recovery outside target recov. limits.
Acenaphthene Acenaphthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene Acenaphthylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[g,h,i]perylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Dibenz[a,h]anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Fluoranthene	J	See J-flag discussion above.
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene Naphthalene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Pyrene	J	See J-flag discussion above.

7	 	 	
Votes:			



3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

Report Date: 04/27/05

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

Project ID: 2003-00339\Lea Station

Sample Name: MW-2 Sample Matrix: water

Report#/Lab ID#: 165343

Date Received: 03/31/2005 Time: 13:15 Date Sampled: 03/29/2005 Time: 11:30

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

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

DEDODT OF ANALYSIS

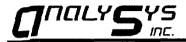
REPORT OF ANALYSIS						QUALITY ASSURANCE DATA 1				Γ <u>Α</u> 1	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
A/BN Extraction-PAH					04/05/05	3520					
Extractable organics-PAH					04/25/05	610 & 8270c					
Volatile organics-8260b/BTEX					04/06/05	8260b(5030/5035)					
Benzene	357	μg/L	100	<100	04/04/05	8260b		3.8	97.8	97	94.8
Ethylbenzene	155	μg/L	1	<1	04/06/05	8260b		9.1	87.3	92.6	91
m,p-Xylenes	179	μg/L	2	<2	04/06/05	8260ь	S1	10.3	83.9	87.9	88.8
o-Xylene	26.8	μg/L	1	<1	04/06/05	8260b		7.6	92.2	93	96.5
Toluene	3.96	μg/L	1	<1	04/06/05	8260ь		6.1	87.7	90.2	89.4
Acenaphthene	0.29	μg/L	0.05	<0.05	04/25/05	610 & 8270c		4	57.3	103.2	60
Acenaphthylene	0.129	μg/L	0.05	<0.05	04/25/05	610 & 8270c	P	40.9	58.1	102.2	59.9
Anthracene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	J,P	56.2	52.4	100.6	58
Benzo[a]anthracene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	P	124.5	30.5	97.7	61.1
Benzo[a]pyrene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	97.9	10.3	102.3	60.5
Benzo[b]fluoranthene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	102.9	11.8	103.9	63.9
Benzo[g,h,i]perylene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	38.7	4.5	99.7	62.3
Benzo[j,k]fluoranthene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	97.2	10.8	99.1	62.9
Chrysene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	J,P	119	39.2	99.4	81.6
Dibenz[a,h]anthracene	<0.05	μg/L ·	0.05	< 0.05	04/25/05	610 & 8270c	S,M,P	34.4	5	102.7	76.5
Fluoranthene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	76.2	52.4	99.6	62.6
Fluorene	1.34	μg/L	0.05	<0.05	04/25/05	610 & 8270c		13	67.2	102	58.9
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	39.7	4.3	102.6	63.1

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 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 (ROL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P=Precision higher than advisory limit. M =Matrix interference.



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

Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339\Lea Station

Sample Name: MW-2

Report#/Lab ID#: 165343
Sample Matrix: water

QUALITY ASSURANCE DATA 1

REPORT OF ANALYSIS-cont.

Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. 2	Recov. 3	CCV ⁴	LCS ⁴
18	μg/L	0.5	<0.5	04/25/05	610 & 8270c	P	55.7	53.8	107.7	62.8
1.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	P	69.5	55.8	99.6	60
<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	Р	69.3	53.6	99.1	62
	18 1.05	18 μg/L 1.05 μg/L	18 μg/L 0.5 1.05 μg/L 0.05	18 μg/L 0.5 <0.5 1.05 μg/L 0.05 <0.05	18 μg/L 0.5 <0.5 04/25/05 1.05 μg/L 0.05 <0.05 04/25/05	18 μg/L 0.5 <0.5 04/25/05 610 & 8270c 1.05 μg/L 0.05 <0.05 04/25/05 610 & 8270c	18 μg/L 0.5 <0.5 04/25/05 610 & 8270c P 1.05 μg/L 0.05 <0.05 04/25/05 610 & 8270c P	18 μg/L 0.5 <0.5 04/25/05 610 & 8270c P 55.7 1.05 μg/L 0.05 <0.05 04/25/05 610 & 8270c P 69.5	18 μg/L 0.5 <0.5 04/25/05 610 & 8270c P 55.7 53.8 1.05 μg/L 0.05 <0.05 04/25/05 610 & 8270c P 69.5 55.8	18 μg/L 0.5 <0.5 04/25/05 610 & 8270c P 55.7 53.8 107.7 1.05 μg/L 0.05 <0.05 04/25/05 610 & 8270c P 69.5 55.8 99.6



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Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339\Lea Station

Sample Name: MW-2

Report#/Lab ID#: 165343
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	50.8	30-110	
Nitrobenzene-d5	610 & 8270c	53.1	12-110	
Terphenyl-d14	610 & 8270c	21.7	25-110	X
1,2-Dichloroethane-d4	8260b	108	74-124	
Toluene-d8	8260ъ	90.3	89-115	

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

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Exceptions Report:

Zenort	#/Lab ID	#: 165343	Matrix: water	

Client: Environmental Plus, Inc.

Attn: Jain Olness

Project ID: 2003-00339\Lea Station

Sample Name: MW-2

Sample Temperature/Condition: <=6°C

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

Sample Bottles & Preservation:

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

I flag Discussion:

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	S1	MS and/or MSD recoveries outside target recov. limits & either no LCS or LCS recovery outside target recov. limits.
Acenaphthylene Acenaphthylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene Anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	J	See J-flag discussion above.
Benzo[a]anthracene Benzo[a]anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]pyrene Benzo[a]pyrene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[b]fluoranthene Benzo[b]fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[b]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene Benzo[g,h,i]perylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[g,h,i]perylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[j,k]fluoranthene Benzo[j,k]fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[j,k]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Chrysene Chrysene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Chrysene	J	See J-flag discussion above.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Dibenz[a,h]anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Fluoranthene Fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.

Exceptions Report:

Report #/Lab ID#: 165343 Matrix: water Client: Environmental Plus, Inc.
Project ID: 2003-00339\text{Lea Station}

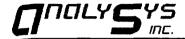
Attn: Iain Olness

Sample Name: MW-2

D---#. 5

~						
Fluoranthene	S,M	and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.				
Indeno[1,2,3-cd]pyrene P The precision of the MS & MSD (or sample and samp limits.		The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.				
Indeno[1,2,3-cd]pyrene S,M MS and/or MSD recoveries outside target recov. limits. LC		MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.				
Naphthalene P The precision of the MS & MSD (or sample and sa Naphthalene P limits.		The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.				
Phenanthrene Phenanthrene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.				
Pyrene P The precision of the MS & MSD (or sample a limits.		The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.				
Terphenyl-d14 Terphenyl-d14	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.				

Notes	:		
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	 ے ہم بنت ہے۔ بنت ہے ہم شن ہے ہے۔ ساک Min سن کر ہے۔ منٹ کا ابد بحث تک Min کا کا است کے



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

Environmental Plus, Inc. Client:

Iain Olness Attn: Address: 2100 Ave. O

Eunice.

NM 88231

(505) 394-3481 Phone:

FAX: (505) 394-2601

Report#/Lab ID#: 165344 **Report Date:** 04/27/05

Project ID: 2003-00339\Lea Station

Sample Name: MW-12 Sample Matrix: water

**Date Received:** 03/31/2005 Time: 13:15 **Date Sampled:** 03/29/2005 Time: 09:30

#### DEPORT OF ANALYSIS

REPORT OF ANALYSIS					QUALITY ASSURANCE DATA 1						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
A/BN Extraction-PAH		<b></b> -			04/05/05	3520					
Extractable organics-PAH					04/14/05	610 & 8270					
Volatile organics-8260b/BTEX					04/04/05	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	04/04/05	8260b		3.8	97.8	97	94.8
Ethylbenzene	<1	μg/L	1	<1	04/04/05	8260b		9.1	87.3	92.6	91
m,p-Xylenes	<2	μg/L	2	<2	04/04/05	8260b	S1	10.3	83.9	87.9	88.8
o-Xylene	<1	μg/L	1	<1	04/04/05	8260b		7.6	92.2	93	96.5
Toluene	<1	μg/L	1	<1	04/04/05	. 8260ь		6.1	87.7	90.2	89.4
Acenaphthene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270		17.1	50.7	107.5	50.5
Acenaphthylene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	P	29.2	46.7	102.3	48.3
Anthracene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	P	41.5	45.3	99.9	48.5
Benzo[a]anthracene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	P	123.2	28.5	93.5	55.1
Benzo[a]pyrene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	S,M,P	90.6	8.7	89	52.3
Benzo[b]fluoranthene	<0.05	μg/L	0.05	< 0.05	04/14/05	610 & 8270	S,M,P	94.9	10.8	89.4	56.6
Benzo[g,h,i]perylene	< 0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	S,M,P	31.2	4.2	105.2	61.5
Benzo[j,k]fluoranthene	< 0.05	μg/L	0.05	< 0.05	04/14/05	610 & 8270	S,M,P	110.3	11.3	112.5	60.9
Chrysene	< 0.05	μg/L	0.05	< 0.05	04/14/05	610 & 8270	P	113.5	35.4	112.9	74
Dibenz[a,h]anthracene	< 0.05	μg/L \	0.05	<0.05	04/14/05	610 & 8270	S,M,P	34.7	5.1	98.1	70.8
Fluoranthene	< 0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	S,M,P	70.6	46	98.9	52
Fluorene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270		3.5	50.4	102.8	49.8
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	S,M,P	36.9	3.8	103.3	58.9

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,

Dale Wagner

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



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

Client: Environmental Plus, Inc.

Iain Olness

Attn:

Project ID: 2003-00339\Lea Station

Sample Name: MW-12

Report#/Lab ID#: 165344

Sample Matrix: water

### REPORT OF ANALYSIS-cont.

REPORT OF ANALYSIS-cont.						QUALITY ASSURANCE DATA 1						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴	
Naphthalene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	P	43.9	44.5	108.8	51.6	
Phenanthrene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	P	61.9	53.7	98.2	53	
Pyrene	<0.05	μg/L	0.05	<0.05	04/14/05	610 & 8270	P	65.2	50.3	101.8	58.8	

Danant Datas 04/27/05



Iain Olness

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

Project ID: 2003-00339\Lea Station

Sample Name: MW-12

Report#/Lab ID#: 165344
Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Environmental Plus, Inc.

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270	35.7	30-110	
Nitrobenzene-d5	610 & 8270	30	12-110	
Terphenyl-d14	610 & 8270	46	25-110	
1,2-Dichloroethane-d4	8260b	104	74-124	
Toluene-d8	8260b	99.5	89-115	

### **Exceptions Report:**

Report #/Lab ID#: 165344 Matrix: water

Client: Environmental Plus. Inc. Attn: Jain Olness

Project ID: 2003-00339\Lea Station

Sample Name: MW-12

Sample Temperature/Condition: <=6°C

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

#### **Sample Bottles & Preservation:**

■ Sample received in appropriate container(s) and appear to be appropriately preserved.

☐ Sample received in appropriate container(s). State of sample preservation unknown.

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

#### J flag Discussion:

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

#### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	S1	MS and/or MSD recoveries outside target recov. limits & either no LCS or LCS recovery outside target recov. limits.
Acenaphthylene Acenaphthylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene Anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]anthracene Benzo[a]anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]pyrene Benzo[a]pyrene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[b]fluoranthene Benzo[b]fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[b]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene Benzo[g,h,i]perylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[g,h,i]perylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[j,k]fluoranthene Benzo[j,k]fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[j,k]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Chrysene Chrysene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Dibenz[a,h]anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Fluoranthene Fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.

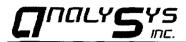
# **Exceptions Report:**

Report #/Lab ID#: 165344 Matrix: water	
Client: Environmental Plus, Inc.	Attn: Iain Olness
Project ID: 2003-00339\Lea Station	

Sample Name: MW-12

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

Notes:	



Jain Olness

Environmental Plus, 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#: 165351

**Report Date:** 04/27/05

Project ID: 2003-00339\Lea Station

Sample Name: MW-3 Sample Matrix: water

**Date Received:** 03/31/2005 Time: 13:30 Date Sampled: 03/29/2005 Time: 11:15

(505) 394-3481 Phone:

Address: 2100 Ave. O

Client:

Attn:

FAX: (505) 394-2601

NM 88231

## DEPODT OF ANALYSIS

Eunice.

REPORT OF ANALYSIS						QUALITY ASSURANCE DATA 1				<u>ΓΑ 1</u>	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
A/BN Extraction-PAH					04/05/05	3520					
Extractable organics-PAH					04/09/05	610 & 8270c					
Volatile organics-8260b/BTEX					04/05/05	8260b(5030/5035)					
Benzene	9.62	μg/L	1	<l< td=""><td>04/05/05</td><td>8260ь</td><td></td><td>2.4</td><td>97.1</td><td>88.6</td><td>90.1</td></l<>	04/05/05	8260ь		2.4	97.1	88.6	90.1
Ethylbenzene	<1	μg/L	1	<1	04/05/05	8260b		8.3	102	97	83.2
m,p-Xylenes	<2	μg/L	2	<2	04/05/05	8260ь		1	99.6	97.3	81.9
o-Xylene	<1	μg/L	1	<1	04/05/05	8260b		1.4	106	107.6	89.3
Toluene	<1	μg/L	1	<1	04/05/05	8260b		2.1	100.4	103.3	95.8
Acenaphthene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	Р	30	24.8	91.1	33.3
Acenaphthylene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	P	37.9	26	96.7	35.1
Anthracene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c		4.1	22.3	102	42.2
Benzo[a]anthracene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c		10.3	9.7	97.8	55.7
Benzo[a]pyrene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c		10	6.6	96.9	54.6
Benzo[b]fluoranthene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c		14.9	7.2	102.9	61
Benzo[g,h,i]perylene	<0.05	μg/L	0.05	< 0.05	04/09/05	610 & 8270c	S,M	14.4	6.9	105.1	60.1
Benzo[j,k]fluoranthene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c		19.5	8	101.8	56
Chrysene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	J	10.9	13.1	99.1	75.2
Dibenz[a,h]anthracene	<0.05	μg/L 、	0.05	<0.05	04/09/05	610 & 8270c	S,M,P	17.9	7.6	105.9	71.6
Fluoranthene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	S,M	8.1	20.5	102.5	57.9
Fluorene	0.097	μg/L	0.05	<0.05	04/09/05	610 & 8270c		20.2	26.9	92	35
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c	S,M	11	6.2	100.3	58.3

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

. Ouality 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 (ROL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P=Precision higher than advisory limit. M =Matrix interference.



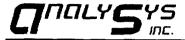
Client: Environmental Plus, Inc. Project ID: 2003-00339\Lea Station

Attn: Iain Olness Sample Name: MW-3

Report#/Lab ID#: 165351 Sample Matrix: water

R	EP	ORI	OF	ANAI	<u> YSIS-c</u>	ont.

EPORT OF ANALYSIS-cont.							QUALITY A	ASSUR A	NCE DA	<u>TA</u> 1	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. 2	Recov. 3	CCV ⁴	LCS ⁴
Naphthalene	0.054	μg/L	0.05	<0.05	04/09/05	610 & 8270c	P	56.8	22.7	92.9	38.6
Phenanthrene	0.056	μg/L	0.05	<0.05	04/09/05	610 & 8270c		6.5	27.5	98.7	39.9
Pyrene	<0.05	μg/L	0.05	<0.05	04/09/05	610 & 8270c		2.4	17.8	97.7	52.5



Client: Environmental Plus, Inc.

Iain Olness

Attn:

Project ID: 2003-00339\Lea Station

Sample Name: MW-3

Report#/Lab ID#: 165351 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	47.7	30-110	
Nitrobenzene-d5	610 & 8270c	34.3	12-110	
Terphenyl-d14	610 & 8270c	62.8	25-110	
1,2-Dichloroethane-d4	8260b	105	74-124	
Toluene-d8	8260b	112	89-115	

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

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## **Exceptions Report:**

Report #/Lab ID#: 165351 Matrix: water	
Client: Environmental Plus, Inc.	Attn: Iain Olness
Project ID: 2003-00339\Lea Station	
Cnlo Nomor MW 2	

Sample Temperature/Condition: <=6°C

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

#### Sample Bottles & Preservation:

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

#### J flag Discussion:

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

#### Comments pertaining to Data Qualifiers and QC data:

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

Mochizia, irjanimacene	, 3,,,,,	wis and of wish recoveries dustice target recovery minutes, indicative of potential matrix interference as evidenced by Mining.
luoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
ndeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Naphthalene Naphthalene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
lotes:		



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

OHALITY ASSUDANCE DATA 1

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#: 165352

**Report Date:** 04/27/05

Project ID: 2003-00339\Lea Station

Sample Name: MW-11 Sample Matrix: water

Date Received: 03/31/2005 Time: 13:30 **Date Sampled:** 03/29/2005 Time: 08:30

#### PEPODT OF ANALYSIS

REPORT OF ANALYSIS							QUALITY A				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual.7	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
A/BN Extraction-PAH					04/05/05	3520					
Extractable organics-PAH					04/25/05	610 & 8270c					
Volatile organics-8260b/BTEX				ı	04/06/05	8260b(5030/5035)					
Benzene	1160	μg/L	10	<10	04/05/05	8260b		2.4	97.1	88.6	90.1
Ethylbenzene	704	μg/L	10	<10	04/05/05	8260b		8.3	102	97	83.2
m,p-Xylenes	121	μg/L	4	<4	04/06/05	8260b		1	99.6	97.3	81.9
o-Xylene	< 2	μg/L	2	<2	04/06/05	8260ь	Ј	1.4	106	107.6	89.3
Toluene	2	μg/L	2	<2	04/06/05	8260b		2.1	100.4	103.3	95.8
Acenaphthene	0.235	μg/L	0.05	<0.05	04/25/05	610 & 8270c		4	57.3	103.2	60
Acenaphthylene	0.099	μg/L	0.05	<0.05	04/25/05	610 & 8270c	P	40.9	58.1	102.2	59.9
Anthracene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	J,P	56.2	52.4	100.6	58
Benzo[a]anthracene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	P	124.5	30.5	97.7	61.1
Benzo[a]pyrene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	97.9	10.3	102.3	60.5
Benzo[b]fluoranthene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	102.9	11.8	103.9	63.9
Benzo[g,h,i]perylene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	38.7	4.5	99.7	62.3
Benzo[j,k]fluoranthene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	97.2	10.8	99.1	62.9
Chrysene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	J,P	119	39.2	99.4	81.6
Dibenz[a,h]anthracene	<0.05	$\mu$ g/L $^{\cdot}$	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	34.4	5	102.7	76.5
Fluoranthene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	76.2	52.4	99.6	62.6
Fluorene	1.42	μg/L	0.05	<0.05	04/25/05	610 & 8270c		13	67.2	102	58.9
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	S,M,P	39.7	4.3	102.6	63.1

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 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.



Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339\Lea Station

Sample Name: MW-11

Report#/Lab ID#: 165352 Sample Matrix: water

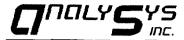
## REPORT OF ANALYSIS-cont.

# QUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Naphthalene	0.98	μg/L	0.05	<0.05	04/25/05	610 & 8270c	P	55.7	53.8	107.7	62.8
Phenanthrene	1.2	μg/L	0.05	<0.05	04/25/05	610 & 8270c	P	69.5	55.8	99.6	60
Pyrene	<0.05	μg/L	0.05	<0.05	04/25/05	610 & 8270c	P	69.3	53.6	99.1	62

Dogo#.

Depart Date: 04/2



3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.

Project ID: 2003-00339\Lea Station

Report#/Lab ID#: 165352

Iain Olness

Attn:

Sample Name: MW-11

Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	47.1	30-110	
Nitrobenzene-d5	610 & 8270c	12	12-110	
Terphenyl-d14	610 & 8270c	31.5	25-110	
1,2-Dichloroethane-d4	8260b	114	74-124	
Toluene-d8	8260b	99.1	89-115	

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

# 0 Th (Th) 04/03/0

### **Exceptions Report:**

Report #/Lab ID#: 165352 Matrix: water

Client: Environmental Plus, Inc.

Attn: Jain Olness

Project ID: 2003-00339\Lea Station

Sample Name: MW-11

Sample Temperature/Condition: <=6°C

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

#### Sample Bottles & Preservation:

■ Sample received in appropriate container(s) and appear to be appropriately preserved.

☐ Sample received in appropriate container(s). State of sample preservation unknown.

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

#### I 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 OC data:

Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.
Acenaphthylene Acenaphthylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene Anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	J	See J-flag discussion above.
Benzo[a]anthracene Benzo[a]anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]pyrene Benzo[a]pyrene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[b]fluoranthene Benzo[b]fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[b]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene Benzo[g,h,i]perylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[g,h,i]perylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[j,k]fluoranthene Benzo[j,k]fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[j,k]fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Chrysene Chrysene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Chrysene	J	See J-flag discussion above.
Dibenz[a,h]anthracene Dibenz[a,h]anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Dibenz[a,h]anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Fluoranthene Fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.

## **Exceptions Report:**

Report #/Lab ID#: 165352 Matrix: water Client: Environmental Plus, Inc.
Project ID: 2003-00339\Lea Station
Sample Name: MW-11

Attn: Iain Olness

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

Notes:	
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# AnalySys Inc.

Chain of Custody Form

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

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

512-444-5896 F	4X: 512-447-4766	5																									
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# AnalySys Inc.

Chain of Custody Form

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LAB I.D.	SAMPLE I.I	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнев:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI')	SULFATES (SO4")	hН	TCLP	OTHER >>>	РАН				
165351 1	MW-3		G	6	Х						X	Х		29-Mar	11:15	X							X				
	MW-11		G	6	X						X	Х		29-Mar	8:30	X							X				
3																											
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9				<u> </u>	_	<u> </u>		_		-	<u> </u>	ļ	_			╄	_	<u> </u>	_	_	<u> </u>		<u> </u>	L		Ш	
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Delivered by:		Sample Yes			act No			Ch	ecked	i By:																	



Client: Environmental Plus, Inc.

Attn: Jain Olness Address: 2100 Ave. O

Eunice.

NM 88231

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

Report#/Lab ID#: 167535

Report Date: 05/31/05

**Project ID: 2003-00339** 

Sample Name: LS MW-1 Sample Matrix: water

Date Received: 05/25/2005

Time: 09:30

OHALITY ASSURANCE DATA 1

Time: 09:19 **Date Sampled:** 05/23/2005

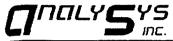
#### REPORT OF ANALYSIS

RETURN OF THITTENEDIN					QUADITI ASSOCIATION DATA								
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴		
Volatile organics-8260b/BTEX					05/31/05	8260b(5030/5035)							
Benzene	174	μg/L	1	<1	05/31/05	8260b		2	82.9	87.3	84.5		
Ethylbenzene	42	μg/L	1	<1	05/31/05	8260b		1.5	104.8	98.7	101.8		
m,p-Xylenes	30.2	μg/L	2	<2	05/31/05	8260ъ		1.2	105.7	99.1	102.3		
o-Xylene	<1	μg/L	1	<1	05/31/05	8260ь		13.5	93.8	104.2	107.6		
Toluene	<1	μg/L	1	<1	05/31/05	8260b		2.7	93	92.6	94.4		

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Dale Wagner

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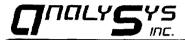
Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00339
Sample Name: LS MW-1

Report#/Lab ID#: 167535
Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

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



Client: Environmental Plus Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

Phone: (505) 394-3481 REPORT OF ANALYSIS FAX: (505) 394-2601

Report#/Lab ID#: 167536

Report Date: 05/31/05

Project ID: 2003-00339

Sample Name: LS MW-3 Sample Matrix: water

**Date Received:** 05/25/2005

Time: 09:30

**Date Sampled:** 05/23/2005 Time: 08:39

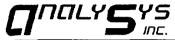
#### OUALITY ASSURANCE DATA 1

							2 2 2 2 2 2 2 2				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					05/26/05	8260b(5030/5035)					
Benzene	6.85	μg/L	1	<1	05/26/05	8260b		2.6	84.9	84.8	83.6
Ethylbenzene	<1	μg/L	1	<1	05/26/05	8260ь		3.1	102.6	97.6	102.7
m,p-Xylenes	<2	μg/L	2	<2 <	05/26/05	8260ъ		2.5	103	97.9	103.3
o-Xylene	<1	μg/L	1	<1	05/26/05	8260b		14.7	107.8	102.8	106.3
Toluene	<1	μg/L	1	<1	05/26/05	8260ь		1.2	93.5	91.9	93.7

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Dale Wagner

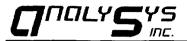
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**Project ID:** 2003-00339 Environmental Plus, Inc. Client: Report#/Lab ID#: 167536 Iain Olness Sample Name: LS MW-3 Attn: Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91.5	70-130	
Toluene-d8	8260b	103	80-127	



3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

(512) 385-5886 • FAX (512) 385-7411

Report Date: 05/31/05

Client: Environmental Plus, Inc.

Attn: Iain Olness
Address: 2100 Ave. O

Eunice.

NM 88231

Phone: (505) 394-3481
REPORT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab ID#: 167537

Project ID: 2003-00339 Sample Name: LS MW-11

Sample Matrix: water

### **QUALITY ASSURANCE DATA** 1

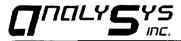
REPORT OF THURSDAY		QUILET ANSSORTING BITTIN									
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					05/26/05	8260b(5030/5035)					
Benzene	512	μg/L	10	<10	05/31/05	8260b		2	82.9	87.3	84.5
Ethylbenzene	475	μg/L	10	<10	05/31/05	8260b		1.5	104.8	98.7	101.8
m,p-Xylenes	86.1	μg/L	2	<2	05/26/05	8260ь		1.2	105.7	99.1	102.3
o-Xylene	1.2	μg/L	1 "	<1	05/26/05	8260b		13.5	93.8	104.2	107.6
Toluene	_<1	μg/L	1	<1	05/26/05	8260b		2.7	93	92.6	94.4

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Respectfully Submitted,

Dale Wagner

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Iain Olness

Client:

Attn:

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

(512) 385-5886 Project ID: 2003-00339

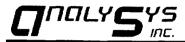
Report#/Lab ID#: 167537 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Environmental Plus, Inc.

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.4	70-130	
Toluene-d8	8260ь	100	80-127	

Sample Name: LS MW-11



Report Date: 05/31/05

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

(505) 394-3481 Phone: REPORT OF ANALYSIS FAX: (505) 394-2601

Report#/Lab ID#: 167538

Project ID: 2003-00339

Sample Name: LS MW-12

Sample Matrix: water

Date Received: 05/25/2005 Time: 09:30 **Date Sampled:** 05/23/2005 Time: 07:48

#### **OUALITY ASSURANCE DATA** 1

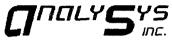
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					05/26/05	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	05/26/05	8260b		2.6	84.9	84.8	83.6
Ethylbenzene	<1	μg/L	1	<1	05/26/05	8260b		3.1	102.6	97.6	102.7
m,p-Xylenes	<2	μg/L	2	<2	05/26/05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

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Dale Wagner

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00339
Sample Name: LS MW-12

Report#/Lab ID#: 167538
Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

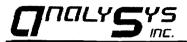
Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	91	70-130	
Toluene-d8	8260ь	102	80-127	

# AnalySys Inc.

Chain of Custody Form

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

512-444-5896 F	AX: 512-447-4766																									
Company Name		s, Inc	c.					1.5		, 44-k	Bill	То		rzigi, 46	73	A.		AN	<b>ALY</b>	SIS	RE	QU	EST	<u> </u>	4.7	(Fig.
EPI Project Man										T	- <del>-</del>	~	7											T	$\Box$	
<b>Mailing Address</b>	P.O. BOX 1558																									
City, State, Zip	Eunice New Mexic	o 882	231			]				F					Ì											
EPI Phone#/Fax	# 505-394-3481 / 505	-394-	-260	1		PLAINS												1 1								
Client Company	Plains All American								ALI PH	AMI	RIC.	N P		l								1 1				
Facility Name	Lea Station						At	ttn:	EN				Receiva	ble		ļ					ļ		1 1	l	1	
Project Reference	e 2003-00339									PO	Во	x 46	48,													
<b>EPI Sampler Nar</b>	ne Manuel Gonzales							Н	ous	ton	, TX	772	210-4648													
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LAB I.D.	SAMPLE 1.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнев:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CF)	SULFATES (SO4")	Hd	TCLP	OTHER >>>	РАН				
167535 ¹	LS MW-1	G	4	X						Х	Х		23-May	9:19	Х					Г				寸	寸	$\neg$
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**Report Date:** 08/25/05

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

Phone: (505) 394-3481 REPORT OF ANALYSIS **FAX:** (505) 394-2601

Report#/Lab ID#: 170013

Project ID: 2003-00339

Sample Name: MW-1 Sample Matrix: water

**Date Received:** 08/18/2005

Time: 16:00 **Date Sampled:** 08/16/2005 Time: 07:00

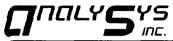
#### QUALITY ASSURANCE DATA 1

THE OWN OF THE WINDS	<u> </u>										QUALITY ASSURANCE DATA						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴						
Volatile organics-8260b/BTEX					08/25/05	8260b(5030/5035)											
Benzene	283	μg/L	50	<50	08/25/05	8260b		2.8	88.4	88.2	87.9						
Ethylbenzene	45.7	μg/L	1	<1	08/25/05	8260ь		3.5	99.6	101.6	97.6						
m,p-Xylenes	31.1	μg/L	2	<2	08/25/05	8260ь		4.2	99.4	101.6	97.6						
o-Xylene	<1	μg/L	1 1	<1	08/25/05	8260ь	J	3.8	91.3	89.6	88.7						
Toluene	<1	μg/L	1	<1	08/25/05	8260ь		2.6	95.1	94.3	93.8						

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Dale Wagner

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00339
Sample Name: MW-1

Report#/Lab ID#: 170013
Sample Matrix: water

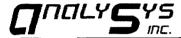
## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	95.3	70-130	
Toluene-d8	8260b	102	80-127	

Report #/Lab ID#: 170013 Matrix Client: Environmental Plus, Inc. Project ID: 2003-00339 Sample Name: MW-1	: water	Attn: Iain Olness
laboratory within such a short times samples (see sample collection are	riteria (e ne after s nd samp	except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the le receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding sample integrity (ex. in a bottle with no cooler).
Sample Bottles & Preservation:	_	
□ Sample received in appropriate	contain	er(s) and appear to be appropriately preserved. er(s). State of sample preservation unknown. einer(s) and/or with unknown state of preservation.
levels/blanks and other potential sources Because the reported result is below the	of samp	er TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background pling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit tion limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)
<b>Comments pertaining to Data Quali</b>	fiers an	d QC data:
Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.

Daratt. 2 Darant 4/T al ID4. 170012 Danant Data. 0/05/05

**Exceptions Report:** 



Environmental Plus, Inc. Client:

Attn: Jain Olness Address: 2100 Ave. O

Funice.

NM 88231

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

Report#/Lab ID#: 170014

Report Date: 08/25/05

**Project ID: 2003-00339** Sample Name: MW-2

Sample Matrix: water

**Date Received:** 08/18/2005 Time: 16:00 Date Sampled: 08/16/2005 Time: 12:30

#### REPORT OF ANALYSIS

REPORT OF ANALYSIS									QUALITY ASSURANCE DATA 1						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴				
Volatile organics-8260b/BTEX					08/25/05	8260b(5030/5035)									
Benzene	422	μg/L	100	<100	08/25/05	8260b		2.8	88.4	88.2	87.9				
Ethylbenzene	172	μg/L	1	<1	08/25/05	8260ъ		3.5	99.6	101.6	97.6				
m,p-Xylenes	188	μg/L	2	<2	08/25/05	8260ь		4.2	99.4	101.6	97.6				
o-Xylene	14.1	μg/L	1	<1	08/25/05	8260ь		3.8	91.3	89.6	88.7				
Toluene	<1	μg/L	1	<1	08/25/05	8260b	J	2.6	95.1	94.3	93.8				

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Dale Wagner

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Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339 Sample Name: MW-2

Report#/Lab ID#: 170014 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	96.2	70-130	
Toluene-d8	8260b	98.2	80-127	

## **Exceptions Report:**

Report #/Lab ID#: 170014 Matrix: water		
Client: Environmental Plus, Inc.	Attn: Iain Olness	
<b>Project ID:</b> 2003-00339		
Sample Name: MW-2		

Sample Temperature/Condition: <=6°C

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

#### Sample Bottles & Preservation:

■ Sample received in appropriate container(s) and appear to be appropriately preserved.

☐ Sample received in appropriate container(s). State of sample preservation unknown.

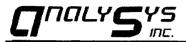
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

#### J flag Discussion:

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

#### Comments pertaining to Data Qualifiers and QC data:

Toluene	J	See J-flag discussion above.
Notes:		



**Report Date:** 08/25/05

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

Phone: (505) 394-3481 REPORT OF ANALYSIS FAX: (505) 394-2601

Report#/Lab ID#: 170015

**Project ID: 2003-00339** 

Sample Name: MW-3 Sample Matrix: water

**Date Received:** 08/18/2005

Time: 16:00

Time: 07:30 **Date Sampled:** 08/16/2005

#### OUALITY ASSURANCE DATA 1

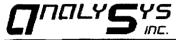
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Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/24/05	8260b(5030/5035)					
Benzene	28.3	μg/L	1	<1	08/24/05	8260b		2.8	88.4	88.2	87.9
Ethylbenzene	2.14	μg/L	1	<1	08/24/05	8260b		3.5	99.6	101.6	97.6
m,p-Xylenes	3.49	μg/L	2	<2	08/24/05	8260b		4.2	99.4	101.6	97.6
o-Xylene	<1	μg/L	1	<1	08/24/05	8260b	J	3.8	91.3	89.6	88.7
Toluene	<1	μg/L	1	<1	08/24/05	8260b		2.6	95.1	94.3	93.8

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Dale Wagner

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3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

(512) 385-5886 •

FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00339
Sample Name: MW-3

Report#/Lab ID#: 170015
Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	92.3	70-130	
Toluene-d8	8260ь	101	80-127	

Exceptions	Report:
------------	---------

Attn: Iain Olness	
	Attn: Iain Olness

#### Sample Temperature/Condition: <=6°C

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

#### **Sample Bottles & Preservation:**

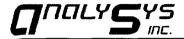
■ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

#### J flag Discussion:

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

#### Comments pertaining to Data Qualifiers and QC data:

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



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(512) 385-5886

FAX (512) 385-7411

Environmental Plus, Inc. Client:

Iain Olness Attn: Address: 2100 Ave. O

Eunice.

NM 88231

(505) 394-3481 Phone:

FAX: (505) 394-2601

Report#/Lab ID#: 170016

Report Date: 08/25/05

**Project ID:** 2003-00339 Sample Name: MW-4

Sample Matrix: water

**Date Sampled:** 08/16/2005

**Date Received:** 08/18/2005

Time: 16:00 Time: 08:30

REPORT OF ANALYSIS

#### OUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/24/05	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	08/24/05	8260b		2.8	88.4	88.2	87.9
Ethylbenzene	<1	μg/L	1	<1	08/24/05	8260b		3.5	99.6	101.6	97.6
m,p-Xylenes	<2	μg/L	2	<2	08/24/05	8260b		4.2	99.4	101.6	97.6
o-Xylene	<1	μg/L	1	<1	08/24/05	8260b		3.8	91.3	89.6	88.7
Toluene	<1	μg/L	1	<1	08/24/05	8260b		2.6	95.1	94.3	93.8

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Dale Wagner

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Client: Environmental Plus, Inc.

Attn: Iain Olness

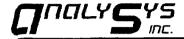
Project ID: 2003-00339 Sample Name: MW-4 Report#/Lab ID#: 170016 Sample Matrix: water

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	90	70-130	
Toluene-d8	8260b	101	80-127	

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

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Iain Olness

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#: 170017

Report Date: 08/25/05

Project ID: 2003-00339 Sample Name: MW-7

Sample Matrix: water

**Date Received:** 08/18/2005 Time: 16:00 **Date Sampled:** 08/16/2005 Time: 09:00

Address: 2100 Ave. O

Eunice.

Client:

Phone:

Attn:

(505) 394-3481

Environmental Plus, Inc.

FAX: (505) 394-2601

NM 88231

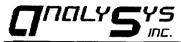
#### REPORT OF ANALYSIS

REPORT OF ANALYSIS	PORT OF ANALYSIS									QUALITY ASSURANCE DATA 1				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴			
Volatile organics-8260b/BTEX					08/24/05	8260b(5030/5035)								
Benzene	<1	μg/L	1	<1	08/24/05	8260b		2.8	88.4	88.2	87.9			
Ethylbenzene	<1	μg/L	1	<1	08/24/05	8260b		3.5	99.6	101.6	97.6			
m,p-Xylenes	2	μg/L	2	<2	08/24/05	8260b		4.2	99.4	101.6	97.6			
o-Xylene	<1	μg/L	1	<1	08/24/05	8260b		3.8	91.3	89.6	88.7			
Toluene	<1	μg/L	1	<1	08/24/05	8260b		2.6	95.1	94.3	93.8			

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Dale Wagner

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00339 Sample Name: MW-7

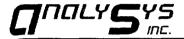
Report#/Lab ID#: 170017 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.1	70-130	
Toluene-d8	8260ь	100	80-127	

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

H A TO A TO A COLORER



3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

Report Date: 08/25/05

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

OUALITY ASSURANCE DATA 1

Environmental Plus, Inc. Client:

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

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

Report#/Lab ID#: 170018

**Project ID:** 2003-00339 Sample Name: MW-8

Sample Matrix: water

**Date Received:** 08/18/2005 Time: 16:00 **Date Sampled:** 08/16/2005 Time: 09:30

#### REPORT OF ANALYSIS

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Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/25/05	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	08/25/05	8260ъ		2.8	88.4	88.2	87.9
Ethylbenzene	<1	μg/L	1	<1	08/25/05	8260b		3.5	99.6	101.6	97.6
m,p-Xylenes	< 2	μg/L	2	<2	08/25/05	8260b		4.2	99.4	101.6	97.6
o-Xylene	<1	μg/L	1	<1	08/25/05	8260ь		3.8	91.3	89.6	88.7
Toluene	<1	μg/L	1	<1	08/25/05	8260ъ		2.6	95.1	94.3	93.8

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Dale Wagner

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Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339
Sample Name: MW-8

Report#/Lab ID#: 170018
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.2	70-130	
Toluene-d8	8260b	102	80-127	

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

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3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

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

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

Phone: (505) 394-3481

FAX: (505) 394-2601

Report#/Lab ID#: 170019

Report Date: 08/25/05

**Project ID: 2003-00339** Sample Name: MW-9

Sample Matrix: water

**Date Received:** 08/18/2005 Time: 16:00 **Date Sampled:** 08/16/2005 Time: 10:00

#### REPORT OF ANALYSIS

## OUALITY ASSURANCE DATA 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/25/05	8260b(5030/5035)					
Benzene	<1	μg/L	1	<b>&lt;</b> l	08/25/05	8260b	J	2.8	88.4	88.2	87.9
Ethylbenzene	<1	μg/L	1	<1	08/25/05	8260b		3.5	99.6	101.6	97.6
m,p-Xylenes	<2	μg/L	2	<2	08/25/05	8260ь		4.2	99.4	101.6	97.6
o-Xylene	<1	μg/L	1	<1	08/25/05	8260ь	J	3.8	91.3	89.6	88.7
Toluene	<1	μg/L	1	<1	08/25/05	8260ь		2.6	95.1	94.3	93.8

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Dale Wagner

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Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339 Sample Name: MW-9 Report#/Lab ID#: 170019
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260ъ	84.7	70-130	
Toluene-d8	8260ь	103	80-127	

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

B I A DA COLORIO

#### **Exceptions Report:**

Report #/Lab ID#: 170019 Matrix: water	
Client: Environmental Plus, Inc.	Attn: Iain Olness
<b>Project ID:</b> 2003-00339	
Sample Name: MW-9	

Sample Temperature/Condition: <=6°C

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

#### **Sample Bottles & Preservation:**

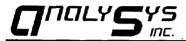
Sample received in appropriate container(s) and appear to be appropriately preserved	l.
☐ Sample received in appropriate container(s). State of sample preservation unknown.	
☐ Sample received in inappropriate container(s) and/or with unknown state of preservations.	tion

#### J flag Discussion:

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

#### Comments pertaining to Data Qualifiers and QC data:

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



Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

Phone: (505) 394-3481

FAX: (505) 394-2601

Report#/Lab ID#: 170020

Report Date: 08/25/05

**Project ID:** 2003-00339

Sample Name: MW-10 Sample Matrix: water

**Date Received:** 08/18/2005 **Time:** 16:00 **Date Sampled:** 08/16/2005 **Time:** 10:30

#### **QUALITY ASSURANCE DATA** 1

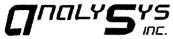
KEI OKI OF ANALISIS		QUALITY P	LOSUKE	INCE DA	<u>.a.</u> -						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/24/05	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	08/24/05	8260ь		2.8	88.4	88.2	87.9
Ethylbenzene	<1	μg/L	1	<1	08/24/05	8260b		3.5	99.6	101.6	97.6
m,p-Xylenes	<2	μg/L	2	<2	08/24/05	8260b		4.2	99.4	101.6	97.6
o-Xylene	<1	μg/L	1	<1	08/24/05	8260b		3.8	91.3	89.6	88.7
Toluene	<1	μg/L	1	<1	08/24/05	8260ь		2.6	95.1	94.3	93.8

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Respectfully Submitted,

Dale Wagner

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00339
Sample Name: MW-10

Report#/Lab ID#: 170020
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260ь	92.6	70-130	
Toluene-d8	8260ь	101	80-127	

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



Client: Environmental Plus, Inc.

Tain Olness Attn: Address: 2100 Ave. O

Eunice.

NM 88231

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

Report#/Lab ID#: 170021

**Report Date:** 08/25/05

Project ID: 2003-00339

Sample Name: MW-11 Sample Matrix: water

Date Received: 08/18/2005

Time: 16:00

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**Date Sampled:** 08/16/2005 Time: 11:00

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REPORT OF ANALISIS			QUALITY A	NAUCCE	NCE DA	<u>IA</u> -					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. 2	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/25/05	8260b(5030/5035)					
Benzene	1560	μg/L	50	<50	08/25/05	8260b		2.8	88.4	88.2	87.9
Ethylbenzene	755	μg/L	50	<50	08/25/05	8260b		3.5	99.6	101.6	97.6
m,p-Xylenes	94	μg/L	4	<4	08/25/05	8260Ъ		4.2	99.4	101.6	97.6
o-Xylene	<2	μg/L	2	<2	08/25/05	8260b	J	3.8	91.3	89.6	88.7
Toluene	<2	μg/L	2	<2	08/25/05	8260b		2.6	95.1	94.3	93.8

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Dale Wagner

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Iain Olness

Client:

Attn:

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

Project ID: 2003-00339
Sample Name: MW-11
Report#/Lab ID#: 170021
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Environmental Plus, Inc.

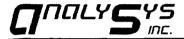
Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260ь	97.3	70-130	
Toluene-d8	8260ь	102	80-127	

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

Exceptions Report:	
Report #/Lab ID#: 170021 Matrix: water Client: Environmental Plus, Inc. Attn: Iain Olness Project ID: 2003-00339 Sample Name: MW-11	
Sample Temperature/Condition: <=6°C  The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a ver laboratory within such a short time after sampling that cooling measures used in the field at samples (see sample collection and sample receipt times) and samples where the temperature temperature measurement without impacting sample integrity (ex. in a bottle with no cooler	nd during transport had insufficient time to achieve desired temperatures in the re could not be measured due to sample submission in a manner precluding
Sample Bottles & Preservation:	
<ul> <li>         ∑ Sample received in appropriate container(s) and appear to be appropriately preserved.     </li> <li>         ∑ Sample received in appropriate container(s). State of sample preservation unknown.     </li> <li>         ∑ Sample received in inappropriate container(s) and/or with unknown state of preservation.     </li> </ul>	
J flag Discussion:	
A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the r levels/blanks and other potential sources of sampling and analytical contamination), though less th Because the reported result is below the quantitation limit for this project/sample (or test procedure presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situation	an the Reported Quantitation Limit (RQL) is greater than the Detection Limit.  e), GC/MS organics results may or MAY NOT have been verified as to the

Comments pertaining to Data Qualifiers and QC data:

Comments pertaining to			
Parameter	Qualif	Comment	
o-Xylene	J	See J-flag discussion above.	
Notes:			
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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 Date:** 08/25/05

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#: 170022

**Project ID: 2003-00339** Sample Name: MW-12

Sample Matrix: water

**Date Received:** 08/18/2005 Time: 16:00 **Date Sampled:** 08/16/2005 Time: 11:30

#### REPORT OF ANALYSIS

#### **QUALITY ASSURANCE DATA** 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/24/05	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	08/24/05	8260b		2.8	88.4	88.2	87.9
Ethylbenzene	1.89	μg/L	1	<l< td=""><td>08/24/05</td><td>8260ь</td><td></td><td>3.5</td><td>99.6</td><td>101.6</td><td>97.6</td></l<>	08/24/05	8260ь		3.5	99.6	101.6	97.6
m,p-Xylenes	<2	μg/L	2	<2	08/24/05	8260ь		4.2	99.4	101.6	97.6
o-Xylene	<1	μg/L	1 .	<l< td=""><td>08/24/05</td><td>8260ь</td><td></td><td>3.8</td><td>91.3</td><td>89.6</td><td>88.7</td></l<>	08/24/05	8260ь		3.8	91.3	89.6	88.7
Toluene	<1	μg/L	1	<1	08/24/05	8260ъ		2.6	95.1	94.3	93.8

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Dale Wagner

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Client: Environmental Plus, Inc.

Attn: Iain Olness

**Project ID:** 2003-00339

Sample Name: MW-12

Report#/Lab ID#: 170022 Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	87.3	70-130	
Toluene-d8	8260ь	102	80-127	

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

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3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

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

Client: Environmental Plus, Inc.

Iain Olness Attn: Address: 2100 Ave. O

Eunice.

NM 88231

Phone: (505) 394-3481

FAX: (505) 394-2601

Report#/Lab ID#: 170023

Report Date: 08/25/05 Project ID: 2003-00339

Sample Name: MW-13 Sample Matrix: water

Date Received: 08/18/2005 Time: 16:00 **Date Sampled:** 08/16/2005 Time: 12:00

#### REPORT OF ANALYSIS

#### OUALITY ASSURANCE DATA 1

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Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					08/24/05	8260b(5030/5035)					
Benzene	<1	μg/L	1	<b>&lt;</b> l	08/24/05	8260b		2.8	88.4	88.2	87.9
Ethylbenzene	<1	μg/L	1	<1	08/24/05	8260b	<b> </b>	3.5	99.6	101.6	97.6
m,p-Xylenes	<2	μg/L	2	<2	08/24/05	8260b		4.2	99.4	101.6	97.6
o-Xylene	<1	μg/L	1	<1	08/24/05	8260b		3.8	91.3	89.6	88.7
Toluene	<1	μg/L	1	<1	08/24/05	8260ь		2.6	95.1	94.3	93.8

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Dale Wagner

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Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339
Sample Name: MW-13

Report#/Lab ID#: 170023
Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260ь	94.3	70-130	
Toluene-d8	8260b	101	80-127	

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

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## AnalySys Inc.

## Chain of Custody Form

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

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	Environmental Plus er lain Olness P.O. BOX 1558 Eunice New Mexico 505-394-3481 / 505- Plains All American Lea Station 2003-00339 George Blackburn  SAMPLE I.D.  W-1 W-2 W-3 W-4 W-7 W-8 W-9 W-10 W-11 W-12	Environmental Plus, Incer Iain Olness P.O. BOX 1558 Eunice New Mexico 882 505-394-3481 / 505-394- Plains All American Lea Station 2003-00339 George Blackburn  SAMPLE I.D.  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BOX 1558  Eunice New Mexico 88231 505-394-3481 / 505-394-2601  Plains All American  Lea Station 2003-00339  George Blackburn  Attn: ENV Accounts Receivable PO Box 4648, Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  FREERV.  SAMPLE I.D.  W-1  G 4 X  W-1  G 4 X  W-2  G 4 X  W-3  G 4 X  W-3  G 4 X  W-7  G 4 X  W-7  G 4 X  W-7  G 4 X  W-7  G 4 X  W-7  G 4 X  W-7  G 4 X  W-7  G 4 X  W-7  G 4 X  W-7  G 4 X  W-7  G 4 X  W-8  G 4 X  W-7  G 4 X  W-9  G 4 X  W-1  G 4 X  W-1  G 4 X  W-1  G 4 X  W-1  G 4 X  W-2  G 4 X  W-3  W-1  G 4 X  W-1  G 4 X  W-1  G 4 X  W-2  G 4 X  W-3  W-1  G 4 X  W-1  G 5 4 X  W-1  G 6 4 X  W-1  G 7  G 7  G 7  G 8  W-1  G 9  G 9  G 1  G 1  G 1  G 9  G 1  G 1	Environmental Plus, Inc.  Iain Olness  P.O. BOX 1558  Eunice New Mexico 88231  505-394-3481 / 505-394-2601  Plains All American  Lea Station 2003-00339  George Blackburn  Attn: ENV Accounts Receivable PO Box 4648, Houston, TX 77210-4648  Houston, TX 77210-4648  MATRIX  PRESERV. 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SAMPLING  George Blackburn  Attn: ENV Accounts Recelvable  PO Box 4648,  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Houston, TX 77210-4648  Hous	Environmental Plus, Inc.  er lain Olness  P.O. BOX 158  Eunice New Mexico 88231  505-394-3481 / 505-394-2601  Plains All American  Lea Station  2003-00339  George Blackburn  SAMPLE I.D.  SAMPLE I.D.  George Blackburn  MATRIX  PRESERV.  SAMPLING  MATRIX  PRESERV.  SAMPLING  W-1  George Blackburn  Time  George Blackburn  W-1  George Blackburn  SAMPLE I.D.  George Blackburn  MATRIX  Reserved  Attn: ENV Accounts Receivable  PO Box 4648,  Houston, TX 77210-4648  Houston, TX 77210-4648  DATE  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time  Time	Environmental Plus, Inc.    Iain Olness	Environmental Plus, Inc.  er lain Olness  P.O. BOX 1558  Eunice New Mexico 88231  505-394-3481 / 505-394-2601  Plains All American  Lea Station  2003-00339  George Blackburn  MATRIX  MATRIX  MATRIX  MATRIX  MATRIX  PRESERV.  SAMPLING  SAMPLING  W.1  G 4 X  W.2  G 4 X  W.2  G 4 X  W.3  G 4 X  W.4  G 4 X  W.4  G 4 X  W.7  G 4 X  W.7  G 4 X  W.7  G 4 X  W.7  G 4 X  W.7  G 4 X  W.7  G 4 X  W.7  G 4 X  W.7  G 4 X  W.7  G 4 X  W.7  G 5 4 X  W.7  G 6 4 X  W.7  G 7 4 X  W.7  G 7 4 X  W.7  G 8 4 X  W.7  G 9 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 2 4 X  W.7  G 3 4 X  W.7  G 4 X  W.7  G 6 4 X  W.7  G 7 4 X  W.7  G 7 4 X  W.7  G 8 4 X  W.7  G 9 4 X  W.7  G 9 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 1 4 X  W.7  G 2 4 X  W.7  G 3 4 X  W.7  G 4 X  W.7  G 6 4 X  W.7  G 7  G 7  G 7  G 7  G 7  G 7  G 7  G

## AnalySys Inc.

## Chain of Custody Form

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

	AX: 512-447-4766									_																
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EPI Phone#/Fax#	505-394-3	481 / 505-3	394-	260	1						$\overline{P}$	LA	IN	$\overline{\mathbf{S}}$												l
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3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr.. Corpus Christi. TX 78408

OTIALITY ASSUDANCE DATA 1

(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#: 173945

Report Date: 12/02/05

Project ID: 2003-00339 Lea Station

Sample Name: MW-1

Sample Matrix: water

**Date Received:** 11/23/2005 **Time:** 10:30 **Date Sampled:** 11/18/2005 **Time:** 17:00

#### REPORT OF ANALYSIS

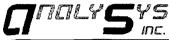
REPORT OF ATTACABLE							QUALITY !	LUDUILL	IICE DA.	1.73	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					12/01/05	8260b(5030/5035)					
Benzene	100	μg/L	1	<1	12/01/05	8260ь		5.6	95.7	109.5	98
Ethylbenzene	34.9	μg/L	1	<1	12/01/05	8260ь		3.1	109	111.8	109.3
m,p-Xylenes	22.9	μg/L	2	<2	12/01/05	8260ь		1.3	105.3	112	109
o-Xylene	<1	μg/L	1	<1	12/01/05	8260ь	J	1.4	104.4	111.2	108.2
Toluene	<1	μg/L	1	<1	12/01/05	8260ь		4.7	104.9	114.6	102

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Respectfully Submitted,

Richard Elton

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Client:

Attn:

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

Environmental Plus, Inc.

| Project ID: 2003-00339 Lea Station | Report#/Lab ID#: 173945 |
| Sample Name: MW-1 | Sample Matrix: water |

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery Limits</b>	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	88.6	70-130	12/01/05	
Toluene-d8	8260b	97.4	80-127	12/01/05	

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

Exceptions Report:	
Report #/Lab ID#: 173945 Matrix: water	
Client: Environmental Plus, Inc.	Attn: Iain Olness
Project ID: 2003-00339 Lea Station	
Sample Name: MW-1	

Sample Temperature/Condition: <=6°C

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

#### Sample Bottles & Preservation:

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

#### I flag Discussion:

A J flag data qualifier indicates (as required under TCEO-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.)

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



Environmental Plus, Inc. Client:

Iain Olness Attn: Address: 2100 Ave. O

Eunice.

NM 88231

(505) 394-3481 Phone:

FAX: (505) 394-2601

Report#/Lab ID#: 173946

Report Date: 12/02/05

Project ID: 2003-00339 Lea Station

Sample Name: MW-2

Sample Matrix: water **Date Received:** 11/23/2005

Time: 10:30 **Date Sampled:** 11/18/2005 Time: 17:30

#### REPORT OF ANALYSIS

#### OUALITY ASSURANCE DATA 1

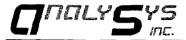
REPORT OF TRAINING							QUILLIA I	IOO CIU	UICE DZE	***	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					12/01/05	8260b(5030/5035)					
Benzene	341	μg/L	2	<2	12/01/05	8260b		5.6	95.7	109.5	98
Ethylbenzene	168	μg/L	2	<2	12/01/05	8260b		3.1	109	111.8	109.3
m,p-Xylenes	121	μg/L	4	<4	12/01/05	8260ь		1.3	105.3	112	109
o-Xylene	5.48	μg/L	2	< 2	12/01/05	8260b	<b> </b>	1.4	104.4	111.2	108.2
Toluene	<1	μg/L	1	<1	12/01/05	8260b		4.7	104.9	114.6	102

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, express written consent of AnalySys, Inc.

Richard Elton

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Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339 Lea Station

Sample Name: MW-2

Report#/Lab ID#: 173946

Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	89.8	70-130	12/01/05	
Toluene-d8	8260b	97.8	80-127	12/01/05	

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

# 0 P 4 P 4 10/00#



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

(512) 385-5886

FAX (512) 385-7411

Environmental Plus, Inc. Client:

Iain Olness Attn: Address: 2100 Ave. O

Eunice.

NM 88231

(505) 394-3481 Phone:

FAX: (505) 394-2601

Report#/Lab ID#: 173947

**Report Date: 12/02/05** 

Project ID: 2003-00339 Lea Station

Sample Name: MW-3 Sample Matrix: water

**Date Received:** 11/23/2005 Time: 10:30 **Date Sampled:** 11/18/2005 Time: 18:00

#### REPORT OF ANALYSIS

#### OUALITY ASSURANCE DATA 1

m,p-Xylenes $\sim$ $\mu$ g/L $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$	MAT CASE OF THE STATE OF							V 2.1111	IOO O I II	HIVE DIE	<u> </u>	
Benzene         1.29 $\mu g/L$ 1         <1	Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Ethylbenzene	Volatile organics-8260b/BTEX					11/30/05	8260b(5030/5035)					
m,p-Xylenes	Benzene	1.29	μg/L	1	<1	11/30/05	8260b		5.6	95.7	109.5	98
o-Xylene $<1$ $\mu g/L$ $1$ $<1$ $11/30/05$ $8260b$ $1.4$ $104.4$ $111.2$ $108.2$	Ethylbenzene	<1	μg/L	1	<1	11/30/05	8260b		3.1	109	111.8	109.3
	m,p-Xylenes	2	μg/L	2	<2	11/30/05	8260b		1.3	105.3	112	109
Toluene $<1$ $\mu g/L$ $1$ $<1$ $11/30/05$ $8260b$ $$ $4.7$ $104.9$ $114.6$ $102$	o-Xylene	<1	μg/L	1	<1	11/30/05	8260ь		1.4	104.4	111.2	108.2
	Toluene	<1	μg/L	1	<1	11/30/05	8260b		4.7	104.9	114.6	102

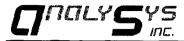
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Respectfully Submitted, express written consent of AnalySys, Inc.

Richard Elton

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Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339 Lea Station

Sample Name: MW-3

Report#/Lab ID#: 173947

Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.9	70-130	11/30/05	
Toluene-d8	8260b	100	80-127	11/30/05	

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



3512 Montopolis Drive, Austin. TX 78744 &

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

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

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Funice.

NM 88231

(505) 394-3481 Phone:

FAX: (505) 394-2601

Report#/Lab ID#: 173948 **Report Date: 12/02/05** 

Project ID: 2003-00339 Lea Station

Sample Name: MW-11 Sample Matrix: water

Date Received: 11/23/2005 Time: 10:30 **Date Sampled:** 11/18/2005 Time: 18:30

#### REPORT OF ANALYSIS

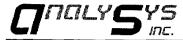
REPORT OF ANALYSIS		QUALITY ASSURANCE DATA 1									
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					12/01/05	8260b(5030/5035)					
Benzene	651	μg/L	5	ర	12/01/05	8260b		5.6	95.7	109.5	98
Ethylbenzene	364	μg/L	5	<5	12/01/05	8260b		3.1	109	111.8	109.3
m,p-Xylenes	46.7	μg/L	10	<10	12/01/05	8260ь		1.3	105.3	112	109
o-Xylene	<1	μg/L	1	<1	12/01/05	8260b	J	1.4	104.4	111.2	108.2
Toluene	<1	μg/L	1	<1	12/01/05	8260b	J	4.7	104.9	114.6	102

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Iain Olness

Attn:

Project ID: 2003-00339 Lea Station

Sample Name: MW-11

Report#/Lab ID#: 173948

Sample Matrix: water

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery Limits</b>	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260ъ	123	70-130	12/01/05	
Toluene-d8	8260ь	95.7	80-127	12/01/05	

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

# A TO 4 10/00/0

Exceptions Report:		
Report #/Lab ID#: 173948 Matrix: Client: Environmental Plus, Inc. Project ID: 2003-00339 Lea Station Sample Name: MW-11	water	Attn: Iain Olness
laboratory within such a short time samples (see sample collection and temperature measurement without	iteria (e e after s 1 sampl	xcept for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to ampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the e receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding ing sample integrity (ex. in a bottle with no cooler).
Sample Bottles & Preservation:		
☐ Sample received in appropriate of	contain	er(s) and appear to be appropriately preserved. er(s). State of sample preservation unknown. iner(s) and/or with unknown state of preservation.
levels/blanks and other potential sources of Because the reported result is below the q	of samp Juantita	er TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background ling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. tion limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)
Comments pertaining to Data Qualifi		
Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.
Notes:		

Toluene	J	See J-flag discussion above.
Notes:		

Iain Olness

Environmental Plus, 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#: 173949 Report Date: 12/02/05

Project ID: 2003-00339 Lea Station

Sample Name: MW-12 Sample Matrix: water

Date Received: 11/23/2005 Time: 10:30 Date Sampled: 11/18/2005 Time: 19:00

Phone: (505) 394-3481

Eunice.

Address: 2100 Ave. O

Client:

Attn:

FAX: (505) 394-2601

NM 88231

#### REPORT OF ANALYSIS

REPORT OF ANALYSIS														
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴			
Volatile organics-8260b/BTEX					11/30/05	8260b(5030/5035)								
Benzene	<l< td=""><td>μg/L</td><td>1</td><td>&lt;1</td><td>11/30/05</td><td>8260b</td><td></td><td>5.6</td><td>95.7</td><td>109.5</td><td>98</td></l<>	μg/L	1	<1	11/30/05	8260b		5.6	95.7	109.5	98			
Ethylbenzene	<i< td=""><td>μg/L</td><td>1</td><td>&lt;1</td><td>11/30/05</td><td>8260ь</td><td></td><td>3.1</td><td>109</td><td>111.8</td><td>109.3</td></i<>	μg/L	1	<1	11/30/05	8260ь		3.1	109	111.8	109.3			
m,p-Xylenes	<2	μg/L	2	<2	11/30/05	8260b		1.3	105.3	112	109			
o-Xylene	<1	μg/L	1	<1	11/30/05	8260b		1.4	104.4	111.2	108.2			
Toluene	<l< td=""><td>μg/L</td><td>1</td><td>&lt;1</td><td>11/30/05</td><td>8260ъ</td><td></td><td>4.7</td><td>104.9</td><td>114.6</td><td>102</td></l<>	μg/L	1	<1	11/30/05	8260ъ		4.7	104.9	114.6	102			

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, express written consent of AnalySys, Inc.

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



3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

(512) 385-5886

FAX (512) 385-7411

Client: Environmental Plus, Inc.

Project ID: 2003-00339 Lea Station

Attn: Iain Olness

Sample Name: MW-12

Report#/Lab ID#: 173949
Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Date Analyze	Data Qualifiers
1,2-Dichloroethane-d4	8260b	93.9	70-130	11/30/05	
Toluene-d8	8260ь	98.4	80-127	11/30/05	

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

## AnalySys Inc.

Chain of Custody Form

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

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

	4X: 512-447-4766						सरक सुन	عد يه ونش	giá gyű nikak	E		·	ora e · ···	ara - ora ar ar secon	Maria de la compansión	£4-4		5 23.	6 100	1			ے شاہ وہ		<del></del>	
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EPI Project Mana											Г	4	_	7											,	ĺ
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City, State, Zip		lew Mexico																								l
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						MAT	ΓRIX			PR	ESE	RV.	SAMPLI	NG											ĺ	
LAB I.D.	SAMPLE I		(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнея:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO4")	Hd	TCLP	OTHER >>>	РАН			
1	MW-1	173945	G	4	X						Х	X		18-Nov-05	17:00	X										
2	MW-2	173946		4	X						X	Х		18-Nov-05	17:30	Х								$\Box$		
3	MW-3	173947	G	4	X						Х	Х		18-Nov-05	18:00	Х								$\sqcap$		
4	MW-11	173948	G	4	X						X	Х		18-Nov-05	18:30	Х										
5	MW-12	173949	G	4	X						Х	Х		18-Nov-05	19:00	X								П		
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Deflivered by:		Sample	Cool	& Int	_				ecked																	

Temp: 2.12



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

#### BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

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

January 27, 2006

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

RE: I

Lea Station Landfarm – Discharge Permit #GW-351 Annual Report – 2005, Dated January 4, 2006 W/2 NW/4 of Section 28, Township 20 South, Range 37 East NMPM, Lea County, New Mexico

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the above report, filed on behalf of Plains Pipeline, L.P. (Plains) by Environmental Plus, Inc. The NMOCD hereby accepts this report with the following conditions:

- 1. Plains intends to move (stockpile) remediated soils into a clean staging area located near the entrance to the facility.
- 2. Plains then intends to use this remediated soil as backfill at Plains remediation sites.
- 3. Plains will not use this soil for any purpose other than that shown in #2 above.
- 4. Soils from sectors C1 through C5 of Cell-C and sectors E2 and E7 through E9 of Cell-E may be used for such purposes. These are the soils that have attained a remediation level of 100 ppm of total petroleum hydrocarbons (TPH) or less.
- 5. Soils that have not attained a remediation level of 100 ppm TPH or less may not be used for such purposes. Soils that fall into this category include sectors E4 (101 ppm TPH) and C9 (103 ppm TPH). Remediated soils from these sectors may not be removed and used as backfill until they have attained 100 ppm TPH or less.

If you have any questions, contact me at (505) 476-3492 or <a href="mailto:ed.martin@state.nm.us">ed.martin@state.nm.us</a>

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin

Environmental Bureau



January 4, 2006

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

JAN & 2006.

Oil Conservation Division 1220 S. St. Francis Drive

Re:

Plains Pipeline Lea Station Landfarm - GW-351

**Annual Report** 

amille Keynolds

W 1/2 of the NW 1/4 of Section 28, Township 20 South, Range 37 East

Lea County, New Mexico

Dear Mr. Martin:

Please find the attached Annual Report, dated December 2005, for the Plains Lea Station Landfarm located in Section 28 of Township 20 South, and Range 37 East of Lea County, New Mexico. This report details activities conducted in accordance with the rules and regulations of the New Mexico Oil Conservation Division during the 2005 calendar year at the Plains Pipeline Lea Station Landfarm.

Should you have any questions or comments, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds

Remediation Coordinator

Plains All American Pipeline

Enclosure

# ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

January 4, 2006

Ed Martin

Environmental Specialist 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re:

Annual Report-2005

Plains Pipeline, L.P. (Company #231735),

Lea Station Landfarm - Discharge Permit #GW-351, (Ref. #2004-00061)

W1/2 of the NW1/4 of Section 28, Township 20 South, Range 37 East, Lea County, New Mexico

Latitude: 32° 32′ 56"N and Longitude: 103° 15′ 45"W

Dear Mr. Martin:

Environmental Plus, Inc. (EPI), on behalf of Plains Pipeline, L.P. (Plains), submits this *Annual Report* for the Plains Lea Station Landfarm being operated and maintained in accordance with New Mexico Oil Conservation Division (NMOCD) Discharge Permit #GW-351. The landfarm is operated by Plains as a "centralized" facility for Plains use only.

#### **DISPOSAL VOLUME**

As of December 31, 2005, a total of 39,629 cubic yards (yd³) of crude oil impacted soils from within the Plains crude oil transmission system have been emplaced in Cell-E, Cell-C and Cell-B.

#### **MAINTENANCE**

Within 72-hours of being dumped, the soil piles were pushed down and contoured into the lift. Disking of the landfarmed soil occurred every 2-weeks. In August 2005, to accelerate attenuation, the impacted soils in Cell-E and Cell-C were processed with a soil pulverizing unit.

#### TREATMENT ZONE MONITORING

On January 16, 2004, prior to initial waste receipt on January 27, 2004, a single soil sample was collected from the treatment zone from an undisturbed location within the landfarm area to establish background concentrations of NMOCD constituents of concern (CoCs) as listed below:

- Total petroleum hydrocarbons (TPH);
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX);
- Anions and cations; and
- RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver).

Analytical results indicated TPH was not detected at or above the method detection limits. The anions and cations and RCRA metals concentrations were typical of undisturbed soil (Reference *Table 1*).

Analytical results (attached) for samples collected on August 31, 2004 from the treatment zones of the active landfarm cells, (i.e., Cell-C and Cell-E) indicate TPH and BTEX were not detected above each analytes respective method detection limit.

Analytical results for samples collected on October 28, 2005 from the treatment zones of the active landfarm cells, (i.e., Cell-B, Cell-C and Cell-E) indicated TPH and BTEX were not detected at or above each analytes respective method detection limit.



The calcium and sodium concentrations in each sample were higher than the background concentrations and was due to the sample matrix being composed of a calcium carbonate based caliche rather than the sand matrix that made up the background sample. The highest chloride concentration was 20.9 mg/Kg from the Cell-E treatment zone sample and is nominally higher than the background chloride concentration of 10.6 mg/Kg.

#### LIFT ZONE MONITORING

On May 12, 2005, 17 equally spaced grab samples were collected from the Cell-E soil lift and submitted to the laboratory for quantification of TPH, BTEX and chloride (reference *Figure 1*). Each grab sample was collected from the surface of the soil lift to a depth of approximately 8-inches, (i.e., the thickness of the soil lift) and represented between 300 and 400 yd³ of soil. TPH concentrations ranged from 2,550 mg/Kg in sample E17, consisting of the most recently emplaced soil, to non-detectable at or above the method detection limit of 10.0 mg/Kg in samples E5, E6 and E14. BTEX was detected in the E17 sample at 0.110 mg/Kg, below the 50 mg/Kg NMOCD remedial goal concentration. BTEX compounds were not detected in the other samples. Chloride concentrations ranged from 0.5 mg/Kg in samples E2 and E7 to 67.2 mg/Kg in the E1 sample. (Reference *Table 2* and *Figure 1*)

On September 8, 2005, to assess the remediation status of the impacted soil after being processed in August 2005, nine equally spaced grab samples were collected from the Cell-E and Cell-C sampling sector grids and submitted to the laboratory for quantification of TPH. Each sampling sector in Cell-E represented between 500 and 700 yd³ of soil and each sampling sector in Cell-C represented between 700 and 900 yd³. TPH concentrations in the Cell-E sampling sectors E2, E7, E8 and E9 were less than the 100 mg/Kg NMOCD remedial goal, while sectors E1 (TPH-128 mg/Kg), E3 (TPH-239 mg/Kg), E4 (TPH-101 mg/Kg), E5 (TPH-165 mg/Kg) and E6 (TPH-493 mg/Kg) were above the remedial goal. The organic vapor headspace readings, submitted in lieu of laboratory BTEX analyses, ranged from 3.1 ppm in sector E8 to 6.5 ppm in sector E7, below the NMOCD acceptable level of 100 ppm (reference *Table 2* and *Figure 2*). TPH concentrations in the Cell-C sampling sectors C1 through C5 were less than the 100 mg/Kg NMOCD remedial goal, while sectors C6 (TPH-337 mg/Kg), C7 (TPH-632 mg/Kg), C8 (TPH-855 mg/Kg), and C9 (TPH-105 mg/Kg) were above the remedial goal. The organic vapor headspace readings ranged from 6 ppm in sector C8 to 20.2 ppm in sector C6, below the NMOCD acceptable level of 100 ppm (reference *Table 2* and *Figure 3*).

#### CONCLUSIONS

Laboratory results from analysis of treatment zone and lift zone samples support the conclusion that the treatment zone remains unaffected by soil emplacement and tilling and impacted soils continue to attenuate. The analytical results from lift samples collected after the August 2005 soil processing event indicates the impacted soils in sectors C1 through C5 of Cell-C and sectors E2 and E7 through E9 of Cell-E have attenuated to below the NMOCD remedial goals. The TPH concentrations reported for the soils in sectors E4 (101 mg/Kg TPH) and C9 (103 mg/Kg TPH) are nominally higher than the NMOCD remedial goal and are within the margin of error of the laboratory equipment.

#### RECOMMENDATIONS

Given the impacted soils in sectors C1 through C5 of Cell-C and sectors E2 and E7 through E9 of Cell-E have attenuated to below the NMOCD remedial goals and the soils in sector E4 and C9 are just above the NMOCD remedial goal, it is recommended these remediated soils be removed from the respective landfarm cells into a clean soil staging area to be located near the entrance of Cell-D (currently inactive) and be utilized as clean backfill at Plains sites.

Should you have any questions or concerns, please call Mr. Iain Olness or myself at (505) 394-3481.



Sincerely,

Pat McCasland

Pat McCasland EPI Consultant

cc:

Jeff Dann, Plains (JPDann@paalp.com)

Camille Reynolds, Plains (CJReynolds@paalp.com)

file

Enclosures:

**TABLES** 

Table 1: Treatment Zone Analytical Results

Table 2: Lift Zone Analytical Results

LABORATORY ANALYTICAL REPORTS

**FIGURES** 

Figure 1: Cell-E Lift Sample Location Map – May 12, 2005

Figure 2: Cell-E Lift Sample Location Map – September 8, 2005

Figure 3: Cell-C Lift Sample Location Map – September 8, 2005

Figure 4: Lea Station Landfarm Survey Map

**PHOTOGRAPHS** 



**TABLES** 

Table 1
Plains Pipeline, L.P. Lea Station Landfarm
Treatment Zone Analytical Results

			Tieumici	it 2011c Milaly tical itc	3 titts							
Sa	ımple Date	1/16/2004	8/3	31/2004	10/28/2005							
Lan	ndfarm Cell	Background	C	Е	В	С	E					
S	ample ID#	CESLELSLF11604BGS	SPLSLF83104CC-4'	SPLSLF83104CE-4'	Cell B Treatment Zone	Cell C Treatment Zone	Cell E Treatment Zone					
	Location	Background	Treatment Zone	Treatment Zone	Treatment Zone	Treatment Zone	Treatment Zone					
	Description	Reddish Sand	Tan Caliche Sand	Tan Caliche Sand	Tan Caliche Sand	Tan Caliche Sand	Tan Caliche Sand					
Sampling Interval	l (feet-bgs¹)	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0					
GRO ²	mg/Kg	<5.0	< 5.0	<5.0	<10.0	<10.0	<10.0					
DRO ³	mg/Kg	<2.5	<2.5	<2.5	<10.0	<10.0	<10.0					
TPH⁴	mg/Kg	<5.0	< 5.0	<5.0	<10.0	<10.0	<10.0					
VOC ⁵	ppm	na	na	na	0.80	1.20	0.30					
BTEX ⁶	mg/Kg	< 0.040	< 0.040	< 0.040	0.12	< 0.025	< 0.025					
Benzene	mg/Kg	< 0.020	< 0.020	< 0.020	< 0.025	< 0.025	< 0.025					
Toluene	mg/Kg	<0.020	< 0.020	< 0.020	0.0159 J ⁷	< 0.025	< 0.025					
Ehtylbenzene	mg/Kg	<0.020	< 0.020	< 0.020	0.03	< 0.025	< 0.025					
m,p-Xylene	mg/Kg	< 0.040	< 0.040	< 0.040	0.09	0.0235 J	< 0.025					
o-Xylene	mg/Kg	< 0.020	< 0.020	< 0.020	0.0190 J	< 0.025	< 0.025					
Chloride (Cl')	mg/Kg	10.6	na ⁸	na	9.37	7.74	20.9					
Sulfate (SO ₄ )	mg/Kg	<5	na	na	24.4	23.1	35.2					
Total Alkalynity	mg/Kg	<50	na	na	433	433	1,580					
Carbonate Alkalynity	mg/Kg	<50	na	na	nr ⁹	nr	nr					
Bicarbonate Alkalynity	mg/Kg	<50	na	na	nr	nr	nr					
Arsenic (As)	mg/Kg	<1	na	na	< 0.400	< 0.400	1.36					
Barium (Ba)	mg/Kg	15.2	na	na	35.8	47.4	111.00					
Cadmium (Cd)	mg/Kg	<2	na	na	0.42	0.97	1.13					
Calcium (Ca)	mg/Kg	664	na	na	30,400	20,800	89,900					
han = balan ground curfe				6 DOUTEN A CA	one teluene ethellesenese	1						

¹bgs = below ground surface

⁶BTEX - Mass sum of benzene, toluene, ethylbenzene and total xylenes

²GRO-Gasoline Range Organics C₆-C₁₂

³DRO-Diesel Range Organics C₁₂-C₃₅

⁴TPH-Total Petroleum Hydrocarbon = GRO+DRO.

⁵VOC = Volatile Organic Constituents

⁷J= Estimated value, analyte detected but less than reporting limit

⁸na = not analyzed

⁹nr = not reported separately for the sample

Table 1
Plains Pipeline, L.P. Lea Station Landfarm

Treatment Zone Analytical Results

	_			it Zone Analytical Ke			
:	Sample Date	1/16/2004	8/:	31/2004		10/28/2005	
La	andfarm Cell	Background	C	Е	В	С	E
	Sample ID#	CESLELSLF11604BGS	SPLSLF83104CC-4'	SPLSLF83104CE-4'	Cell B Treatment Zone	Cell C Treatment Zone	Cell E Treatment Zone
	Location	Background	Treatment Zone	Treatment Zone	Treatment Zone	Treatment Zone	Treatment Zone
	Description	Reddish Sand	Tan Caliche Sand	Tan Caliche Sand	Tan Caliche Sand	Tan Caliche Sand	Tan Caliche Sand
Sampling Interv	al (feet-bgs ¹ )	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0
Chromium (Cr)	mg/Kg	4.42	na	na	1.43	3.81	3.52
Lead (Pb)	mg/Kg	<1	na	na	2.30	< 0.550	2.80
Magnesium (Mg)	mg/Kg	1,540	na na	na	1,350	902	3,680
Mercury (Hg)	mg/Kg	< 0.04	na	na	0.01230 J	0.02204 J	0.01847 J
Potassium (K)	mg/Kg	744	na	na	235	238	506
Selenium (Se)	mg/Kg	<1	na	na	< 0.200	< 0.200	< 0.200
Silver (Ag)	mg/Kg	1.02	na	na	< 0.025	< 0.025	< 0.025
Sodium (Na)	mg/Kg	30.1	na	na	1,420	1,700	2,670
Aluminum (Al)	mg/Kg	2,640	na	na	na	na	na
Beryllium (Be)	mg/Kg	<2	na	na	na	na	na
Boron (B)	mg/Kg	<1	na	na	na	na	na
Cobalt (Co)	mg/Kg	<1	na	na	na	na	na
Copper (Cu)	mg/Kg	<1	na	na	na	na	na
Iron (Fe)	mg/Kg	2,390	na	na	na	na	na
Manganese (Mn)	mg/Kg	38.4	na	na	na	na	na
Molybedenum (Mo)	mg/Kg	<1	na	na	na	na	na
Nickle (Ni)	mg/Kg	1.85	na	na	na	na	na
Strontium (Sr)	mg/Kg	5.94	na	na	na	na	na
Tin (Sn)	mg/Kg	<1	na	na	na	na	na
Vanadium (V)	mg/Kg	6.03	na	na	na	na	na
Zinc (Zn)	mg/Kg	5.66	na	na	na	na	na

¹bgs = below ground surface

⁶BTEX - Mass sum of benzene, toluene, ethylbenzene and total xylenes

²GRO-Gasoline Range Organics C₆-C₁₂

³DRO-Diesel Range Organics C₁₂-C₃₅

⁴TPH-Total Petroleum Hydrocarbon = GRO+DRO.

⁵VOC = Volatile Organic Constituents

⁷J= Estimated value, analyte detected but less than reporting limit

⁸na = not analyzed

⁹nr = not reported separately for the sample

### Table 2

### Plains Pipeline, L.P. Lea Station Landfarm

Lift Zone Analytical Results

Lar	ıdfarm	SAMPLE ID#	Description	Sampling Interval	Date	VOC2	GRO ³	DRO⁴	TPH⁵	BTEX ⁶	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Chloride (Cl)
Cell	Sector			feet-bgs ¹		ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
	C1	PLSLF9805C1	Lift	0-1	9/8/2005	10.4	<10	<10	<10	na ⁷	na	na	na	па	na	na
	C2	PLSLF9805C2	Lift	0-1	9/8/2005	8.3	5.99 J ⁸	39.5	39.5	na	na	na	na	na	na	na
	C3	PLSLF9805C3	Lift	0-1	9/8/2005	16.2	8.93 J	50	50.0	na	na	na	na	na	na	na
	C4	PLSLF9805C4	Lift	0-1	9/8/2005	8.6	7.19 J	90.6	90.6	na	na	na	na	na	na	na
C	C5	PLSLF9805C5	Lift	0-1	9/8/2005	10.5	<10	<10	<10	na	na	na	na	na	na	na
	C6	PLSLF9805C6	Lift	0-1	9/8/2005	20.2	25.2	312	337	na	na	na	na	na	na	na
	C7	PLSLF9805C7	Lift	0-1	9/8/2005	12.9	20.2	612	632	na	na	na	na	na	na	na
	C8	PLSLF9805C8	Lift	0-1	9/8/2005	6	5.49 J	855	855	na	na	na	na	na	na	na
	C9	PLSLF9805C9	Lift	0-1	9/8/2005	7	5.44 J	103	103	na	na	na	na	na	na	na
		PLSLF51205CE-E1	Lift	0-1	5/12/2005	na	10.3	1,590	1,600	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	67.2
	E1	PLSLF51205CE-E2	Lift	0-1	5/12/2005	na	8.71 J	883	883	<0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.5
ľ		PLSLF9805E1	Lift	0-1	9/8/2005	6.4	<10	128	128	na	na	na	na	na	na	na
		PLSLF51205CE-E9	Lift	0-1	5/12/2005	na	12	2,120	2,130	<0.025	<0.025	<0.025	<0.025	<0.025	< 0.025	0.9
	E2	PLSLF51205CE-E10	Lift	0-1	5/12/2005	na	<10	334	334	< 0.025	< 0.025	<0.025	< 0.025	< 0.025	< 0.025	1.8
		PLSLF51205CE-E11	Lift	0-1	5/12/2005	na	21.9	1,550	1,570	<0.025	<0.025	< 0.025	< 0.025	< 0.025	< 0.025	31.9
		PLSLF9805E2	Lift	0-1	9/8/2005	5.2	<10	31.3	31.3	na	na	na	na	na	na	na
$ _{\mathbf{E}} $	E3	PLSLF51205CE-E17	Lift	0-1	5/12/2005	na	73.9	2,480	2,550	0.110	<0.025	0.0126 J	0.033	0.047	0.029	30.3
		PLSLF9805E3	Lift	0-1	9/8/2005	4.3	8.52 J	239	239	na	па	na	na	na	na	na
1		PLSLF51205CE-E12	Lift	0-1	5/12/2005	na	6.57 J	1,180	1,180	< 0.025	<0.025	<0.025	<0.025	< 0.025	< 0.025	30.6
	E4	PLSLF51205CE-E15	Lift	0-1	5/12/2005	na	5.84 J	759	759	< 0.025	<0.025	<0.025	<0.025	< 0.025	< 0.025	0.8
		PLSLF51205CE-E16	Lift	0-1	5/12/2005	na	12.3	1,700	1,710	< 0.025	< 0.025	< 0.025	< 0.025	<0.025	< 0.025	1.9
		PLSLF9805E4	Lift	0-1	9/8/2005	5.8	<10	101	101	na	па	na	na	na	na	na
		PLSLF51205CE-E7	Lift	0-1	5/12/2005	na	5.09 J	151	151	<0.025	< 0.025	< 0.025	<0.025	< 0.025	< 0.025	0.5
	E5	PLSLF51205CE-E8	Lift	0-1	5/12/2005	na	29.2	1,680	1,710	< 0.025	<0.025	<0.025	<0.025	< 0.025	< 0.025	3.1
		PLSLF9805E5	Lift	0-1	9/8/2005	5	10.3	154	164	na	na	na	na	na	na	na

¹bgs – below ground surface

²VOC – Volatile Organic Contaminants/Constituents

³GRO - Gasoline Range Organics C₆-C₁₂

⁴DRO - Diesel Range Organics C₁₂-C₃₅

⁵TPH - Total Petroleum Hydrocarbon = GRO+DRO.

 $^{^6\}mathrm{BTEX}$  - Mass sum of benzene, toluene, ethylbenzene, and xylenes

⁷na = not analyzed

⁸J = Estimated value, analyte detected but less than the reporting limit

Table 2

### Plains Pipeline, L.P. Lea Station Landfarm

Lift Zone Analytical Results

Lat	ndfa <del>r</del> m	SAMPLE ID#	Description	Sampling Interval	Date	VOC²	GRO ³	DRO ⁴	TPH⁵	BTEX ⁶	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Chloride (Cl)
Cell	Sector			feet-bgs ¹		ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
		PLSLF51205CE-E3	Lift	0-1	5/12/2005	na	11.7	1,940	1,950	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.4
	10	PLSLF9805E6	Lift	0-1	9/8/2005	4.7	12.5	480	493	na	na	na	na	na	na	па
		PLSLF51205CE-E13	Lift	0-1	5/12/2005	na	<10	12.9	12.9	<0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.1
	E7	PLSLF51205CE-E14	Lift	0-1	5/12/2005	na	<10	<10	<10	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.9
E		PLSLF9805E7	Lift	0-1	9/8/2005	6.5	<10	<10	<10	na	na	na	na	na	na	na
	E8	PLSLF51205CE-E6	Lift	0-1	5/12/2005	na	<10	<10	<10	< 0.025	<0.025	< 0.025	< 0.025	< 0.025	< 0.025	26.1
	10	PLSLF9805E8	Lift	0-1	9/8/2005	3.1	<10	<10	<10	na	na	na	na	na	na	na
	E9	PLSLF51205CE-E4	Lift	0-1	5/12/2005	na	23	2,190	2,210	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	2.9
	E9	PLSLF51205CE-E5	Lift	0-1	5/12/2005	na	<10	<10	<10	< 0.025	< 0.025	< 0.025	< 0.025	<0.025	< 0.025	2.8
	E9	PLSLF9805E9	Lift	0-1	9/8/2005	5.5	<10	21.3	21.3	na	na	na	na	na	na	na

¹bgs – below ground surface

⁵TPH - Total Petroleum Hydrocarbon = GRO+DRO.

⁶BTEX - Mass sum of benzene, toluene, ethylbenzene, and xylenes

 7 na = not analyzed

 $^{8}J$  = Estimated value, analyte detected but less than the reporting limit

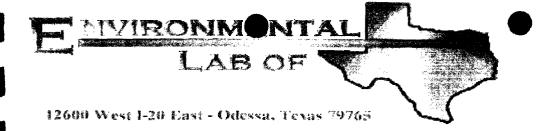
²VOC – Volatile Organic Contaminants/Constituents

³GRO - Gasoline Range Organics C₆-C₁₂

⁴DRO - Diesel Range Organics C₁₂-C₃₅



LABORATORY ANALYTICAL REPORTS



## Analytical Report

### Prepared for:

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

Project: Lea Station Landfarm
Project Number: 2004-00061
Location: Sect. 28, T 20 S, R 37 E

Lab Order Number: 5J31007

Report Date: 11/11/05

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 11/11/05 11:14

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Cell B Treatment Zone	5J31007-01	Soil	10/28/05 09:30	10/31/05 13:00
Cell C Treatment Zone	5J31007-02	Soil	10/28/05 08:30	10/31/05 13:00
Cell E Treatment Zone	5J31007-03	Soil '	10/28/05 07:30	10/31/05 13:00

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 11/11/05 11:14

## Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilust	Data1	Droman- 1	A 1	M-41 1	<b>X</b> T -
		Limi	Omis	Dilution	Batch	Prepared	Analyzed	Method	Not
Cell B Treatment Zone (5J31007-01) S									
Benzene	ND	0.0250	mg/kg dry	25	EK50407	11/04/05	11/04/05	EPA 8021B	
Toluene	J [0.0159]	0.0250	"	"	1r	11	"	*	
Ethylbenzene	0.0273	0.0250	"	**	11	"	16	**	
Xylene (p/m)	0.0896	0.0250	"	11	н	"	н	н	
Xylene (o)	J [0.0190]	0.0250		:	" -	n 			
Surrogate: a,a,a-Trifluorotoluene		81.1 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.9 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	н	1	EK50116	11/01/05	11/03/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	n	"	"	н	**	"	
Total Hydrocarbon C6-C35	ND	10.0					***		
Surrogate: 1-Chlorooctane		83.4 %	70-1	30	"	n	"	"	
Surrogate: 1-Chlorooctadecane		88.2 %	70-1	30	n	"	"	"	
Cell C Treatment Zone (5J31007-02) S	Soil								
Benzene	ND	0.0250	mg/kg dry	25	EK50407	11/04/05	11/04/05	EPA 8021B	
Toluene	ND	0.0250	n	Ħ	**	Ħ	n	11	
Ethylbenzene	ND	0.0250	н		**	n	н	**	
Xylene (p/m)	J [0.0235]	0.0250	11	"	**	"	"	tt.	
Xylene (o)	ND	0.0250	**	"		u	Ħ	**	
Surrogate: a,a,a-Trifluorotoluene	-	84.2 %	80-1.	20	,,	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.7 %	80-1.	20	,,	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK50116	11/01/05	11/03/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	n	n	н	11	11	n	
Total Hydrocarbon C6-C35	ND	10.0	u	"	**	"	"		
Surrogate: 1-Chlorooctane		81.8 %	70-1.	30	"	"	"		
Surrogate: 1-Chlorooctadecane		88.8 %	70-1.	30	"	"	"	"	
Cell E Treatment Zone (5J31007-03) S	oil								
Benzene	ND	0.0250	mg/kg dry	25	EK50407	11/04/05	11/04/05	EPA 8021B	
Toluene	ND	0.0250	**	**	н	n	n	#	
Ethylbenzene	ND	0.0250	и	#	11	*	"	и	
Xylene (p/m)	ND	0.0250	**	•	п	n	"	rt	
Kylene (o)	ND	0.0250	n	**	н	"	n	**	
Surrogate: a,a,a-Trifluorotoluene		84.2 %	80-1	20	"				
Surrogate: 4-Bromofluorobenzene		97.0 %	80-12		"	n	"	"	
Gasoline Range Organics C6-C12	ND	10.0	11	1	EK50116	11/01/05	11/03/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	n	n	**	"	n	n	
Total Hydrocarbon C6-C35	ND	10.0			"		n	,,	

Environmental Lab of Texas

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Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

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#### Organics by GC

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cell E Treatment Zone (5J31007-03) Soil									
Surrogate: 1-Chlorooctane		118 %	70-	130	EK50116	11/01/05	11/03/05	EPA 8015M	•
Surrogate: 1-Chlorooctadecane		101 %	70-	130	"	"	"	"	

Project: Lea Station Landfarm

Project Number: 2004-00061
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported:

11/11/05 11:14

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cell B Treatment Zone (5J31007-01) Soil									
Total Alkalinity	433	6.66	mg/kg	3.33	EK50820	10/31/05	11/01/05	EPA 310.2M	
Chloride	9.37	5.00	**	10	EK50705	11/04/05	11/07/05	EPA 300.0	
% Moisture	6.5	0.1	%	1	EK50104	10/31/05	11/01/05	% calculation	
Sulfate	24.4	5.00	mg/kg	10	EK50705	11/04/05	11/07/05	EPA 300.0	
Cell C Treatment Zone (5J31007-02) Soil									
Total Alkalinity	433	6.66	mg/kg	3.33	EK50820	10/31/05	11/01/05	EPA 310.2M	
Chloride	7.74	5.00	н	10	EK50705	11/04/05	11/07/05	EPA 300.0	
% Moisture	7.0	0.1	%	1	EK50104	10/31/05	11/01/05	% calculation	
Sulfate	23.1	5.00	mg/kg	10	EK50705	11/04/05	11/07/05	EPA 300.0	
Cell E Treatment Zone (5J31007-03) Soil									
Total Alkalinity	1580	6.66	mg/kg	, 3.33	EK50820	10/31/05	11/01/05	EPA 310.2M	
Chloride	20.9	5.00	11	10	EK50705	11/04/05	11/07/05	EPA 300.0	
% Moisture	29.6	0.1	%	1	EK50104	10/31/05	11/01/05	% calculation	
Sulfate	35.2	5.00	mg/kg	10	EK50705	11/04/05	11/07/05	EPA 300.0	

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

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#### Total Metals by EPA / Standard Methods

#### **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Cell B Treatment Zone (5J				Dilution	Daten	Trepared	Anatyzeu	Mediod	1100
Silver	ND	0.250	mg/kg dry	50	EK50201	11/01/05	11/01/05	EPA 6010B	
Arsenic	ND	0.400	"	•	11		11	**	
Barium	35.8	0.0500	н	n	и	н	**	6010B	
Calcium	30400	50.0	n	5000	EK50911	11/09/05	11/09/05	EPA 6010B	
Magnesium	1350	1.00	"	1000	"	"	0	**	
Potassium	235	5.00		100		н	lt.	**	
Sodium	1420	10.0		1000	н	#	11	11	
Cadmium	0.423	0.0500	н	50	EK50201	11/01/05	11/01/05	н	
Chromium	1.43	0.250	•	11	"	n	н	er e	
<b>Mercury</b>	J [0.01230]	0.02500	и	"	EK50211	10/31/05	11/01/05	7471	
_ead	2.30	0.550	11	11	EK50201	11/01/05	11/01/05	EPA 6010B	
elenium	ND	0.200	п	и	"	"	"	ų	
Cell C Treatment Zone (5J	31007-02) Soil								
Silver	ND	0.250	mg/kg dry	50	EK50201	11/01/05	11/01/05	EPA 6010B	
rsenic	ND	0.400	н	**	н	н	11	н	
arium	47.4	0.0500	19	н	**	**	"	6010B	
Calcium	20800	50.0	11	5000	EK50911	11/09/05	11/09/05	EPA 6010B	
/agnesium	902	1.00	н	1000	0	"	n	17	
otassium	238	5.00	**	100	**	11	н	n	
odium	1700	10.0	If	1000	**	н	п	16	
Cadmium	0.973	0.0500	и	50	EK50201	11/01/05	11/01/05	**	
Chromium	3.81	0.250	"		н	Ħ	н	н	
1ercury	J [0.02204]	0.02500	п	n	EK50211	10/31/05	11/01/05	7471	
ead	ND	0.550	n	н	EK50201	11/01/05	11/01/05	EPA 6010B	
elenium	ND	0.200	ti	n	н	**	**	n	
cell E Treatment Zone (5J3	31007-03) Soil								······································
ilver	ND	0.250	mg/kg dry	50	EK50201	11/01/05	11/01/05	EPA 6010B	
rsenic	1.36	0.400	n	**	n	и	н	**	
arium	111	0.0500	п	"	н	11	ti	6010B	
alcium	89900	200	н	20000	EK50911	11/09/05	11/09/05	EPA 6010B	
agnesium	3680	1.00	**	1000	n	"	n	•	
otassium	506	5.00	P1	100	ıı	"	,,	н	
odium	2670	10.0	н	1000	"	**	**	**	
admium	1.13	0.0500	n	50	EK50201	11/01/05	11/01/05	н	
hromium	3.52	0.250	*1	11	ıı	н	**	п	
lercury	J [0.01847]	0.02500	н	11	EK50211	10/31/05	11/01/05	7471	

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Project: Lea Station Landfarm

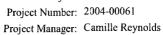
Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

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## Total Metals by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cell E Treatment Zone (5J31007-03) Soil									
Lead	2.80	0.550	mg/kg dry	50	EK50201	11/01/05	11/01/05	EPA 6010B	
Selenium	ND	0.200	II .	"	н	u	41	п	

Project: Lea Station Landfarm



Fax: (432) 687-4914

Reported: 11/11/05 11:14

#### Organics by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK50116 - Solvent Extraction (GC)	200 (Thicke himsteric in Tabulan na				to to					and makes the sign of the Section 1887 at 1887 at 1
Blank (EK50116-BLK1)				Prepared: 1	1/01/05	Analyzed: 11	1/03/05			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet					·· <del></del>		
Diesel Range Organics >C12-C35	ND	10.0	н							
Total Hydrocarbon C6-C35	ND	10.0	**							
Surrogate: 1-Chlorooctane	48.0		mg/kg	50.0		96.0	70-130		·	
Surrogate: 1-Chlorooctadecane	46.8		"	50.0		93.6	70-130			
LCS (EK50116-BS1)				Prepared: 1	1/01/05	Analyzed: 11	/03/05			
Gasoline Range Organics C6-C12	444	10.0	mg/kg wet	500	, .	88.8	75-125			
Diesel Range Organics >C12-C35	379	10.0	"	500		75.8	75-125			
otal Hydrocarbon C6-C35	823	10.0	н	1000		82.3	75-125			
urrogate: 1-Chlorooctane	54.8		mg/kg	50.0		110	70-130			
urrogate: 1-Chlorooctadecane	51.9		"	50.0		104	70-130			
Calibration Check (EK50116-CCV1)				Prepared: 1	1/01/05	Analyzed: 11	/03/05			
asoline Range Organics C6-C12	516		mg/kg	500		103	80-120			
riesel Range Organics >C12-C35	442		и	500		88.4	80-120			
otal Hydrocarbon C6-C35	958		11	1000		95.8	80-120			
urrogate: 1-Chlorooctane	58.4		"	50.0		117	70-130			
urrogate: 1-Chlorooctadecane	63.6		"	50.0		127	70-130			
atrix Spike (EK50116-MS1)	Sour	ce: 5J31007	-02	Prepared: 1	1/01/05 A	Analyzed: 11	/03/05			
asoline Range Organics C6-C12	506	10.0	mg/kg dry	538	ND	94.1	75-125			
iesel Range Organics >C12-C35	485	10.0	n	538	ND	90.1	75-125			
otal Hydrocarbon C6-C35	991	10.0	n	1080	ND	91.8	75-125			
urrogate: I-Chlorooctane	55.5		mg/kg	50.0		111	70-130		<del></del>	
urrogate: 1-Chlorooctadecane	53.5		"	50.0		107	70-130			
latrix Spike Dup (EK50116-MSD1)	Sour	ce: 5J31007-	-02	Prepared: 1	1/01/05 A	Analyzed: 11	/03/05			
asoline Range Organics C6-C12	511	10.0	mg/kg dry	538	ND	95.0	75-125	0.983	20	
iesel Range Organics >C12-C35	485	10.0	11	538	ND	90.1	75-125	0.00	20	
otal Hydrocarbon C6-C35	996	10.0	н	1080	ND	92.2	75-125	0.503	20	
urrogate: 1-Chlorooctane	55.0		mg/kg	50.0		110	70-130			
urrogate: 1-Chlorooctadecane	51.6		,,	50.0		103	70-130			

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 11/11/05 11:14

### Organics by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK50407 - EPA 5030C (GC)										
Blank (EK50407-BLK1)				Prepared &	Analyzed	: 11/04/05				
Benzene	ND	0.0250	mg/kg wet				-			
Toluene	ND	0.0250	**							
Ethylbenzene	ND	0.0250	H							
Xylene (p/m)	ND	0.0250	п							
Xylene (o)	ND	0.0250	ti							
Surrogate: a,a,a-Trifluorotoluene	0.0321		<del>"</del>	0.0400		80.2	80-120	-		
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400		96.0	80-120			
LCS (EK50407-BS1)				Prepared &	Analyzed:	11/04/05				
Benzene	0.0425	0.00100	mg/kg wet	0.0500		85.0	80-120			
Toluene	0.0437	0.00100	**	0.0500		87.4	80-120			
Ethylbenzene	0.0413	0.00100	"	0.0500		82.6	80-120			
Xylene (p/m)	0.0819	0.00100	"	0.100		81.9	80-120			
Xylene (o)	0.0429	0.00100	н	0.0500		85.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0340		<i>n</i>	0.0400		85.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0333		"	0.0400		83.2	80-120			
Calibration Check (EK50407-CCV1)				Prepared: 1	1/04/05 A	nalyzed: 11	/07/05			
Benzene	40.2		ug/kg	50.0		80.4	80-120			
Toluene	40.7		"	50.0		81.4	80-120			
Ethylbenzene	40.6		11	50.0		81.2	80-120			
Xylene (p/m)	82.5		"	100		82.5	80-120			
Xylene (o)	41.8		н	50.0		83.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0355		mg/kg wet	0.0400		88.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400		95.8	80-120			
Matrix Spike (EK50407-MS1)	Sour	ce: 5K01002	-02	Prepared: 1	1/04/05 Aı	nalyzed: 11	/07/05			
Benzene	0.0479	0.00100	mg/kg dry	0.0583	ND	82.2	80-120			
Гојиеле	0.0515	0.00100	н	0.0583	ND	88.3	80-120			
Ethylbenzene	0.0521	0.00100	11	0.0583	ND	89.4	80-120			
Xylene (p/m)	0.102	0.00100	н	0.117	ND	87.2	80-120			
Xylene (o)	0.0534	0.00100	11	0.0583	ND	91.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0429		<del>"</del>	0.0467		91.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0528		n	0.0467		113	80-120			

Project: Lea Station Landfarm

Project Number: 2004-00061
Project Manager: Camille Reynolds

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#### Organics by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK50407 - EPA 5030C (GC)										
Matrix Spike Dup (EK50407-MSD1)	Sour	rce: 5K01002	-02	Prepared: 1	1/04/05 Ar.	nalyzed: 11.	/07/05			
Benzene	0.0480	0.00100	mg/kg dry	0.0583	ND	82.3	80-120	0.122	20	
Toluene	0.0516	0.00100	*	0.0583	ND	88.5	80-120	0.226	20	
Ethylbenzene	0.0520	0.00100	n	0.0583	ND	89.2	80-120	0.224	20	
Xylene (p/m)	0.102	0.00100	n	0.117	ND	87.2	80-120	0.00	20	
Xylene (o)	0.0533	0.00100	11	0.0583	ND	91.4	80-120	0.219	20	
Surrogate: a,a,a-Trifluorotoluene	0.0443		"	0.0467		94.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0546		"	0.0467		117	80-120			

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds

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## 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 EK50104 - General Preparation (P	rep)									
Blank (EK50104-BLK1)				Prepared: 1	10/31/05 A	analyzed: 1	1/01/05			
% Solids	100		%					_		
Duplicate (EK50104-DUP1)	Sour	·ce: 5J28007-	01	Prepared: 1	10/31/05 A	nalyzed: 1	1/01/05			
% Solids	80.3		%	•	78.3			2.52	20	
Batch EK50705 - Water Extraction										
Blank (EK50705-BLK1)				Prepared: 1	1/04/05 A	nalyzed: 1	1/07/05			
Sulfate	ND	0.500	mg/kg						. —	
Chloride	ND	0.500	и							
LCS (EK50705-BS1)				Prepared: 1	1/04/05 A	nalyzed: 11	1/07/05			
Chloride	8.46		mg/L	10.0		84.6	80-120			_
Sulfate	9.34		"	10.0		93.4	80-120			
Calibration Check (EK50705-CCV1)				Prepared: 1	1/04/05 A	nalyzed: 11	/07/05			
Sulfate	9.58		mg/L	10.0		95.8	80-120			
Chloride	8.61		"	10.0		86.1	80-120			
Duplicate (EK50705-DUP1)	Sour	ce: 5J31007-0	)1	Prepared: 1	1/04/05 A	nalyzed: 11	/07/05			
Sulfate	22.1	5.00	mg/kg		24.4	-		9.89	20	_
Chloride	8.03	5.00	"		9.37			15.4	20	
Batch EK50820 - Water Extraction										
Blank (EK50820-BLK1)				Prepared: 1	0/28/05 A	nalyzed: 11	/01/05			
Total Alkalinity	ND	2.00	mg/kg					***************************************		

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Project Manager: Camille Reynolds

### General Chemistry Parameters by EPA / Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK50820 - Water Extraction							<b>1</b>			
Calibration Check (EK50820-CCV1)				Prepared &	Analyzed:	11/01/05				
Bicarbonate Alkalinity	229		mg/kg	200		114	80-120			
Duplicate (EK50820-DUP1)	Sour	rce: 5J24018-1	16	Prepared: 1	0/28/05 Ar	nalyzed: 11	/01/05			
Total Alkalinity	0.00	10.0	mg/kg		20.0				20	

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## Total Metals by EPA / Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Kesuit	Limit	Ullis	Level	Kesuit	70KEC	Limits	Kr <i>u</i>	Limit	INOICS
Batch EK50201 - EPA 3050B										
Blank (EK50201-BLK1)				Prepared:	10/27/05 Ar	nalyzed: 11	/01/05			
Selenium	ND	0.00400	mg/kg wet					· <del>-</del>		
Arsenic	ND	0.00800	n							
Chromium	ND	0.00500	"							
Lead	ND	0.0110	н							
Barium	ND	0.00100	**							
Cadmium	ND	0.00100	н							
Silver	ND	0.00500	**							
LCS (EK50201-BS1)				Prepared: 1	0/27/05 An	alyzed: 11	/01/05			
Silver	0.112	0.00500	mg/kg wet	0.100	-	112	75-125	-		
Selenium	0.373	0.00400	"	0.400		93.2	85-115			
Lead	1.08	0.0110	"	1.10		98.2	85-115			
Chromium	0.175	0.00500	"	0.200		87.5	85-115			
Arsenic	0.878	0.00800	**	0.800		110	85-115			
Barium	0.219	0.00100	н	0.200		110	85-115			
Cadmium	0.202	0.00100	11	0.200		101	85-115			
LCS Dup (EK50201-BSD1)				Prepared: 1	0/27/05 An	alyzed: 11	/01/05			
Silver	0.103	0.00500	mg/kg wet	0.100		103	75-125	8.37	20	
Chromium	0.206	0.00500	"	0.200		103	85-115	16.3	20	
Cadmium	0.204	0.00100	**	0.200		102	85-115	0.985	20	
Arsenic	0.883	0.00800	11	0.800		110	85-115	0.568	20	
Lead	1.08	0.0110	н	1.10		98.2	85-115	0.00	20	
Selenium	0.380	0.00400		0.400		95.0	85-115	1.86	20	
Barium	0.223	0.00100	t <del>t</del>	0.200		112	85-115	1.81	20	
Calibration Check (EK50201-CCV1)				Prepared: 1	0/27/05 An	alyzed: 11/	/01/05			
Chromium	0.999		mg/kg	1.00		99.9	90-110			
Lead	1.02		11	1.00		102	90-110			
Selenium	1.02		"	1.00		102	90-110			
Cadmium	1.08		11	1.00		108	90-110			
Barium	0.980		n	1.00		98.0	90-110			
Arsenic	1.04		и	1.00		104	90-110			
Silver	0.542		n	0.500		108	90-110			

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## Total Metals by EPA / Standard Methods - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EK50201 - EPA 3050B									·	
Matrix Spike (EK50201-MS1)	Sour	rce: 5J24008	-05	Prepared:	10/27/05 A	nalyzed: 11	/01/05		man man	
elenium	14.7	0.200	mg/kg dry	21.7	ND	67.7	75-125			PS
ead	65.4	0.550	н	59.7	9.53	93.6	75-125			
Chromium	18.7	0.250	**	10.8	8.30	96.3	75-125			
Barium	283	0.0500	"	10.8	357	NR	75-125			PS
rsenic	48.8	0.400	н	43.4	5.97	98.7	75-125			
ilver	11.0	0.250	n	5.42	ND	203	75-125			PS
admium	12.5	0.0500	и	10.8	3.00	88.0	75-125			
latrix Spike (EK50201-MS2)	Sour	ce: 5J24008	-05	Prepared: 1	0/27/05 Aı	nalyzed: 11	/11/05			
ilver	ND	0.00500	mg/kg dry	54.2	ND		75-125			
admium	ND	0.00100	"	108	3.00	NR	75-125			
hromium	ND	0.00500	н	108	8.30	NR	75-125			
ead	ND	0.0110	11	597	9.53	NR	75-125			
elenium	ND	0.00400	и	217	ND		75-125			
rsenic	ND	0.00800	**	434	5.97	NR	75-125			
arium	ND	0.00100	"	108	357	NR	75-125			
ost Spike (EK50201-PS1)	Sour	ce: 5J24008-	-05	Prepared: 1	0/27/05 Ar	nalyzed: 11	/11/05			
ead	ND	0.0110	mg/kg dry	59.7	9.53	NR	75-125			
elenium	16.4	0.200	***	21.7	ND	75.6	85-115			PS-
hromíum	ND	0.00500	"	10.8	8.30	NR	85-115			
admium	ND	0.00100	**	10.8	3.00	NR	75-125			
arium	353	0.0500	н	10.8	357	NR	85-115			PS-
rsenic	ND	0.00800	n	43.4	5.97	NR	75-125			
lver	7.45	0.250	11	5.42	ND	137	85-115			PS-
ost Spike (EK50201-PS2)	Sour	ce: 5J24008-	05	Prepared: 1	0/27/05 An	nalyzed: 11.	/11/05			
elenium	ND	0.00400	mg/kg dry	108	ND		75-125	-		
rsenic	ND	0.00800	**	217	5.97	NR	75-125			
arium	ND	0.00100	**	54.2	357	NR	75-125			
admium	ND	0.00100	•	54.2	3.00	NR	75-125			
hromium	ND	0.00500	н	54.2	8.30	NR	85-115			
ead	ND	0.0110	"	298	9.53	NR	75-125			
lver	ND	0.00500	u	27.1	ND		85-115			

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### Total Metals by EPA / Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK50211 - EPA 7471A										
Blank (EK50211-BLK1)				Prepared: 1	0/31/05 Aı	nalyzed: 11	/01/05			
Mercury	ND	0.0005000	mg/kg wet							
LCS (EK50211-BS1)		_		Prepared: 1	0/31/05 Ar	nalyzed: 11	/01/05			
Mercury	0.00100	0.0005000	mg/kg wet	0.00100		100	85-115			
LCS Dup (EK50211-BSD1)				Prepared: 1	0/31/05 Ar	nalyzed: 11	/01/05			
Mercury	0.000970	0.0005000	mg/kg wet	0.00100		97.0	85-115	3.05	20	
Calibration Check (EK50211-CCV1)				Prepared: 1	0/31/05 Ar	nalyzed: 11.	/01/05			
Mercury	0.000900		mg/kg	0.00100		90.0	90-110			
Matrix Spike (EK50211-MS1)	Sou	rce: 5J24008	-05	Prepared: 1	0/31/05 An	nalyzed: 11.	/01/05			
Mercury	0.118	0.0005000	mg/kg dry	0.0542	0.07375	81.6	75-125			
Matrix Spike Dup (EK50211-MSD1)	Sou	rce: 5J24008	-05	Prepared: 1	0/31/05 An	nalyzed: 11	/01/05			
Mercury	0.129	0.0005000	mg/kg dry	0.0542	0.07375	102	75-125	8.91	20	
Batch EK50911 - 6010B/No Digestion										
Blank (EK50911-BLK1)				Prepared &	Analyzed:	11/09/05				
Calcium	ND	0.0100	mg/kg wet							· ·- =
Magnesium	ND	0.00100	**							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	**							
Calibration Check (EK50911-CCV1)				Prepared &	Analyzed:	11/09/05				
Calcium	1.90		mg/kg	2.00		95.0	85-115			
Magnesium	2.00		n	2.00		100	85-115			
Potassium	1.96		***	2.00		98.0	85-115			
Sodium	1.87		n	2.00		93.5	85-115			

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### Total Metals by EPA / Standard Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK50911 - 6010B/No Digestio	n									
Duplicate (EK50911-DUP1)	Source	e: 5J31007	-02	Prepared &	Analyzed:	11/09/05				
Calcium	21400	50.0	mg/kg dry		20800	-		2.84	20	
Magnesium	926	1.00	**		902			2.63	20	
Potassium	229	5.00	"		238			3.85	20	
Sodium	1660	10.0	н		1700			2.38	20	

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#### Notes and Definitions

PS-1 Matix spike recoveries were outside method and/or historical control limits due to matrix interference. Interference was confirmed by similar results from a post matrix spike.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

	Kaland K Julis		
Report Approved By:	Cooking 183	Date:	11/11/2005

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

## Chain of Custody Form

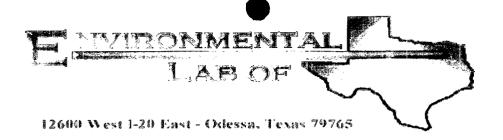
## Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231

P.O. Box 1558, Eunice, NM 88231

	FAX: (505) 394-2601																					<i></i>			
Company Name		, Inc	<b>).</b>								E	iilej	o .				A	VAL	YSI	SR	ΕQ	UES	T.		
EPI Project Man											-														
Mailing Address											<b>N</b>	Ť	Company												
City, State, Zip	Eunice New Mexico																								
EPI Phone#/Fax	# 505-394-3481 / 505-	394-	260	1							TAT	A	AIC												
Client Company	Plains Marketing									٠	ALL		II.						- Table 1						
Facility Name	Lea Station Landfai										PIPI	IINE	LLP												
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			and the same			MA	rix		****	PR	ESE	RV.	SAMPLI	NG											
LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO ₄ ")	pH	Anions & Cations	RCRA Wetals (8)	PAN			
<u>0(</u>	Cell B Treatment Zone	C	3			Х					X		28-Oct-05	9:30	X	X				X	X				
-11/2	Cell C Treatment Zone	C	3			X					X		28-Oct-05	8.30	X	X				X	X				
-W ₂	Cell E Treatment Zone	C	3			Х					X		28-Oct-05	7:30	X	X				X	X				
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Sampler Relinquished: Relinquished by	Date Time Time  Date Time  Date Time  Date Time  Date Time  Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Time Date Date Time Date Date Date Date Date Date Date Dat	1	elved elved	X0/	1	llon on the second						nail r MARKS	results to: pmcc 3:	asland@e				la.	55						
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<del></del>	Variance / C	orrective Acti	on Repor	t-5	ample Log-in	
	Dlaine			4		
Client:	<u>Plains</u>					
Date/Time:	10/31/05	13:00				
Order #:	5531007	##~***********************************				
Initials:	<u>Ck</u>					
•		Sample Rec	eint Checkl	ist		
Temperature of	container/cooler?	agridio sera	Yes	No	8.5 C	
	ner/cooler in good cond	dition?	(Yes)	No	3:	
	ntact on shipping conta		Yes	No	< Not present	•
	ntact on sample bottles		Yes,	No	Not present	
Chain of custod		M. A	Yes	No		
Sample Instruct	ions complete on Chai	n of Custody?	Yes.	No		
Chain of Custon	ly signed when relinqu	ished and received?	Yes	No		
	y agrees with sample I		YE	No		
	s legible and intact?		Yes,	No		
	and properties same as	on chain of custody?		No		
	oer container/bottle?		(**ES)	No		
Samples proper		**************************************	Yes	(ON	*	
Sample bottles		······································	(YES	No		
	ocumented on Chain o	of Custody?	Yes	No		
	umented on Chain of C		Yes	No		
	le amount for indicated		Yes	No		
	eived within sufficient h		Yes	No		
	nave zero headspace?		Y ES	No	Not Applicable	
Other observ	vations: <u>Sandes a</u> said bkay.	ere above	4°C .	Int	formed client	and
Contact Pers Regarding:	son: - <u>1858 M.</u>	Variance Do Date/Time: _	ocumentatio	on: 3:00	Contacted by:	eley
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## Analytical Report

### Prepared for:

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

Project: Lea Station Landfarm
Project Number: 2004-00061
Location: Lea

Lab Order Number: 5E12014

Report Date: 05/17/05

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 05/17/05 09:05

#### ANALYTICAL REPORT FOR SAMPLES

Sample I D	Laboratory ID	Matrix	Date Sampled	Date Received
PLSLF51205CE-E1	5E12014-01	Soil	05/12/05 10:10	05/12/05 16:27
PLSLF51205CE-E2	5E12014-02	Soil	05/12/05 10:15	05/12/05 16:27
PLSLF51205CE-E3	5E12014-03	Soil	05/12/05 10:20	05/12/05 16:27
PLSLF51205CE-E4	5E12014-04	Soil	05/12/05 10:25	05/12/05 16:27
PLSLF51205CE-E5	5E12014-05	Soil	05/12/05 10:30	05/12/05 16:27
PLSLF51205CE-E6	5E12014-06	Soil	05/12/05 10:35	05/12/05 16:27
PLSLF51205CE-E7	5E12014-07	Soil	05/12/05 10:40	05/12/05 16:27
PLSLF51205CE-E8	5E12014-08	Soil	05/12/05 10:45	05/12/05 16:27
PLSLF51205CE-E9	5E12014-09	Soil	05/12/05 10:50	05/12/05 16:27
PLSLF51205CE-E10	5E12014-10	Soil	05/12/05 10:55	05/12/05 16:27
PLSLF51205CE-E11	5E12014-11	Soil	05/12/05 11:00	05/12/05 16:27
PLSLF51205CE-E12	5E12014-12	Soil	05/12/05 11:05	05/12/05 16:27
PLSLF51205CE-E13	5E12014-13	Soil	05/12/05 11:10	05/12/05 16:27
PLSLF51205CE-E14	5E12014-14	Soil	05/12/05 11:15	05/12/05 16:27
PLSLF51205CE-E15	5E12014-15	Soil	05/12/05 11:20	05/12/05 16:27
PLSLF51205CE-E16	5E12014-16	Soil	05/12/05 11:25	05/12/05 16:27
PLSLF51205CE-E17	5E12014-17	Soil	05/12/05 11:30	05/12/05 16:27

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 05/17/05 09:05

# Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
PLSLF51205CE-E1 (5E12014-01) Soil	.1000			Director	Dator	Поредеси	Alayzou		1100
Benzene	ND	0.0250	mg/kg dry	25	EE51311	06/13/05	05/13/05	EPA 8021B	
Toluene	ND	0.0250	"	a a	u	п	"	и	
Ethylbenzene	ND	0.0250		n			n		
Xylene (p/m)	ND	0.0250	"	n	u	н	н	н	
Xylene (o)	ND	0.0250	n	"				и	
Surrogate a,a,a-Trifluorotoluene		97.2 %	80-	120	"	"	и	n	
Surrogate 4-Bromofluorobenzene		91.5 %	80-	120	u			"	
Gasoline Range Organics C6-C12	10.3	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	1590	10.0	н		11	u	и	u	
Total Hydrocarbon C6-C35	1600	10.0	a	н	н	н	и	u	
Surrogate 1-Chlorooctane		81.8 %	70-	130	,,	"	и	н	
Surrogate 1-Chloroodadeca ne		99.4 %	70-	130	н	н	и	u	
PLSLF51205CE-E2 (5E12014-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	13-		n	и	u	и	
Ethylbenzene	ND	0.0250	n	н	B-		n	a	
Xylene (p/m)	ND	0.0250	н	u	u	n	u	u	
Xylene (o)	ND	0.0250		n		н	а		
Surrogate: a,a,a-Trifluorotoluene		93.1 %	80-	120	ıı .	и	"	"	
Surrogate: 4-Bromofluorobenzene		90.9 %	80-	120		,,	"	**	
Gasoline Range Organics C6-C12	J [8.71]	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/06	EPA 8015M	
Diesel Range Organics > C12-C35	883	10.0	и	н	u	в	u	U	
Total Hydrocarbon C6-C35	883	10.0	и	Ħ		*	•	ti	
Surrogate 1-Chloroodane		85.4 %	<i>70</i> -	130	u	"	u	u	
Surrogate: 1-Chlorooctadeca ne		94.0 %	70-	130	"	"	u	u	
PLSLF51205CE-E3 (5E12014-03) Soil									
	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	н		n		0	н	
Ethylbenzene	ND	0.0250	н		н	n	н	ä	
Kylene (p/m)	ND	0.0250	u		u		ш	н	
Xylene (o)	ND	0.0250	И		11	н			
Surrogate: a,a,a-Trifluorotoluene		99.4 %	<i>80</i> -1	120	п	"	n	u	
Surrogate: 4-Bromofluorobenzene		93.4 %	<i>80</i> -	120	и	u	,	4	
Gasoline Range Organics C6-C12	11.7	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	1940	10.0	u	u	n	п	u	н	
Fotal Hydrocarbon C6-C35	1950	10.0	u	и	н	u	u	н	

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.

Page 2 of 17

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 05/17/05 09:05

# Organics by GC Environmental Lab of Texas

	<b>-</b>	Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
PLSLF51205C E-E3 (5E12014-03) Soil									
Surrogate 1-Chlorooctane		85.6 %	70-1	130	EE51304	05/13/05	05/14/05	EPA 8015M	
Surrogate 1-Chlorooctadeca ne		97.8 %	<i>70</i> -1	130	u	н	н	n	
PLSLF51205CE-E4 (5E12014-04) Soil				_					
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	"	n					
Ethylbenzene	ND	0.0250			**		•		
Xylene (p/m)	ND	0.0250		n	11	II .	n	"	
Xylene (o)	ND	0.0250	u		u			IP.	
Surrogate a,a,a-Trifluorotoluene		104 %	80-1	20	и	и	"	n	
Surrogate 4-Bromofluorobenzene		92.9 %	80-1	20	,,	u	,,	#	
Gasoline Range Organics C6-C12	23.0	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	2190	10.0	п	a		n			
Total Hydrocarbon C6-C35	2210	10.0			н	11	п	"	
Surrogate 1-Chloroodane		93.2 %	70-1	30	н	H	u	я	
Surrogate 1-Chloroodadeca ne		99.0 %	70-1	30	u	"	*	#	
PLSLF51205CE-E5 (5E12014-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250		u	ч			H	
Ethylbenzene	ND	0.0250	"	u		n n	n	u	
Xylene (p/m)	ND	0.0250			n	н	a	ii	
Xylene (o)	ND	0.0250	u	19		a		н	
Surrogate a,a,a-Trifluorotoluene		105 %	80-1	20	n	В	в	u	
Surrogate 4-Bromofluorobenzene		100 %	80-1	20	и	n	n	u	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0		n	a	u		u	
Total Hydrocarbon C6-C35	ND	10.0		н		n		ij	
Surrogate 1-Chloroodane		90.0 %	70-1	30	u u	u	a	"	***************************************
Surrogate: 1-Chlorooctadeca ne		85.4 %	70-1	30		"			

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

**Reported:** 05/17/05 09:05

# Organics by GC Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzedi	Method	Note
PLSLF51205CE-E6 (5E12014-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	11	11		u	n		
Ethylbenzene	ND	0.0250	u	н		4	и	n	
Xylene (p/m)	ND	0.0250	n		e	H	N		
Xylene (o)	ND	0.0250	и	u	п		ti-	R	
Surrogate a,a,a-Trifluorotoluene		106 %	80-	120	n	"	н	и	
Surrogate: 4-Bromofluorobenzene		107 %	80-	120	н		n	и	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	ш	u		rt	n	a	
Total Hydrocarbon C6-C35	ND	10.0	u	u	и	u	n	Ħ	
Surrogate 1-Chloroodane		89.4 %	70-	130	#	pt .	, n	п	
Surrogate 1-Chlorooctadeca ne		<i>87.8</i> %	<i>70</i> -	130	n	H	n	n	
PLSLF51205CE-E7 (5E12014-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250		п	n	a	it		
Ethylbenzene	ND	0.0250		u	n	n	u	п	
Xylene (p/m)	ND	0.0250		и	n	н	n.	н	
Xylene (o)	ND	0.0250	n		u	u	n	n	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-	120	н	"	н	н	
Surrogate: 4-Bromofluorobenzene		92.5 %	<i>80</i> -1	120	,,	n	n	н	
Gasoline Range Organics C6-C12	J [5.09]	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	151	10.0	u		н	n		п	
Total Hydrocarbon C6-C35	151	10.0	**	u	n	н	μ		
Surrogate: 1-Chlorooctane		87.0 %	70-1	130	в	и		и	
Surrogate: 1-Chloroodadeca ne		89.2 %	<b>70</b> -1	130	u	"	u	и	
PLSLF51205CE-E8 (5E12014-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	06/14/05	EPA 8021B	
Toluene	ND	0.0250	0	v			и		
Ethylbenzene	ND	0.0250		11	а	u	•	n	
Xylene (p/m)	ND	0.0250	н			s	n	u	
Xylene (o)	ND	0.0250	*	R	и		u	u	
Surrogate: a,a,a-Trifluorotoluene		97.3 %	<i>80-</i> 1	20	н	"	п	u .	···
Surrogate 4-Bromofluorobenzene		95.3 %	80-1	20		Ħ	#	ŧ	
Gasoline Range Organics C6-C12	29.2	10.0	mg/kg dry	1	EE51304	05/13/05		EPA 8015M	
Diesel Range Organics > C12-C35	1680	10.0	н		n	±1		п	
Fotal Hydrocarbon C6-C35	1710	10.0	n	в	и	II .	п	ü	

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.

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

Reported: 05/17/05 09:05

## Organics by GC Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
PLSLF51205CE-E8 (5E12014-08) Soil									
Surrogate 1-Chloroodane		84.0 %	<i>70</i> -	130	EE51304	05/13/05	05/14/05	EPA 8015M	***
Surrogate 1-Chlorocotadeca ne		89.0 %	<i>70</i> -	130	u	u	**	Ħ	
PLSLF51205CE-E9 (5E12014-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	"	н	u	"		u	
Ethylbenzene	ND	0.0250	н		u		n	и	
Xylene (p/m)	ND	0.0250	n	a	u			H	
Xylene (o)	ND	0.0250	ш	и	"	a	u	D·	
Surrogate a,a,a-Trifluorotoluene	·	99.3 %	80-	120	и	u	"	n	
Surrogate 4-Bromofluorobenzene		<i>82.2</i> %	80-	120	*	"	*	#	
Gasoline Range Organics C6-C12	12.0	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	2120	10.0	R	W	n	"	*	и	
Total Hydrocarbon C6-C35	2130	10.0			а	Ħ	n		
Surrogate: 1-Chloroodane		85.0 %	70-	130	"	u	u	и	
Surrogate 1-Chloroodadeca ne		99.2 %	70-	130	W	u	н	n	
PLSLF51205CE-E10 (5E12014-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Taluene	ND	0.0250	n				11	u	
Ethylbenzene	ND	0.0250	a		n	p			
Xylene (p/m)	ND	0.0250		a		u	u	q	
Xylene (o)	ND	0.0250	H	н	n	u		n	
Surrogate: a,a,a-Trifluorotoluene	***	100 %	80-	120	"	N N	и	u	
Surrogate 4-Bromofluorobenzene		99.2 %	80-	120	*	u	"	н	
Gæoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	334	10.0			u	n	n		
Total Hydrocarbon C6-C35	334	10.0	a	н	и	ш	n	в	
Surrogate 1-Chloroodane		89.0 %	70-	130	n	n	v	v	
Surrogate: 1-Chlorooctadeca ne		91.8 %	<i>70</i> -	130		*	n	п	

Project: Lea Station Landfarm

Project Number: 2004-00061
Project Manager: Camille Reynolds

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# Organics by GC Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
PLSLF51205CE-E11 (5E12014-11) Soil				ı		******		·····	
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	н	li .	н	и			
Ethylbenzene	ND	0.0250	41	"			μ	Nt.	
Xylene (p/m)	ND	0.0250	n	11	u	п	u	a	
Xylene (o)	ND	0.0250	u	u		•	**	a .	
Surrogate a,a,a-Trifluorotoluene	· .	100 %	80-	120	и	и	и	и	
Surrogate 4-Bromofluorobenzene		103 %	80-	120	N	u	u	и	
Gasoline Range Organics C6-C12	21.9	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	1550	10.0	u	B	н			U-	
Total Hydrocarbon C6-C35	1570	10.0	н	14	u	*	u	н	
Surrogate: 1-Chlorooctane		96.0 %	70-	130	и	п	"	п	· · · · · · · · · · · · · · · · · · ·
Surrogate: 1-Chlorooctadeca ne		101 %	70-	130	u	u	n	а	
PLSLF51205CE-E12 (5E12014-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	н	n	в		II	"	
Ethylbenzene	ND	0.0250	и	и	u	u	·		
Xylene (p/m)	ND	0.0250	**	п	a	"		u	
Xylene (o)	ND	0.0250		u		u		н	
Surrogate a,a,a-Trifluorotoluene		98.5 %	80-	120	u	н	н	u	
Surrogate 4-Bromofluorobenzene		101 %	80-	120	"	"	"	H.	
Gasoline Range Organics C6-C12	J [6.57]	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics > C12-C35	1180	10.0	н	н	4		u	8	
Total Hydrocarbon C6-C35	1180	10.0	u		u		v	4	
Surrogate 1-Chloroodane		84.2 %	<i>70</i> -	130	n	п	"	и	
Surrogate 1-Chlorooctadeca ne		102 %	<i>70</i> -	130	u	*	u	и	
PLSLF51205CE-E13 (5E12014-13) Soil									
3enzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	и	н	и	н		n	
Ethylbenzene	ND	0.0250	и	п	ď		ıı	u	
Xylene (p/m)	ND	0.0250	ii	H	•		и	и	
Kylene (o)	ND	0.0250	"	4	u .	n	II .	44	
Surrogate a,a,a-Trifluorotoluene		97.9 %	80-	120	и	"	n	и	
Surrogate 4-Bromofluorobenzene		80.9 %	80-	120	"	"	н	u	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	12.9	10.0		н		н		н	
Fotal Hydrocarbon C6-C35	12.9	10.0	н	0	H	н	н	п	

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.

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

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# Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PLSLF51205CE-E13 (5E12014-13) Soil									
Surrogate 1-Chloroodane		86.8 %	70-	130	EE51304	05/13/05	05/14/05	EPA 8015M	
Surrogate 1-Chloroodadeca ne		91.2 %	70-	130	u	"	н	п	
PLSLF51205CE-E14 (5E12014-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	"	u	н	и	u	U	
Ethylbenzene	ND	0.0250	u	u	n	u	•	n	
Xylene (p/m)	ND	0.0250	н	п	11	n		u	
Xylene (o)	ND	0.0250		и	u	u	u		
Surrogate a,a,a-Trifluorotoluene		94.3 %	80-	120	п	"	н	и	
Surrogate 4-Bromofluorobenzene		93.7 %	80-	120		"	te .	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	и			H	"		
Total Hydrocarbon C6-C35	ND	10.0	D	b	u	•	a	u	
Surrogate 1-Chloroodane	· · · · · · · · · · · · · · · · · · ·	94.8 %	70-	130	n	я	"	"	<del></del>
Surrogate: 1-Chloroodadeca ne		<i>88.0</i> %	<i>70</i> -	130	"		п	R	
PLSLF51205CE-E15 (5E12014-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	ND	0.0250	а				n		
Ethylbenzene	ND	0.0250	u	u	и		u	н	
Xylene (p/m)	ND	0.0250	μ			u		н	
Xylene (o)	ND	0.0250			D	u	u	u	
Surrogate a,a,a-Trifluorotoluene		94.7 %	80-	120	n	n	и	п	
Surrogate: 4-Bromofluorobenzene		93.7 %	80-	120	H	н	"		
Gasoline Range Organics C6-C12	J [5.84]	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	J
Diesel Range Organics >C12-C35	759	10.0	#		n			н	
Total Hydrocarbon C6-C35	759	10.0		D	н	8	u	n	
Surrogate: 1-Chloroodane		86.6 %	70-	130	п	н	"	u	
Surrogate 1-Chlorooctadeca ne		96.0 %	70-	130	,	*	•	н	

Project: Lea Station Landfarm

Project Number: 2004-00061
Project Manager: Camille Reynolds

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# Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PLSLF51205CE-E16 (5E12014-16) Soi	ii								
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	******
Toluene	ND	0.0250	п	a	41	U	si .		
Ethylbenzene	ND	0.0250	11	и	ıı	н	u	п	
Xylene (p/m)	ND	0.0250	n	н	a a	и	II .	u	
Xylene (o)	ND	0.0250	н				•	u	
Surrogate a,a,a-Trifluorotoluene		93.1 %	80-1	20	"	n	"	н	
Surrogate: 4-Bromofluorobenzene		89.4 %	80-1	20	u	и	"	"	
Gasoline Range Organics C6-C12	12.3	10.0	mg/kg dry	1	EE51304	05/13/05	05/14/05	EPA 8015M	
Diesel Range Organics > C12-C35	1700	10.0	п		u	n	н	ti	
Total Hydrocarbon C6-C35	1710	10.0		н	н	u	и	н	
Surrogate 1-Chloroodane		89.0 %	70-1	30	"	Ħ	п	"	
Surrogate 1-Chloroodadeca ne		96.4 %	70-1	30	"	n	н	Ħ	
PLSLF51205CE-E17 (5E12014-17) Soil	I								
Benzene	ND	0.0250	mg/kg dry	25	EE51312	05/13/05	05/14/05	EPA 8021B	
Toluene	J [0.0126]	0.0250		n	n	п	u		
Ethylbenzene	0.0334	0.0250	*					R	
Xylene (p/m)	0.0473	0.0250							
							ь	н	
Kylene (o)	0.0292	0.0250		"					
	0.0292	93.9 %	80-1	20	"	"	н	п	
Surrogate a,a,a-Trifluorotoluene	0.0292					n	н	n	
Surrogate a,a,a-Trifluorotoluene Surrogate 4-Bromofluorobenzene	73.9	93.9 %	80-1.		н		" " 06/14/06	,, EPA 8015M	
Surrogate a,a,a-Trifluorotoluene Surrogate 4-Bromofluorobenzene Gasoline Range Organics C6-C12		93.9 % 84.4 %	80-1.	20	u u	и	н	п	
Surrogate a,a,a-Trifluorotoluene Surrogate 4-Bromofluorobenzene Gasoline Range Organics C6-C12 Diesel RangeOrganics >C12-C35	73.9	93.9 % 84.4 % 10.0	80-1.	20	" " EE51306	и	н	" EPA 8015M	
Sylene (o)  Surrogate a,a,a-Trifluorotoluene Surrogate 4-Bromofluorobenzene Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35 Total Hydrocarbon C6-C35  Surrogata 1-Chlorocotane	73.9 2480	93.9 % 84.4 % 10.0 10.0	80-1.	20 1 "	" EE51305	" 05/13/05 "	05/14/05 "	" EPA 8015M	

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Carnille Reynolds Fax: (432) 687-4914

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
PLSLF51205CE-E1 (5E12014-01) Soil	·	-				·	····		
Chloride	67.2	5.00	mg/kg	10	EE51404	05/13/05	05/13/05	EPA 300.0	
% Moisture	1.9	0.1	%	1	EE51301	06/13/05	05/13/05	% calculation	
PLSLF51205CE-E2 (5E12014-02) Soil									
% Moisture	0.5	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	<del>_</del> -
PLSLF51205CE-E3 (5E12014-03) Soil									
% Moisture	1.4	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	-
PLSLF51205CE-E4 (5E12014-04) Soil									
% Moisture	2.9	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E5 (5E12014-05) Soil									
% Moisture	2.8	0.1	%	1	EE51301	05/13/05	06/13/05	% calculation	
PLSLF51205CE-E6 (5E12014-06) Soil									
Chloride	26.1	5.00	mg/kg	10	EE51404	05/13/05	05/13/05	EPA 300.0	
% Moisture	0.3	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E7 (5E12014-07) Soil									
% Moisture	0.5	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E8 (5E12014-08) Soil									
% Moisture	3.1	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E9 (5E12014-09) Soil									
% Moisture	0.9	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E10 (5E12014-10) Soil									
% Moisture	1.8	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camille Reynolds Fax: (432) 687-4914

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PLSLF51205CE-E11 (5E12014-11) Soil				<u> </u>					
Chloride	31.9	5.00	mg/kg	10	EE51404	06/13/05	05/13/05	EPA 300.0	
% Moisture	1.1	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E12 (5E12014-12) Soil									
Chloride	30.6	5.00	mg/kg	10	EE51404	05/13/05	05/13/05	EPA 300.0	
% Moisture	0.5	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E13 (5E12014-13) Soil									
% Moisture	1.1	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E14 (5E12014-14) Soil									
% Moisture	0.9	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E15 (5E12014-15) Soil									
% Moisture	0.8	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E16 (5E12014-16) Soil									
% Moisture	1.9	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	
PLSLF51205CE-E17 (5E12014-17) Soil									
Chloride	30.3	5.00	mg/kg	10	EE51404	05/13/05	05/13/05	EPA 300.0	
% Moisture	4.4	0.1	%	1	EE51301	05/13/05	05/13/05	% calculation	

Project: Lea Station Landfarm

Project Number: 2004-00061

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Project Manager: Camille Reynolds

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

		Reporting		Spike	Source		%REC		RPD	-
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE51304 - Solvent Extraction (GC)										
Blank (EE51304-BLK1)				Prepared &	Analyzed:	05/13/05	-			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	u							
Total Hydrocarbon C6-C35	ND	10.0	P							
Surrogate: 1-Chlorocotane	<i>38.7</i>		mg/kg	50.0		77.4	70-130			
Surrogate: 1-Chlorocotadeca ne	<b>35.</b> 7		"	50.0		71.4	70-130			
LCS(EE51304-BS1)				Prepared &	Analyzed:	05/13/05				
Gasoline Range Organics C6-C12	466	10.0	mg/kg wet	500		93.2	75-125			
Diesel Range Organics >C12-C35	486	10.0		500		97.2	75-125			
Total Hydrocarbon C6-C35	962	10.0	н	1000		95.2	75-125			
Surrogate: 1-Chlorocotane	38.1		mg/kg	50.0		76.2	70-130		****	
Surrogate: 1-Chlorocctadeca ne	<b>3</b> 5.5		"	50.0		71.0	70-130			
Calibration Check (EE51304-CCV1)				Prepared &	Analyzed:	05/13/05				
Gasoline Range Organics C6-C12	462		mg/kg	500		924	80-120			
Diesel Range Organics > C12-C35	492			500		98.4	80-120			
Total Hydrocarbon C6-C35	954		п	1000		95.4	80-120			
Surrogate: 1-Chlorocctane	49.8		и	50.0		99.6	70-130			
Surrogate: 1-Chlorocctadeca ne	426		u	<i>5</i> 0.0		<i>8</i> 5.2	70-130			
Matrix Spike (EE51304-MS1)	Source	ne. 5E12012	2-04	Prepared &	Analyzed:	05/13/05				
Gasoline Range Organics C6-C12	513	10.0	mg/kg dry	527	ND	97.3	75-125		<del></del>	
Diesel Range Organics >C12-C36	542	10.0	н	527	ND	103	75-125			
Total Hydrocarbon C6-C35	1060	10.0	n	1050	ND	101	75-125			
Surrogate: 1-Chlorocctane	<i>5</i> 3. <i>9</i>		mg/kg	50.0		108	70-130		<del></del> -	
Surrogate: 1-Chlorocotadeca ne	47.7			<i>5</i> 0.0		95.4	70-130			
Matrix Spike Dup (EE51304-MSD1)	Source	e: 5E12012	2-04	Prepared &	Analyzed:	05/13/05				
Gasoline Range Organics C6-C12	470	10.0	mg/kg dry	527	ND	89.2	75-125	8.75	20	
Diesel Range Organics >C12-C35	536	10.0	н	527	ND	102	75-125	1.30	20	
Total Hydrocarbon C6-C35	1000	10.0	e	1050	ND	95.2	75-125	5.83	20	
Surrogate: 1-Chlorocctane	<i>5</i> 38		mg/kg	50.0		108	70-130			
Surrogate: 1-Chlorocotadeca ne	47.6		н	50.0		95.2	70-130			

Project: Lea Station Landfarm

Project Number: 2004-00061

Project Manager: Camille Reynolds

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

Analysis	Doords	Reporting	Lluite	Spike	Source	0/ DCC	%REC	0.00	RPD	Nets-
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE51305 - Solvent Extraction (GC)										
Blank (EE51305-BLK1)				Prepared:	05/13/05 A	nalyzed: 05	V14/05			
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	n							
Surrogate: 1-Chlorocotane	39.4		mg/kg	50.0		78.8	70-130			
Surrogate: 1-Chlorocotadeca ne	37.6		и	50.0		75.2	70-130			
LCS(EE51305-BS1)				Prepared:	05/13/05 Aı	nalyzed: 05	/14/05			
Gasoline Range Organics C6-C12	475	10.0	mg/kg wet	500		95.0	75-125			
Diesel Range Organics > C12-C35	505	10.0	"	500		101	75-125			
Total Hydrocarbon C6-C36	980	10.0		1000		98.0	75-125			
Surrogate: 1-Chlorocotane	38.6		mg/kg	50.0		77.2	70-130			
Aurrogate: 1-Chlorocctadeca ne	36.2		"	50.0		<i>7</i> 24	70-130			
Calibration Check (EE51305-CCV1)				Prepared: (	05/13/05 Ar	nalyzed: 05	/14/05			
Sasoline Range Organics C6-C12	499		mg/kg	500		99.8	80-120		······································	
Diesel Range Organics >C12-C35	530		"	500		106	80-120			
Total Hydrocarbon C6-C35	1030			1000		103	80-120			
Burrogate: 1-Chlorocotane	48.4			50.0		96.8	70-130			
Arrogate: 1-Chlorooctadeca ne	41.2		"	50.0		824	70-130			
/latrix Spike (EE51305-MSI)	Source	5E13021	I- <b>02</b>	Prepared: (	05/13/05 Ar	nalyzed: 05	/14/05			
Basoline Range Organics C6-C12	477	10.0	mg/kg dry	517	ND	923	75-125			
Diesel Range Organics >C12-C35	502	10.0	п	517	ND	97.1	75-125			
otal Hydrocarbon C6-C35	979	10.0	п	1030	ND	96.0	75-125			
Eurrogate: 1-Chlorocctane	528		mg/kg	50.0		106	70-130			
Arrogate: 1-Chlorocctadeca ne	47.0		n	50.0		94.0	70-130			
Matrix Spike Dup (EE51305-MSD1)	Source	5E13021	1-02	Prepared: (	05/13/05 Ar	nalyzed: 05.	/14/05			
Sasoline Range Organics C6-C12	488	10.0	mg/kg dry	517	ND	94.4	75-125	2.28	20	
Diesel Range Organics > C12-C35	511	10.0	u	517	ND	98.8	75-125	1.78	20	
Total Hydrocarbon C6-C35	999	10.0	a	1030	ND	97.0	75-125	2.02	20	
Surrogate: 1-Chrorocctane	533		mg/kg	50.0		107	70-130	**		
Surrogate: 1-Chlorocotadeca ne	<b>48</b> .5		п	<i>5</i> 0. <i>0</i>		97.0	70-130			

Projeci: Lea Station Landfarm

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

	-	Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE51311 - EPA 5030C (GC)										
Blank (EE51311-BLK1)				Prepared &	Analyzed:	05/13/05				
Benzene	ND	0.0250	mg/kg wet							
Taluene	ND	0.0250	D							
Ethylbenzene	ND	0.0250	ш							
Xylene (p/m)	ND	0.0250	n							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorot d'uene	94.6		ug/kg	100		94.6	80-120			
Surrogate: 4-Bromofluoroben zene	96.5		"	100		<i>9</i> 6.5	80-120			
LCS (EE51311-BSI)				Prepared &	Analyzed:	05/13/05				
Benzene	90.9	****	ug/kg	100		90.9	80-120			
Toluene	85.8		"	100		85.8	80-120			
Ethyl benzene	91.8		u	100		91.8	80-120			
Xylene (p/m)	213		В	200		106	80-120			
Xylene (o)	99.8		п	100		99.8	80-120			
Surrogate: a,a,a-Trifluorofoluene	111		<del></del>	100		7117	80-120			
Surrogete: 4-Bromofluoroben zene	109		"	100		109	80-120			
Calibration Check (EE51311-CCV1)				Prepared: 0	05/13/05 At	nalyzed: 05	14/05			
Benzene	91.8		ug/kg	100		91.8	80-120	·		
Toluene	85.7			100		85.7	80-120			
Ethylbenzene	87.7		В	100		87.7	80-120			
Xylene (p/m)	200		n	200		100	80-120			
Xytene (o)	93.6			100		93.6	80-120			
Surrogate: a,a,a-Trifluorot cluene	115		7	100		115	80-120			
Surragate: 4-Bromofluoraben zene	107			100		107	80-120			
Matrix Spike (EE51311-MS1)	Sou	ce 5E13018	3-01	Prepared &	Analyzed:	05/13/05				
Benzene	90.5		ug/kg	100	ND	90.5	80-120			
Toluene	85.6		u	100	ND	85.6	80-120			
Ethylbenzene	90.0			100	ND	90.0	80-120			
Xylene (p/m)	207		"	200	ND	104	80-120			
Xylene (o)	93.4		и	100	ND	93.4	80-120			
Surrogate: a,a,a-Trifluorot cluene	113		и	100		113	80-120			
Surrogate: 4-Bromofluoroben zene	115			100		115	80-120			

Project: Lea Station Landfarm

Project Number: 2004-00061 Project Manager: Camiile Reynolds Fax: (432) 687-4914

Reported: 05/17/05 09:05

# 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 EE51311 - EPA 5030C (GC)										
Matrix Spike Dup (EE51311-MSD1)	Sour	oa 5E1301	8-01	Prepared &	Analyzed:	05/13/05			•	
Benzene	90.6		ug/kg	100	ND	90.6	80-120	0.110	20	
Toluene	86.0		n	100	ND	86.0	80-120	0.466	20	
Ethylbenzene	91.5		u	100	ND	91.5	80-120	1.65	20	
Xylene (p/m)	211			200	ND	106	80-120	1.90	20	
Xylene (o)	95.4			100	ND	95.4	80-120	2.12	20	
Surrogate: a,a,a-Trifluorot cluene	115			100	·	115	80-120			
Surrogate: 4-Bromofluoroben zene	113		n	100		113	80-120			
Batch EE51312 - EPA 5030C (GC)										
Blank (EE51312-BLK1)				Prepared &	Analyzed:	05/13/05				
Benzene	ND	0.0250	mg/kg wet		- L					
Toluene	ND	0.0250	U							
Ethylbenzene	ND	0.0250	H							
Xylene (p/m)	ND	0.0250	**							
Xylene (o)	ND	0.0250	и							
Surrogate: a,a,a-Trifluorot oluene	102		ug/kg	100		102	80-120			
Surragate: 4-Bramafluaraben zene	85.2		*	100		<i>8</i> 5. <i>2</i>	80-120			
LCS(EE51312-BS1)				Prepared: 0	15/13/05 Ar	natyzed: 05.	/14/05			
Benzene	90.3		ug/kg	100		90.3	80-120			
Toluene	82.9		и	100		82.9	80-120			
Ethyl benzene	82.2		ď	100		82.2	80-120			
Xylene (p/m)	185		B	200		925	80-120			
Xylene (a)	91.0		и	100		91.0	80-120			
Surrogate: a,a,a-Trifluorot d'uene	- 115			100		115	80-120			

99.3

Surrogate: 4-Bromofluoroben zene

99.3

80-120

Project: Lea Station Landfarm

Project Number: 2004-00061

Project Manager: Camille Reynolds

Fax: (432) 687-4914

**Reported:** 05/17/05 09:05

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

		Reporting	Spike	Source		%REC		RPD	
Analyte	Result	Limit Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE51312 - EPA 5030C (GC)									
Calibration Check (EE51312-CCV1)			Prepared:	05/13/05 A	natyzed: 05	14/05			
Benzene	95.4	ug/kg	100		95.4	80-120			
Toluene	93.0		100		93.0	80-120			
Ethyl benzene	91.5	n	100		91.5	80-120			
Kylene (p/m)	208		200		104	80-120			
Kylene (o)	97.1	e e	100		97.1	80-120			
Surrogate: a,a,a-Triffuorot oluene	119	н	100		119	80-120			
Surragate: 4-Bromafluaraben zene	104	u	100		104	80-120			
Matrix Spike (EE51312-MS1)	Source	ne 5E12014-02	Prepared: (	05/13/05 A	nalyzed: 05	/14/05			
3 enzene	88.8	ug/kg	100	ND	88.8	80-120			
Foluene	85.7	п	100	ND	85.7	80-120			
Ethylbenzene	84.8	#	100	ND	84.8	80-120			
Kylene (p/m)	192		200	ND	96.0	80-120			
Kylene (o)	84.6	Ħ	100	ND	84.6	80-120			
Surrogate: a,a,a-Trifluorofoluene	101		100		101	80-120			
Surrogate: 4-Bromofluoroben zene	103	,,	100		103	80-120			
Matrix Spike Dup (EE51312-MSD1)	Source	e 5E12014-02	Prepared: (	05/13/05 Ar	nalyzed: 05.	/14/05			
Berizene	92.9	ug/kg	100	ND	92.9 ·	80-120	4.51	20	
l'oluene	90.3	n	100	ND	90.3	80-120	5.23	20	
Ethylbenzene	92.0	n	100	ND	92.0	80-120	8.14	20	
Kylene (p/m)	211		200	ND	106	80-120	9.90	20	
Kylene (o)	94.4	"	100	ND	94.4	80-120	10.9	20	
Surrogate: a,a,a-Trifluorot oluene	115	n	100		115	80-120			
Surrogate: 4-Bromofluoroben zene	113		100		113	80-120			

Project: Lea Station Landfarm

Project Number: 2004-00061

Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 05/17/05 09:05

## General Chemistry Parametersby 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 EE51301 - General Preparation (Prep)										
Blank (EE51301-BLK1)				Prepared &	Analyzed:	05/13/05				
% Moisture	ND	0.1	%				<del>-</del>			
Duplicate (EE51301-DUP1)	Source	≅ 5E12011-	-01	Prepared &	Analyzed:	05/13/05				
% Solids	98.2		%		97.4			0.818	20	***
Batch EE51404 - Water Extraction										
Blank (EE51404-BLK1)				Prepared & A	Analyzed:	05/13/05				
Chloride	ND	0.500	mg/kg	**						
LCS(EE51404-BS1)				Prepared & /	Analyzed:	05/13/05				
Chloride	10.2		mg/L	10.0		102	80-120			
Calibration Check (EE51404-CCV1)				Prepared & /	Analyzed:	05/13/05				
Chloride	10.4		mg/L	10.0		104	80-120			
Duplicate (EE51404-DUP1)	Source	: 5E13025-	-04	Frepared & /	Analyzed:	05/13/05				
Chloride	1670	50.0	mg/kg		1680			0.597	20	

Project: Lea Station Landfarm Project Number: 2004-00061

Project Manager: Camille Reynolds

Fax: (432) 687-4914

Reported: 05/17/05 09:05

#### **Notes and Definitions**

Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLPJ-Rag).

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Raland K Julis

Date:

5/17/2005

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director James L. Hawkins, Chemist/Geologis t Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify usimmediately at 432-563-1800.

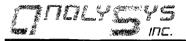
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# Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In

Client FPI		~ -		
Client:			•	
Date/Time: 5/12/05 4:50				
Order #: <u>SPIVO</u>				
Initials:	·			
Sample Receip	t Checkl	ist		
Temperature of container/ccoler?	Yes	No	2.6 C	
Shipping container/cooler in good condition?	1853	Nic		
Custody Seals intact on shipping container/cooler?	Yes	No	-Not-present	
Custody Seals intact on sample bottles?	Yes	No	Not present	1.5
Chain of custody present?	JA 193	No	Merca Maria Mandre Transmistra	
Sample Instructions complete on Chain of Custody?	55	No	<del></del>	
Chain of Custody signed when relinquished and received?	A S	No		
Chain of custody agrees with sample label(s)	(85)	No		
Container labels legiple and intact?	de S	No		•
Sample Matrix and properties same as on chain of custody?	1 Jas	No		
Samples in procer container/bottle?	TASA)	No		
Samples properly preserved?	रिक्को	No		
Sample bottles intact?	255	No		
Preservations documented on Chain of Gustody?	CZE9	Nic		
Containers documented on Chain of Custody?	100	No		
Sufficient sample amount for indicated test?	1235	No		
All samples received within sufficient hold time?	2(29)	No		
VCC samples have zero headspace?	1/73	Nic	Not Applicable	
Other observations:				
Variance Docu	mentatio	n:		
Contact Person: Date/Time:			Contacted by:	
Regarding:			white care a separate and posterior party of the second	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
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Corrective Action Taken:				
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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 Date: 09/14/04

Client: Environmental Plus, Inc.

Attn: Iain Olness
Address: 2100 Ave. O

Eunice

REPORT OF ANALYSIS

NM 88231

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

Report#/Lab ID#: 159226

Project ID: 2003-00339

Sample Name: SPLSLF83104CE-4'

Sample Matrix: soil

**Date Received:** 09/02/2004 **Time:** 10:00 **Date Sampled:** 08/31/2004 **Time:** 13:30

#### **OUALITY ASSURANCE DATA** 1

ALDA OR 1 OF THINE I DID			VCALALI	IDD C ICI	II (CL) DAL.	<u> </u>					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	09/09/04	8015 mod.		5.8	105.7	106.7	115.1
TPH by GC (as diesel-ext)					09/08/04	3570m					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	09/09/04	8015 mod.	J	10.9	103.6	105.5	116.5
Volatile organics-8260b/BTEX					09/07/04	8260b(5030/5035)					
Benzene	<20	μg/Kg	20	<20	09/07/04	8260b		1.4	89.3	90.7	95.4
Ethylbenzene	<20	μg/Kg	20	<20	09/07/04	8260ь		0.9	95.3	104.2	101.5
m,p-Xylenes	<40	μg/Kg	40	<40	09/07/04	8260ь		2.2	94	102.2	98.4
o-Xylene	<20	μg/Kg	20	<20	09/07/04	8260ь	[ <del>-</del>	0.5	93.6	103.2	103.4
Toluene	<20	μg/Kg	20	<20	09/07/04	8260ь		1.7	94.7	97.3	112.3

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.

Dale Wagner

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



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

Client: Environmental Plus, Inc.
Attn: Iain Olness

**Project ID:** 2003-00339

Sample Name: SPLSLF83104CE-4'

Report#/Lab ID#: 159226 Sample Matrix: soil

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	91.4	30-125	
p-Terphenyl	8015 mod.	101	30-160	
1,2-Dichloroethane-d4	8260b	90.8	56-120	
Toluene-d8	8260b	102	71-116	

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

<b>Exceptions Report:</b>		
Report #/Lab ID#: 159226 Matrix: soi Client: Environmental Plus, Inc. Project ID: 2003-00339 Sample Name: SPLSLF83104CE-4'	il	Attn: Iain Olness
laboratory within such a short time aft samples (see sample collection and sa	ia (e: ter sa ampl	except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding ting sample integrity (ex. in a bottle with no cooler).
Sample Bottles & Preservation:	_	
☐ Sample received in appropriate con	itaine	ner(s) and appear to be appropriately preserved. ner(s). State of sample preservation unknown. ner(s) and/or with unknown state of preservation.
J flag Discussion:		
levels/blanks and other potential sources of s. Because the reported result is below the quan	amp ntitat	er TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background pling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit tion limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)
Comments pertaining to Data Qualifiers		
Parameter Qua	alif	Comment
TPH by GC (as gasoline)	J	See J-flag discussion above.
Notes:		

Jain Olness

3512 Montopolis Drive, Austin. TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

OHALITY ASSUDANCE DATA 1

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

Report#/Lab ID#: 159227

Report Date: 09/14/04

**Project ID:** 2003-00339

Sample Name: SPLSLF83104CC-4'

Sample Matrix: soil

**Date Received:** 09/02/2004 Time: 10:00 **Date Sampled:** 08/31/2004 Time: 13:50

Phone:

Client:

Attn:

(505) 394-3481

Environmental Plus, Inc.

FAX: (505) 394-2601

NM 88231

#### DEPORT OF ANALYSIS

Eunice.

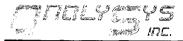
Address: 2100 Ave. O

MEI OKT OF ANALISIS			QUALITY A	SOUNE	INCE DA	LA -					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	09/09/04	8015 mod.		5.8	105.7	106.7	115.1
TPH by GC (as diesel-ext)					09/08/04	3570m					
TPH by GC (as gasoline)	<5	mg/Kg	5	⋖5	09/09/04	8015 mod.		10.9	103.6	105.5	116.5
Volatile organics-8260b/BTEX					09/07/04	8260b(5030/5035)					
Benzene	<20	μg/Kg	20	<20	09/07/04	8260b		1.4	89.3	90.7	95.4
Ethylbenzene	<20	μg/Kg	20	<20	09/07/04	8260b		0.9	95.3	104.2	101.5
m,p-Xylenes	<40	μg/Kg	40	<40	09/07/04	8260b		2.2	94	102.2	98.4
o-Xylene	<20	μg/Kg	20	<20	09/07/04	8260b		0.5	93.6	103.2	103.4
Toluene	<20	μg/Kg	20	<20	09/07/04	8260b		1.7	94.7	97.3	112.3

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.

Dale Wagner

1. Ouality 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 (ROL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M = Matrix interference.



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

Client: Environmental Plus, Inc.

Attn: Iain Olness

**Project ID:** 2003-00339

Sample Name: SPLSLF83104CC-4'

Report#/Lab ID#: 159227

Sample Matrix: soil

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	89.3	30-125	
p-Terphenyl	8015 mod.	94.7	30-160	
1,2-Dichloroethane-d4	8260b	94.1	56-120	
Toluene-d8	8260b	105	71-116	

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

B # 6 B 4B 4 00/14/6

## AnalySys Inc.

Chain of Custody Form

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

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

Company Name	Environmental Plus	s, In	C.		-	, ,					BIII	To	1 1 2 2 2 2 1		, ·			AN/	<b>VLY</b>	SIS	RE	QU	EST		
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Client Company	Plains All American					l				<u> </u>	771	RIC	Ž							Ì					
Facility Name	Lea Station Land F	arm							Att				3ryant											1	
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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

**OUALITY ASSURANCE DATA**¹

Client: Environmental Plus, Inc.

Attn: Pat McCasland Address: 2100 Ave. O

Eunice

NM 88231

Phone: (505) 394-3481

FAX: (505) 394-2601

Report#/Lab ID#: 152044

**Report Date:** 03/09/04

Project ID: #2003-00339

Sample Name: CESLELSLF11604BGS

Sample Matrix: soil

#### REPORT OF ANALYSIS

VALITY ASSURANCE DATA											
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
Metals DigHg					01/30/04	7471&245.2					
Metals DigHNO3					01/23/04	3050Ъ					
TPH by GC (as diesel)	<2.5	mg/Kg	2.5	<2.5	01/26/04	8015 mod.	S,M	10.6	Mt.Intf.	88.6	91.2
TPH by GC (as diesel-ext)					01/26/04	3570m					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/26/04	8015 mod.		10.4	85.7	86.2	79.3
Aluminum/ICP		mg/Kg	1000	<1000	01/30/04	6010 & 200.7		8.91	108.64	98.46	85.44
Arsenic/ICP	<1	mg/Kg	1	<1	01/29/04	6010 & 200.7	J	6.16	102.71	100.22	102.88
Barium/ICP		mg/Kg	0.5	<0.5	01/29/04	6010 & 200.7	S2	9.19	80.36	96.35	82.4
Beryllium/ICP	<2	mg/Kg	0.2	<2	01/29/04	6010 & 200.7	J	10.52	79.75	95.1	82.14
Boron/ICP	<1	mg/Kg	1	<1	01/29/04	6010 & 200.7	J,S2	5.9	99.19	100.56	86.52
Cadmium/ICP	<2	mg/Kg	0.2	<2	01/29/04	6010 & 200.7		5.6	78.1	98.7	86.84
Calcium/ICP		mg/Kg	10	<10	03/08/04	6010 & 200.7	B,S3,P	5.021	-NA-	101.4	-NA-
Chromium/ICP		mg/Kg	0.5	< 0.5	01/29/04	6010 & 200.7		4.05	91.12	100.44	111.76
Cobalt/ICP	<1	mg/Kg	1	<1	01/29/04	6010 & 200.7	J	5.4	70.29	101.02	82.84
Copper/ICP	<1	mg/Kg	1	<1	01/29/04	6010 & 200.7	J	10.07	84.15	98.38	86.6
Iron/ICP		mg/Kg	200	<200	01/29/04	6010 & 200.7		27.49	128.49	96.35	93.24
Lead/ICP	<1	mg/Kg	1	<1	01/29/04	6010 & 200.7	J	4.52	65.28	98.59	82.76
Magnesium/ICP		mg/Kg	10	<10	03/08/04	6010 & 200.7	S3,P	3.593	-NA-	102.8	-NA-
Manganese/ICP		mg/Kg	0.5	<0.5	01/29/04	6010 & 200.7		4.39	101.65	100.88	83.76
Mercury/CVAA	< 0.04	mg/Kg	0.04	< 0.04	01/30/04	245.5&7471		0	106.62	96.5	96.5
Molybdenum/ICP	<1	mg/Kg	1	<1	01/29/04	6010 & 200.7		1.29	88.26	101.04	84.56

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). 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.

Page#: 1

**Report Date: 03/09/04** 

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.

Pat McCasland

Attn:

Project ID: #2003-00339

Sample Name: CESLELSLF11604BGS

Report#/Lab ID#: 152044 Sample Matrix: soil

## REPORT OF ANALYSIS-cont.

REPORT OF ANALYSIS-cont.							QUALITY	ASSUR	ANCE DA	TA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS4
Nickel/ICP	25	mg/Kg	1	<1	01/29/04	6010 & 200.7		7.35	72.36	98.52	82.04
Potassium/AA	72.	mg/Kg	100	<100	02/04/04	258.1&7610		1.71	88.05	93.03	98.76
Selenium/ICP	<1	mg/Kg	1	<1	01/29/04	6010 & 200.7		8.2	76.76	98.86	84.2
Silver/ICP	~ :	mg/Kg	0.5	< 0.5	01/29/04	6010 & 200.7		12.16	88.16	100.96	97.16
Sodium/ICP	15 1	mg/Kg	25	<25	03/08/04	6010 & 200.7	S3,P	7.595	-NA-	104.6	-NA-
Strontium/ICP	<b>5</b> .%	mg/Kg	2	<2	01/29/04	6010 & 200.7		7.92	101.01	97.45	82.4
Tin/ICP	<1	mg/Kg	1	<1	01/29/04	6010 & 200.7		4.91	105.38	98.79	85.54
Vanadium/ICP		mg/Kg	1	<1	01/29/04	6010 & 200.7		7.12	86.6	99.3	81.24
Zinc/ICP		mg/Kg	0.5	<0.5	01/29/04	6010 & 200.7		0.84	71.92	99.54	84.24
Alkalinity, bicarbonate	< 50	mg/Kg	50	<50	02/02/04	SM2320		0	-NA-	-NA-	-NA-
Alkalinity, carbonate	<50	mg/Kg	50	<50	02/02/04	SM2320		0	-NA-	-NA-	-NA-
Chloride	, vá	mg/Kg	2.5	<2.5	02/06/04	325.2&9251		1.24	98.64	104.25	91.51
Sulfate	<5	mg/Kg	5	<5	02/06/04	375.4&9038		1.24	89.64	94.61	104.37
Volatile organics-8260b/BTEX					01/26/04	8260b(5030/5035)					
Benzene	<20	μg/Kg	20	<20	01/26/04	8260b		1.6	95.1	115.3	104.8
Ethylbenzene	<20	μg/Kg	20	<20	01/26/04	8260b		8.8	93.1	107.8	105.7
m,p-Xylenes	<40	μg/Kg	40	<40	01/26/04	8260Ъ		8.7	95.6	106.4	107.8
o-Xylene	<20	μg/Kg	20	<20	01/26/04	8260b	<b>!</b>	8.1	94.4	108	107.7
Toluene	<20	μg/Kg	20	<20	01/26/04	8260Ь		2.4	94.7	117	109.4



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

Client: Environmental Plus, Inc.

Project ID: #2003-00339

Attn: Pat McCasland

Sample Name: CESLELSLF11604BGS

Report#/Lab ID#: 152044 Sample Matrix: soil

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	75	36-140	
p-Terphenyl	8015 mod.	65.3	40-121	<del></del>
1,2-Dichloroethane-d4	8260b	86.9	56-120	
Toluene-d8	8260b	89.8	71-116	

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

Page#: 3 Report Date: 03/09/04

## **Exceptions Report:**

Report #/Lab ID#: 152044 Matrix: soil

Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: #2003-00339

Sample Name: CESLELSLF11604BGS

### 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)	S,M	MS and/or MSD recoveries outside advisory/acceptance limits. LCS recovery in-limits; indicative of matrix interference as evidenced by M-flag.
Arsenic/ICP	J	See J-flag discussion above.
Barium/ICP	S2	PDS recovery outside advisory/acceptance limits. MS & MSD recoveries OK-PDS not required.
Beryllium/ICP	J	See J-flag discussion above.
Boron/ICP	S2	PDS recovery outside advisory/acceptance limits. MS & MSD recoveries OK-PDS not required.
Boron/ICP	J	See J-flag discussion above.
Calcium/ICP Calcium/ICP	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Calcium/ICP Calcium/ICP	B B	One or more method/calib. or Prep. blanks associated with the analysis were found to have analyte above the RQL. However, the sample result is more than five times the conc. of the blank and impact on sample quantitation is negligible.
Calcium/ICP	S3	MS, MSD & PDS recovery outside advisory/acceptance limits. Either no LCS or LCS recovery outside advisory/acceptance limits.
Cobalt/ICP	J	See J-flag discussion above.
Copper/ICP	J	See J-flag discussion above.
Lead/ICP	J	See J-flag discussion above.
Magnesium/ICP Magnesium/ICP	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Magnesium/ICP	S3	MS, MSD & PDS recovery outside advisory/acceptance limits. Either no LCS or LCS recovery outside advisory/acceptance limits.
Sodium/ICP Sodium/ICP	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Sodium/ICP	S3	MS, MSD & PDS recovery outside advisory/acceptance limits. Either no LCS or LCS recovery outside advisory/acceptance limits.

## **Exceptions Report:**

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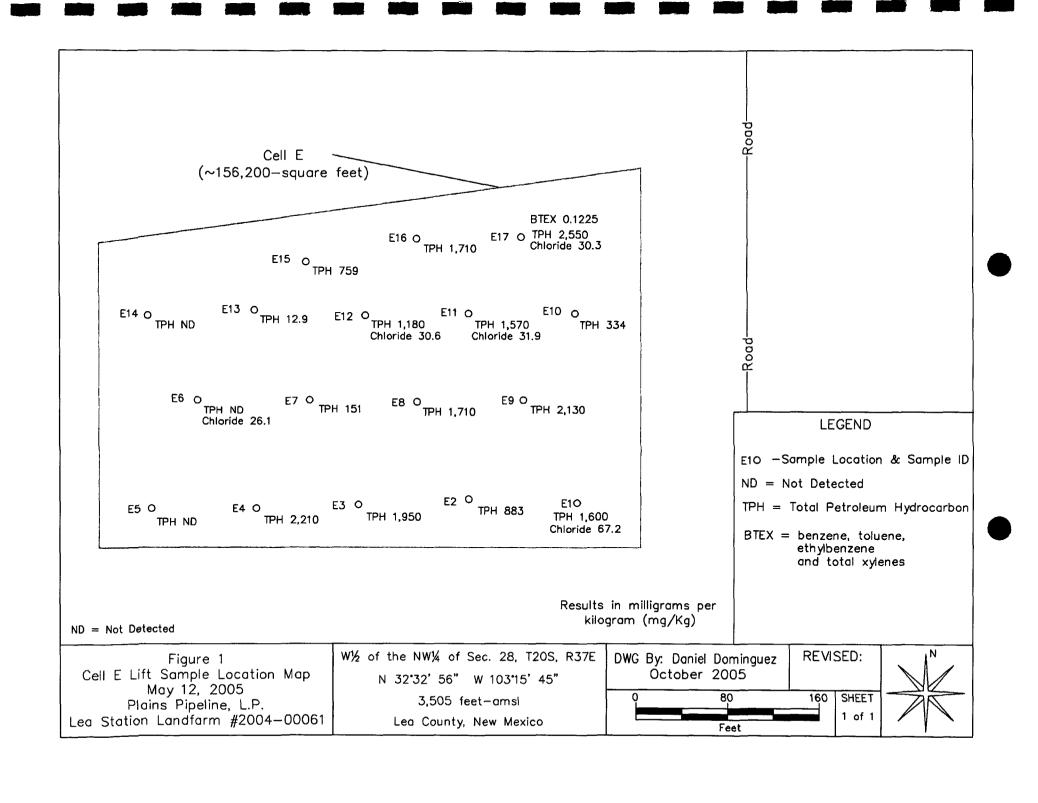
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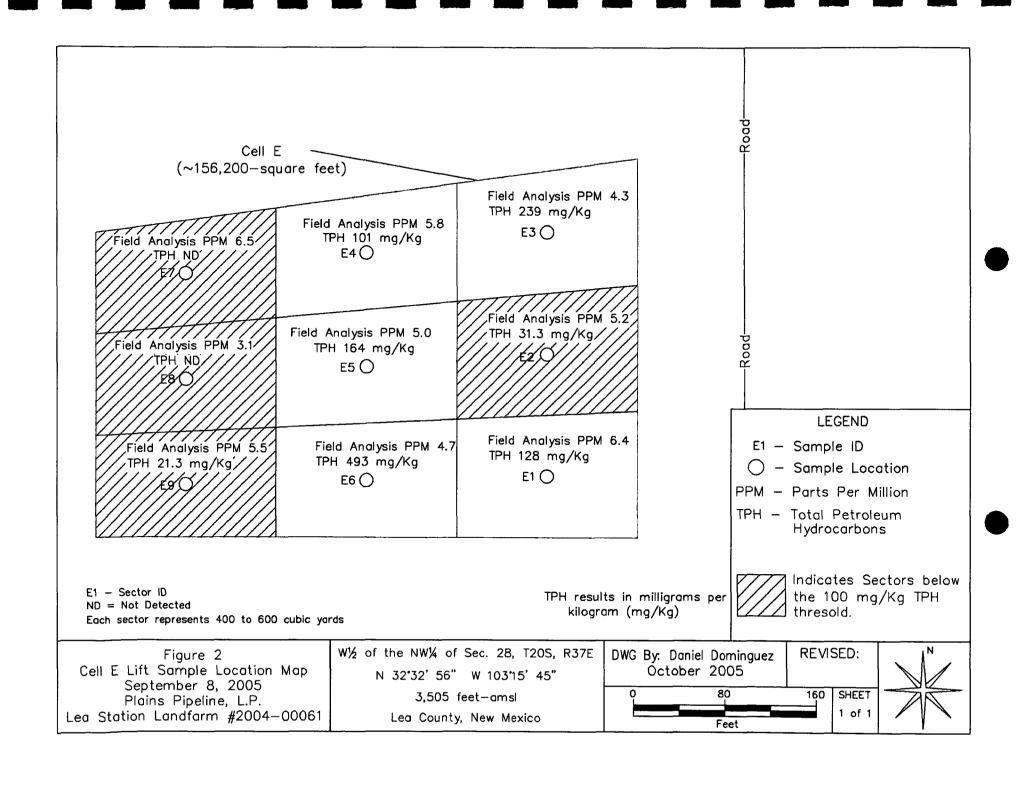
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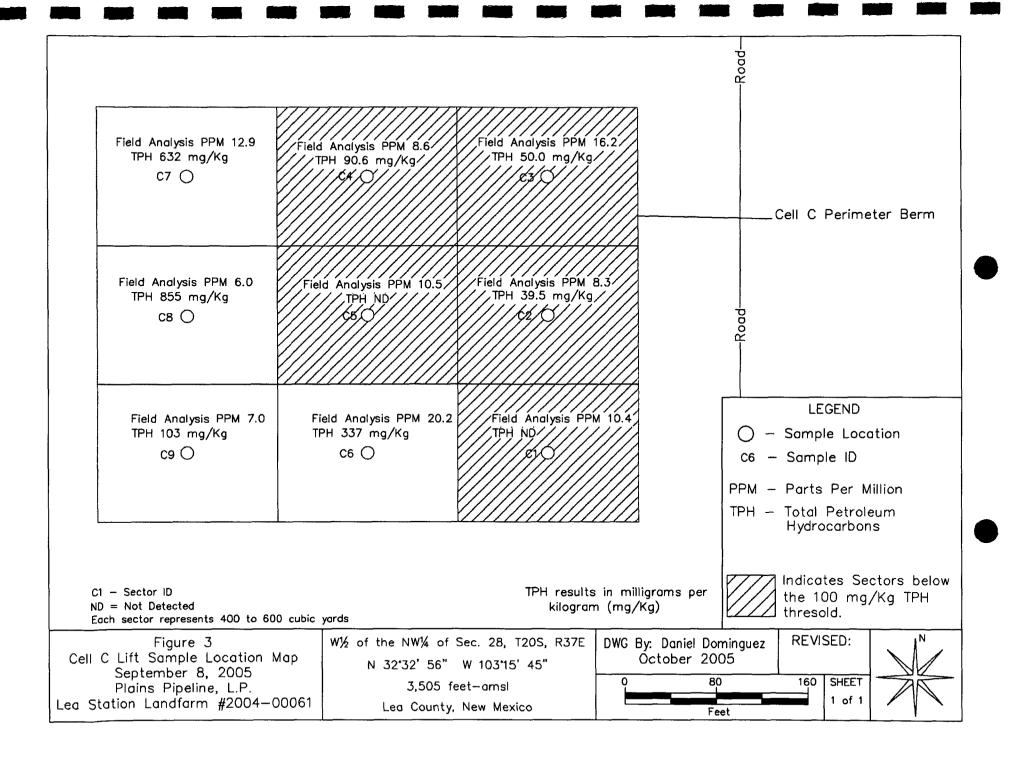
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**FIGURES** 







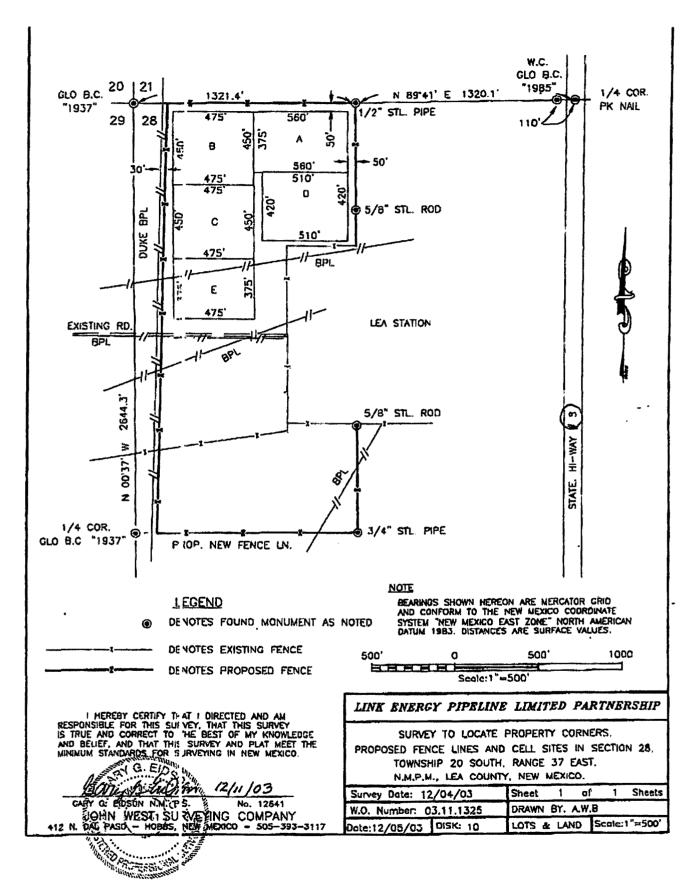
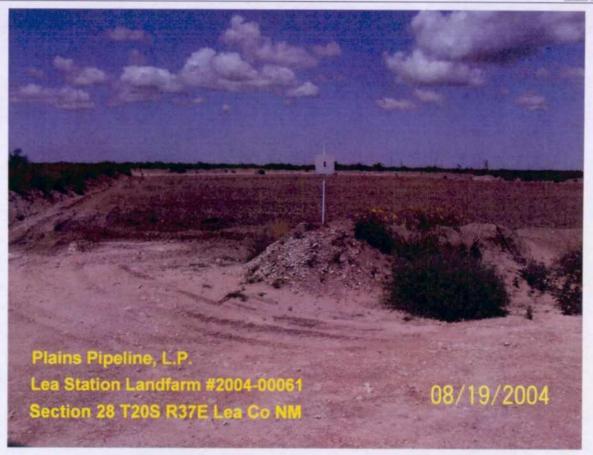


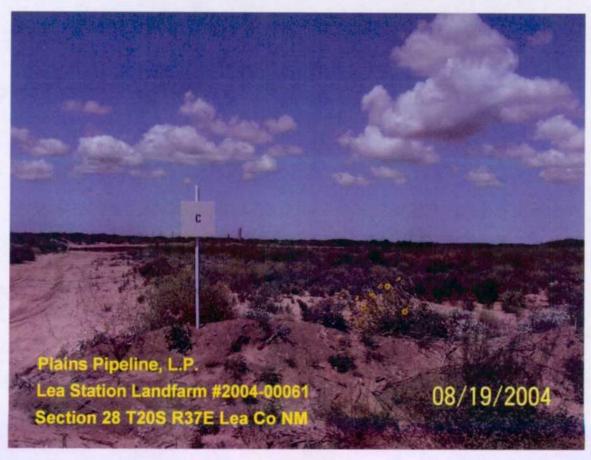
Figure 4: Lea Station Landfarm Survey Map



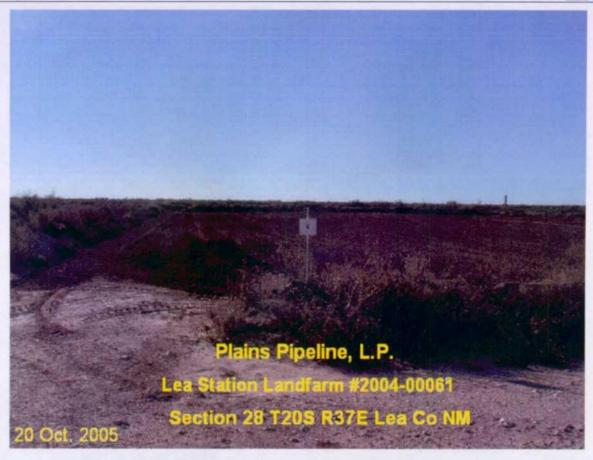
**PHOTOGRAPHS** 





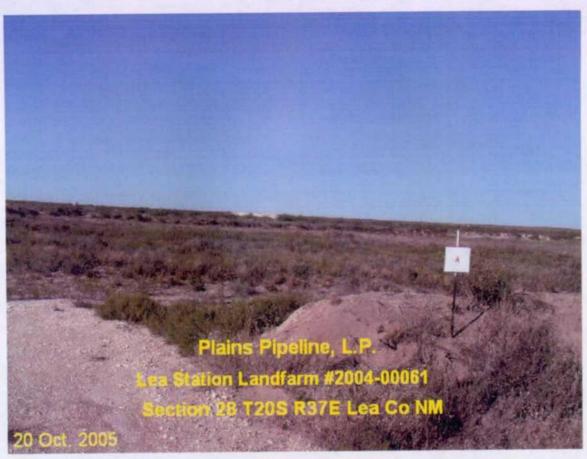


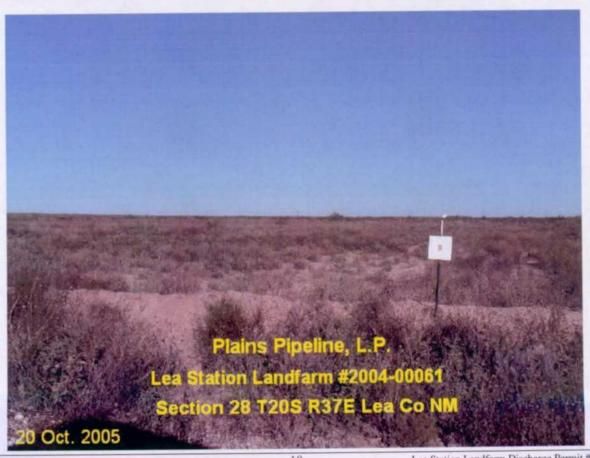














## ANNUAL MONITORING REPORT

LEA STATION
PLAINS REF: 2003-00339

Nw¼ of Section 28 T20S R37E

~9.5 MILES NORTH-NORTHWEST (313°) of
EUNICE, LEA COUNTY, NEW MEXICO
LATITUDE: N32° 32' 51.3" LONGITUDE: W103° 15' 37.0"

**JANUARY 21, 2005** 

PREPARED BY:

## Environmental Plus, Inc.

2100 Avenue O P.O. Box 1558 Eunice, NM 88231 Phone: (505)394-3481

FAX: (505)394-2601 iolness@hotmail.com





## **Standard of Care**

## **Annual Monitoring Report**

## **Lea Station Ref. # 2003-00339**

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:  Tain A. Oress	11 February 2005
Iain A. Olness, P.G.	Date
Hydrogeologist	4
This report was reviewed by:	
fat Miller	2.11.05
Pat McCasland	Date



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## **APPENDIX**

Appendix A Laboratory Analytical Results and Chain-of-Custody Form



## I. Background

Lea Station is located approximately 9 miles north-northwest of Eunice in Lea County, New Mexico, at an elevation of approximately 3,495 feet above mean sea level (reference Figures 1 and 2). The site is located in the Monument-Jal Oil Field and is utilized as a crude oil pipeline pumping station. There are no residences or surface water bodies within a 1,000-foot radius of the facility. The facility is surrounded by a barbed wire fence and has a locked gate (reference Figure 3).

In 1992, Shell Pipeline Corporation (SPLC) retained CURA to establish baseline conditions of the subsurface environment at the site. In December 1992, 12 soil borings were advanced around the site and seven groundwater monitoring wells were installed. Analytical results for soil samples collected during this phase of the investigation indicated two general areas, one in the eastern half and one in the western half of the site, were identified as hydrocarbon-impacted areas by elevated total petroleum hydrocarbon (TPH) concentrations in soils (>100 parts per million (ppm) TPH). Analytical results for groundwater samples collected during this phase of the investigation indicated dissolved phase hydrocarbon contaminants present in five of the seven groundwater samples.

Based on these results, an additional four soil borings were advanced and an additional four groundwater monitoring wells were installed in September 1993. Results of this and previous phases of the investigation indicated three hydrocarbon-impacted areas present on the site, one in the eastern portion, one in the north-central portion and one in the western portion. In addition, phase separated hydrocarbons (PSH) were detected in groundwater monitoring well MW-8. Due to the presence of PSH and the extent of hydrocarbon-impacted soil and groundwater, CURA recommended that feasibility testing be completed to evaluate soil and groundwater remedial methods for potential implementation at the site.

In September 1994, CURA submitted a *Remediation Plan* to SPLC. The plan consisted of a soil vapor extraction (SVE) and product-only pumping system in the vicinity of groundwater monitoring well MW-8. The *Remediation Plan* included the installation of two recovery wells (RW-1 and RW-2), installation of two PSH only pump/air extraction units (one unit each in RW-1 and RW-2), regulatory notification of air emissions, final installation of the system, performance monitoring, operations and maintenance activities and reporting.

In February 1995, a remediation system consisting of SVE with product-only pumping was installed at the west end of the site. The system was designed with high vacuum levels at the wellheads in an effort to induce oil flow towards the wells, as observed during the pilot testing. Recovery of PSH occurred from 1994 to 2003. Currently no PSH is present in this area and the SVE system has been turned off.

An Annual Monitoring Report was submitted to the NMOCD in February 2004 documenting the results of the quarterly gauging, PSH recovery efforts and sampling of the groundwater monitoring well network during 2003. The first three sampling events of 2003 (January 28, April 2, and July 8) were completed by Enercon Services, Inc. for SPLC. Link Energy, LLC inherited the site in December 2003 and Environmental Plus, Inc. conducted the final 2003 sampling event



on December 17, 2003. Link assets were acquired by Plains All American Pipeline in April 2004.

## **II. Field Activities**

Site visits were made on January 21, March 1, May 21, June 3, June 18, July 12, September 3, September 24, October 15, November 9, November 19, and December 7, 2004 to recover PSH from the impacted groundwater monitoring wells (i.e., MW-1, MW-2, MW-3, MW-4 and MW-11). In addition, groundwater monitoring wells were gauged to determine the depth to PSH (if present) and groundwater.

Site visits were made on May 6, July 23, September 30 and December 17, 2004 to complete the aforementioned activities and to collect groundwater samples for laboratory analyses.

## **III. Groundwater Gradient and PSH Thickness**

Monitoring wells were gauged prior to purging to determine the depth to groundwater and the thickness of any PSH. Except for minor fluctuations, groundwater levels have risen, on the average, 2.25 feet throughout the year (reference Figures 17 through 20). PSH were only detected in groundwater monitoring well MW-2 during the past year, but was not detected during the December 7 gauging event nor during the December 17 sampling event. PSH levels in groundwater monitoring well MW-2 increased during the first half of the year and decreased during the second half of the year. No PSH were detected in the remaining monitoring wells during the past year. A summary of groundwater elevations and PSH thickness is included in Table 1.

Based on data collected during the four sampling events, groundwater is flowing to the southeast (reference Figures 21, 23, 25 and 27) and is consistent with historical data.

## **IV. PSH Recovery**

Absorbent booms and hand bailing accomplish recovery of PSH on-site. Approximately 260 gallons of PSH have been recovered to date. Between December 18, 2003 and December 17, 2004, approximately 34 gallons were recovered by manual means. A total of five wells had PSH present on the water column in the well at the beginning of 2004. The thickness of PSH ranged from a skim to 0.61 feet. No PSH were detected in any of the groundwater monitoring wells during the final sampling events of 2004. A summary of PSH recovery is presented in Table 1.

## V. Groundwater Sampling

Groundwater monitoring wells are sampled on a quarterly basis until such time that analytical results indicate contaminant concentrations are below the New Mexico Water Quality Control Commission (MNWQCC) Groundwater Standards for eight consecutive quarters. The samples are submitted to an independent laboratory for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX) on a quarterly basis and poly-aromatic hydrocarbons (PAH) on an annual basis. After receipt of analytical results indicating contaminant concentrations below the



NMWQCC standards for eight consecutive quarters, the groundwater monitoring wells are sampled an annual basis and the samples submitted for quantification of BTEX, until such time when analytical results for samples collected from the groundwater monitoring well network are below NMWQCC standards for eight consecutive quarters. Groundwater monitoring wells from which samples have been collected, analytical results have been below the NMWQCC standards for eight consecutive quarters and are no longer needed to monitor the existing contaminant plume will be scheduled to be sealed.

Groundwater monitoring wells MW-1, MW-3, MW-9, MW-10, MW-11, MW-12 and MW-13 were sampled on May 6, 2004 and the samples submitted for quantification of total petroleum hydrocarbons (TPH) via EPA Method 8015 modified (8015M) and benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8260b.

Groundwater monitoring wells MW-4 and MW-12 were sampled on July 23, 2004 and the samples submitted for quantification of TPH via EPA Method 8015M and BTEX using EPA Method 8260b. In addition, groundwater monitoring wells MW-9 and MW-10 were sampled and the samples, along with the sample from groundwater monitoring well MW-12, were analyzed for poly-aromatic hydrocarbons (PAHs) using EPA Method 8310.

Groundwater monitoring wells MW-1, MW-2, MW-3, MW-11 and MW-12 were sampled on September 30, 2004 and the samples submitted for quantification of TPH via EPA Method 8015M and BTEX using EPA Method 8260b. In addition, groundwater monitoring wells MW-4 and MW-10 were sampled and the samples submitted for quantification of PAHs using EPA Method 8310.

Groundwater monitoring wells MW-1, MW-2, MW-3 and MW-11 were sampled on December 17, 2004 and the samples submitted for quantification of BTEX using EPA Method 8260b and PAHs using EPA Method 8310. In addition, groundwater monitoring well MW-12 was sampled and the sample was analyzed for BTEX using EPA Method 8260b.

### VI. Groundwater Analytical Results

A total of five wells had PSH present on the water column in the well at the beginning of 2004. The thickness of PSH ranged from a skim to 0.61 feet. No PSH were detected in any of the groundwater monitoring wells during the final sampling events of 2004. A summary of PSH recovery is presented in Table 1. Dissolved BTEX and TPH concentrations generally decreased with some minor fluctuations across the site during the past year. Analytical results for PAH were non-detectable in the samples collected from groundwater monitoring wells MW-4, MW-9, MW-10 and MW-13. Low concentrations of PAHs were detected in the samples collected from groundwater monitoring wells MW-1 (4.12  $\mu$ g/L), MW-3 (4.35  $\mu$ g/L), MW-11 (8.9  $\mu$ g/L) and MW-12 (0.47  $\mu$ g/L). Elevated levels of PAHs were detected in the sample collected from groundwater monitoring well MW-2 (213  $\mu$ g/L), which are likely due to the presence of PSH in the groundwater in the vicinity of the well in the recent past. A summary of groundwater analytical results is included as Table 2 and Table 3 and copies of the analytical results are included as Appendix A.

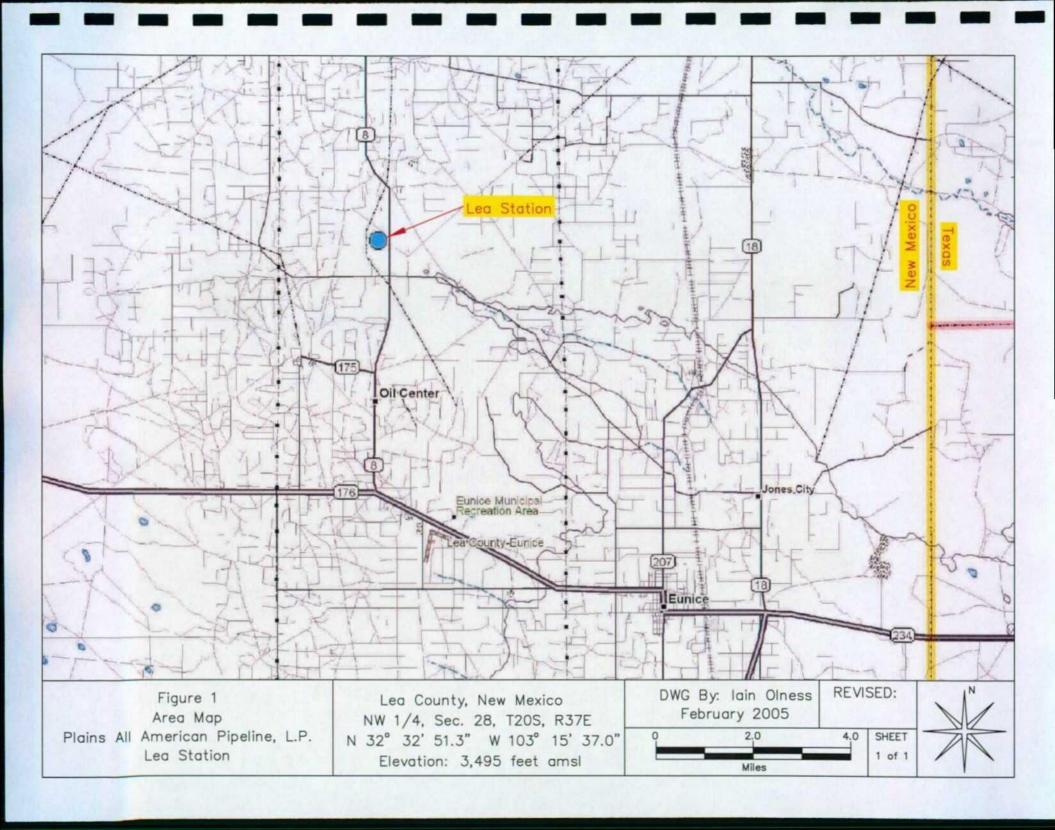


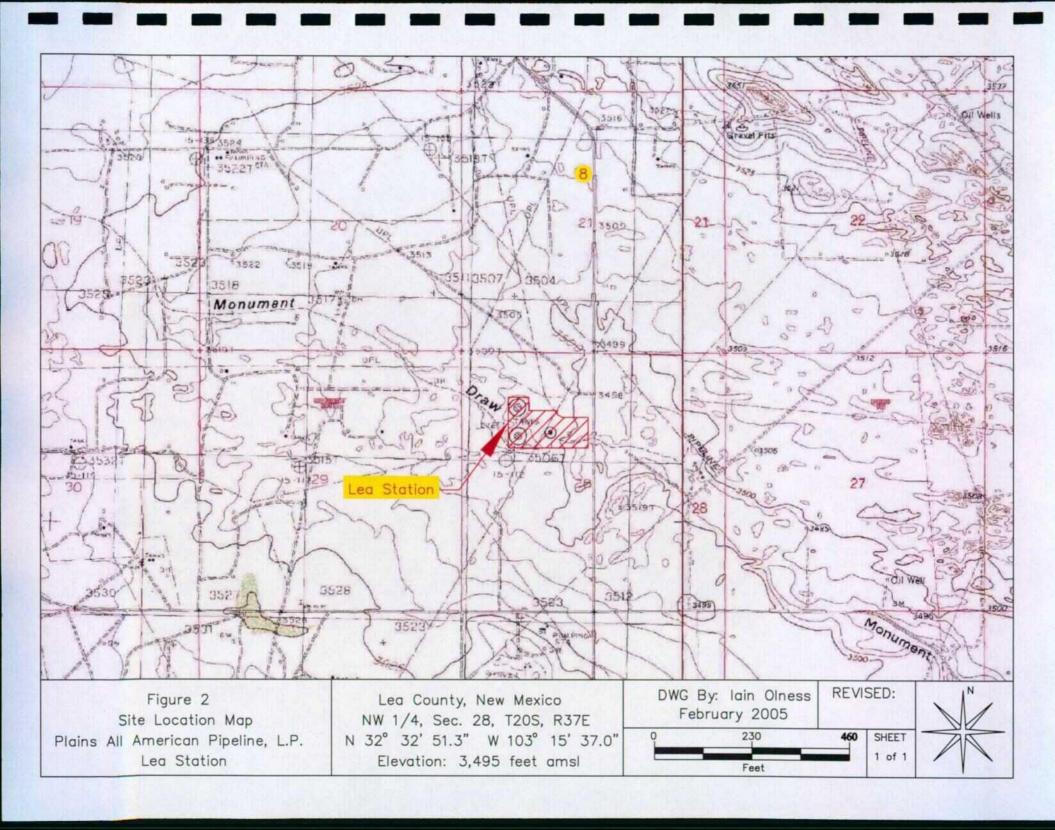
#### VII. Recommendations

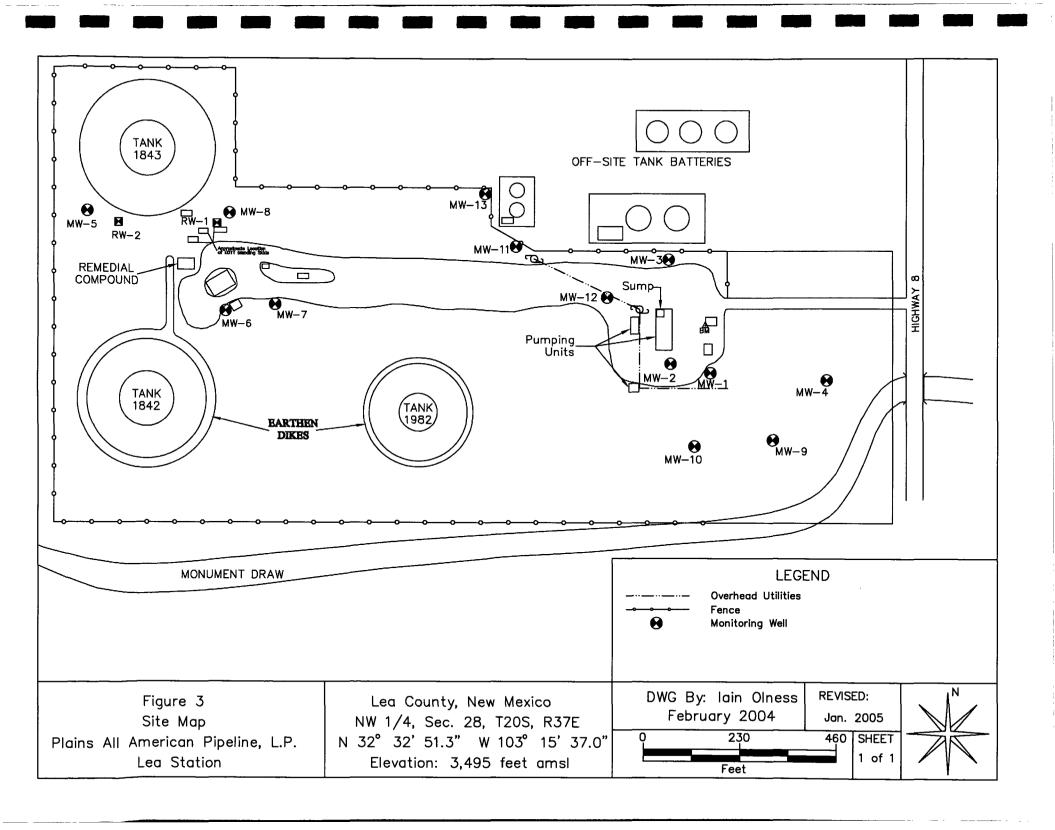
Based on field monitoring and analytical results collected during the past year and analyzed in conjunction with data collected during the past eight years, the following changes are recommended in the sampling protocol and summarized in Table 4:

- 1) Field and analytical results indicated the presence of two separate contaminant plumes at the site in the past. A western plume located in the vicinity of groundwater monitoring wells MW-5, MW-6, MW-7 and MW-8 and recovery wells RW-1 and RW-2 and an eastern plume located in the vicinity of groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, MW-9, MW-10, MW-11, MW-12 and MW-13. Current field and analytical results indicate that the western by Tank 1843 has been remediated. This supposition is supported by the fact that no PSHs have been detected in recovery wells RW-1 and RW-2 for approximately the past two years and groundwater monitoring wells MW-5, MW-6, MW-7 and MW-8 have exhibited more than eight quarters of BTEX concentrations below the New Mexico Water Quality Commission Control (NMWQCC) Groundwater Standards. Therefore, Plains requests authorization to seal and abandon recovery wells RW-1 and RW-2 and groundwater monitoring wells MW-5 and MW-6. Groundwater monitoring wells MW-7 and MW-8 will remain as upgradient monitoring wells for the eastern contaminant plume.
- 2) Gauge all groundwater monitoring wells for water levels and the presence of PSH on a monthly basis.
- 3) Sample groundwater monitoring wells MW-1, MW-2, MW-3, MW-11 and MW-12 on a quarterly basis and submit the samples for quantification of BTEX. The samples should be analyzed annually for the presence of PAHs. In the event PSHs are detected during a sampling event in any of the groundwater monitoring wells, these wells will not be included in the quarterly sampling event.
- 4) Sample groundwater monitoring wells MW-4, MW-7, MW-8, MW-9, MW-10, and MW-13 on an annual basis and submit the samples for quantification of BTEX. Should analytical results indicate the presence of contaminants, the impacted well should be sampled on a quarterly basis and the samples submitted for quantification of BTEX and annually for PAH.

**FIGURES** 







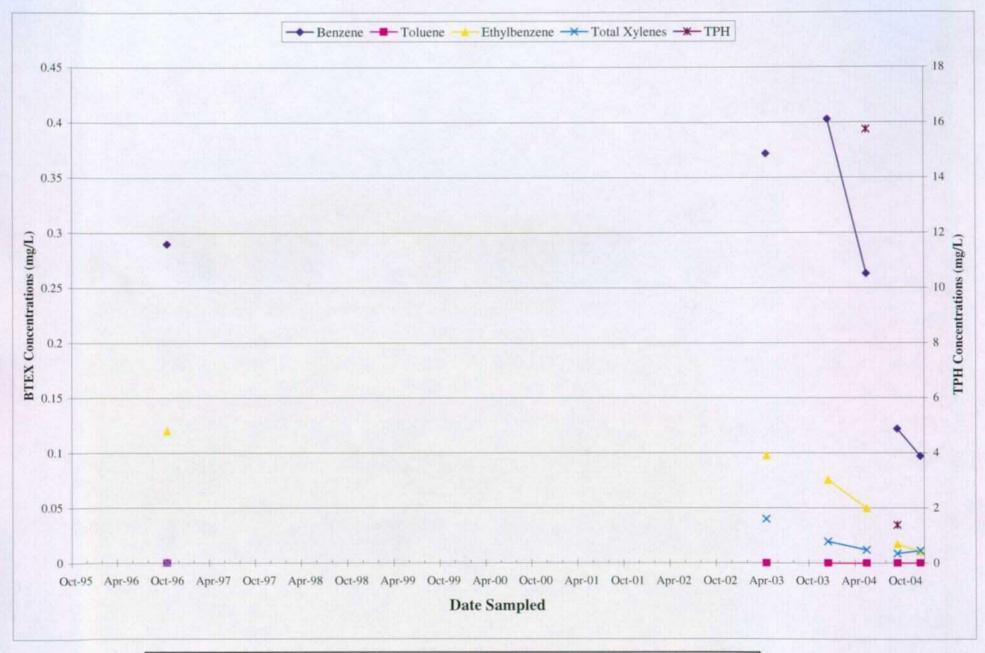


Figure 4: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-1, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/04.



Figure 5: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-2, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/04.

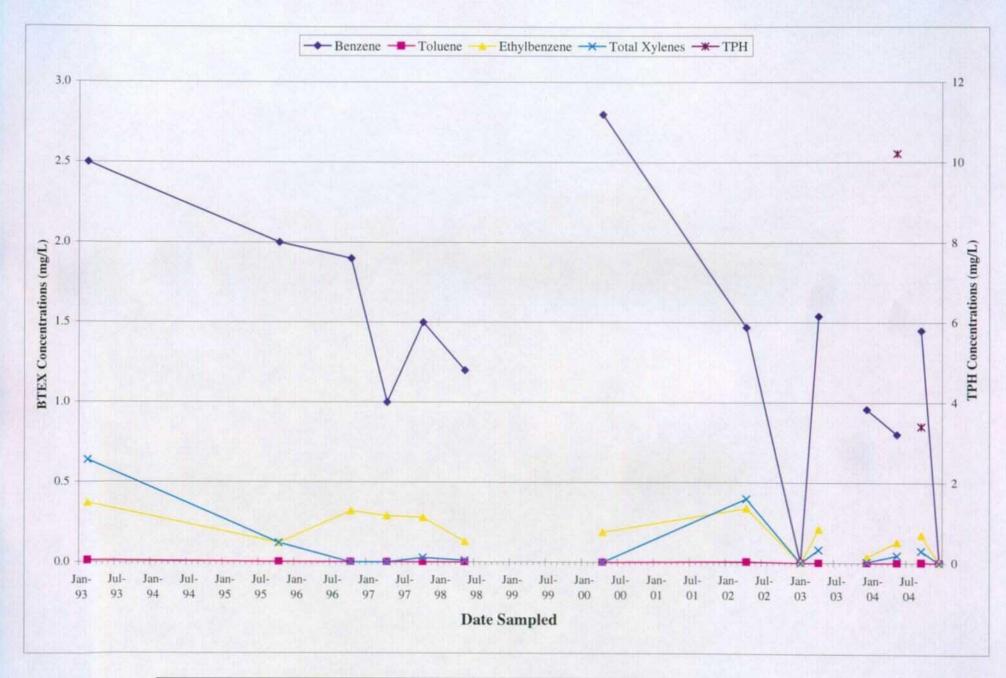


Figure 6: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-3, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/04.

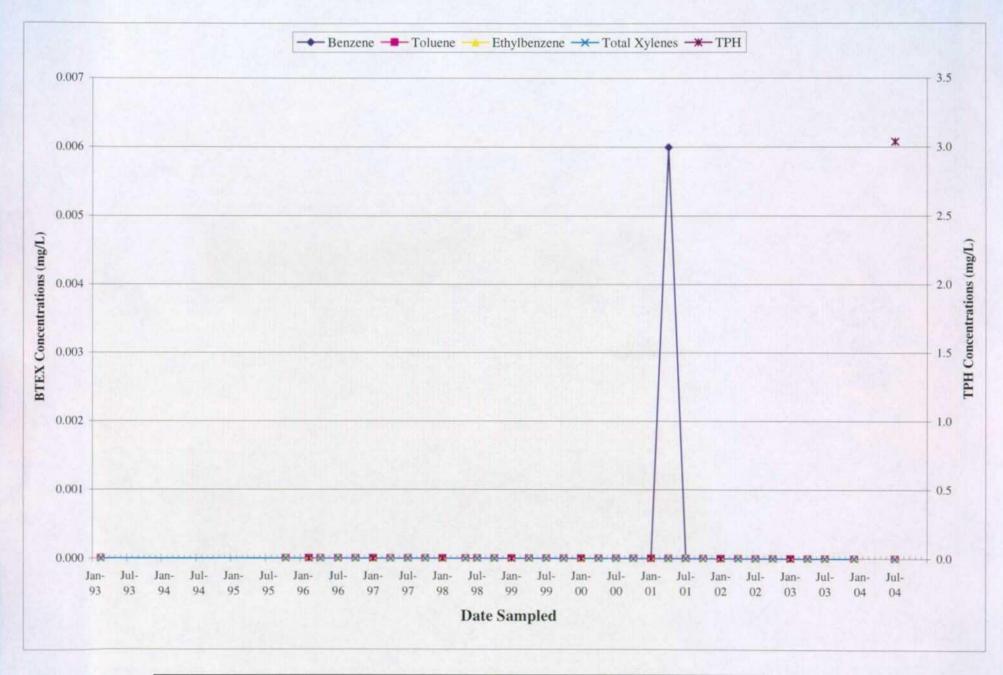


Figure 7: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-4, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/04.

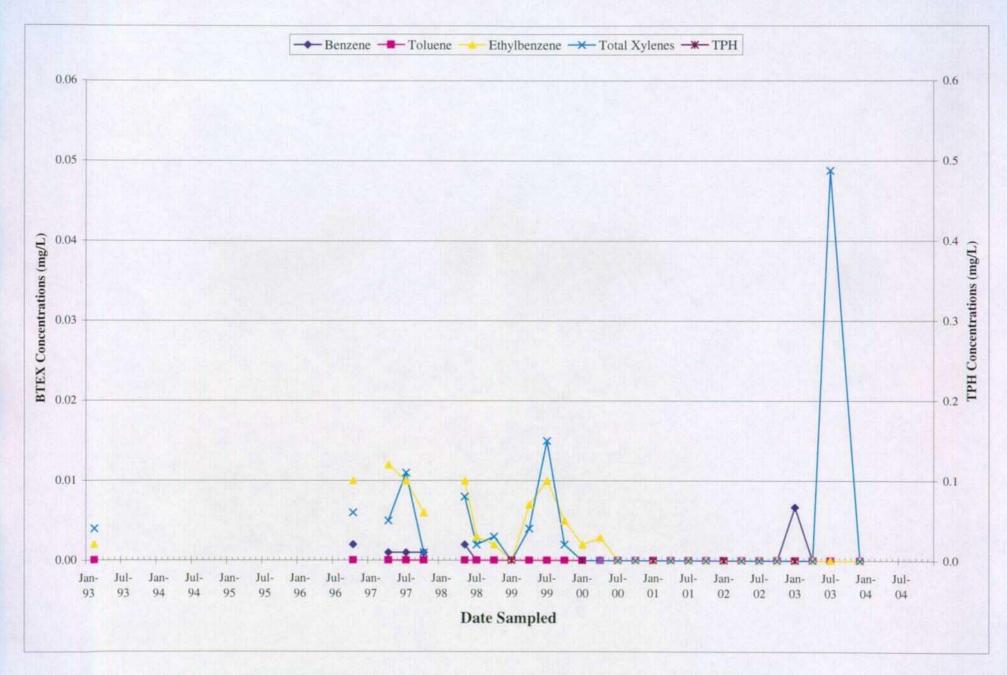


Figure 8: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-5, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/04.

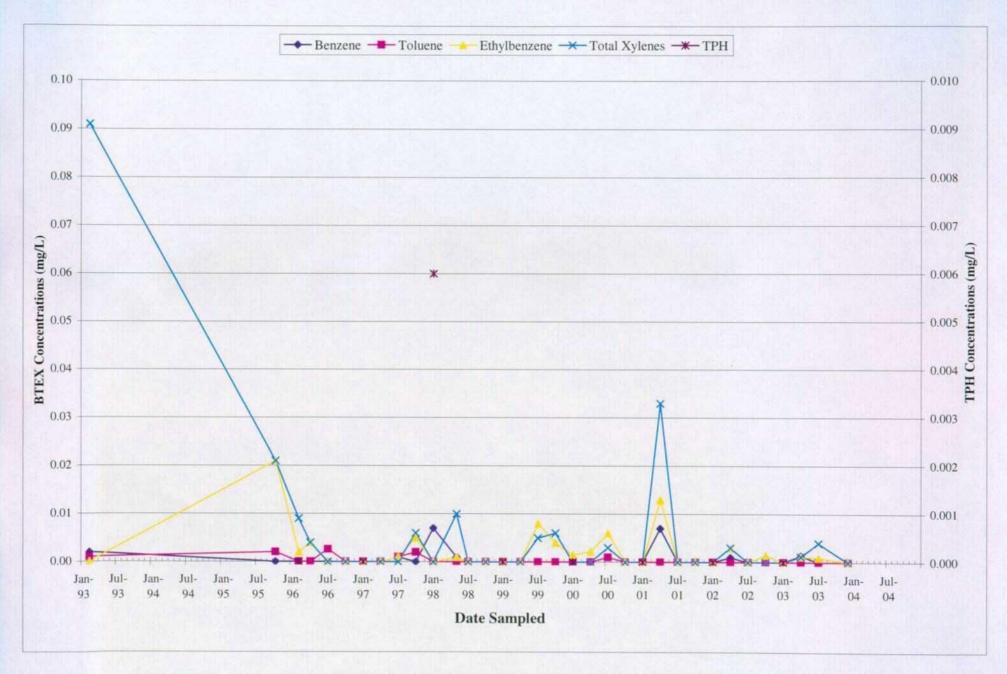


Figure 9: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-6, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/04.

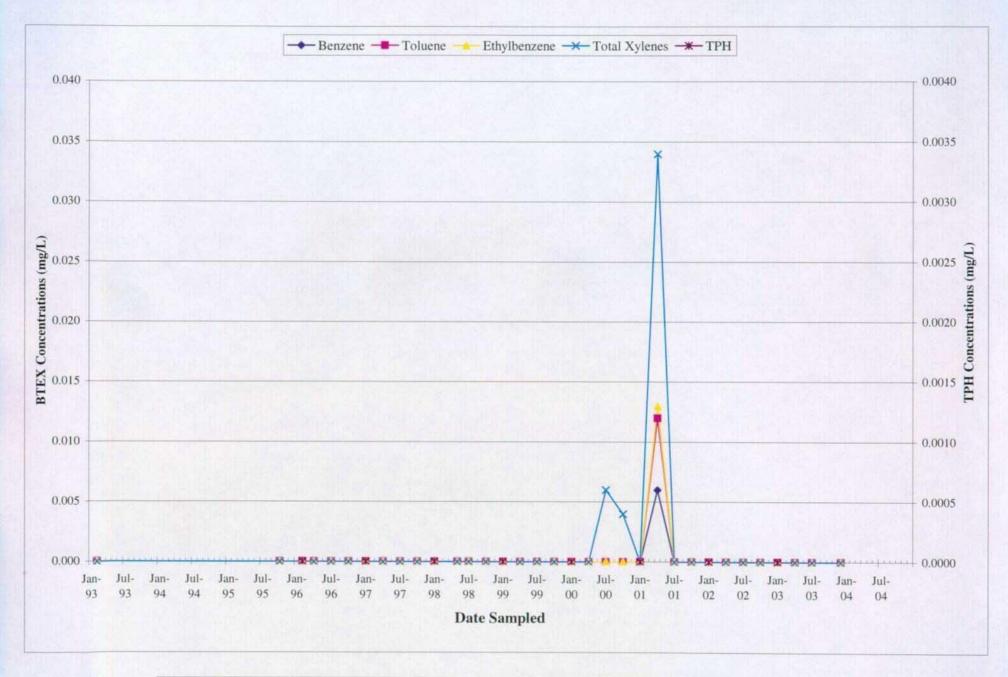


Figure 10: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-7, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/16/93 through 12/31/04.

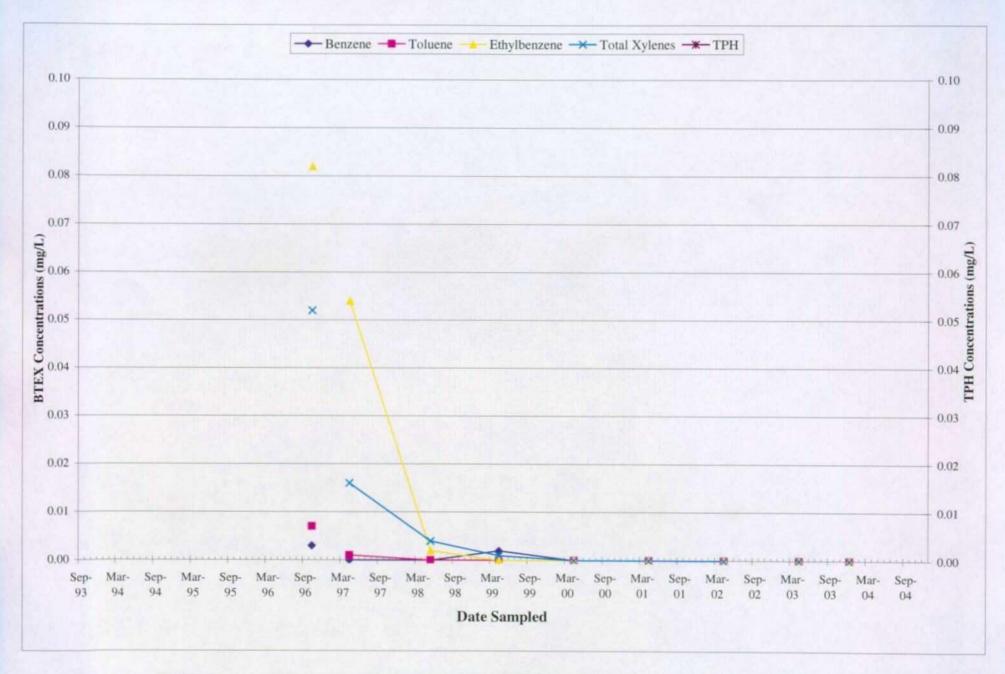


Figure 11: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-8, Plains All American Pipeline Lea Station, Lea County New Mexico, from 09/30/93 through 12/31/04.

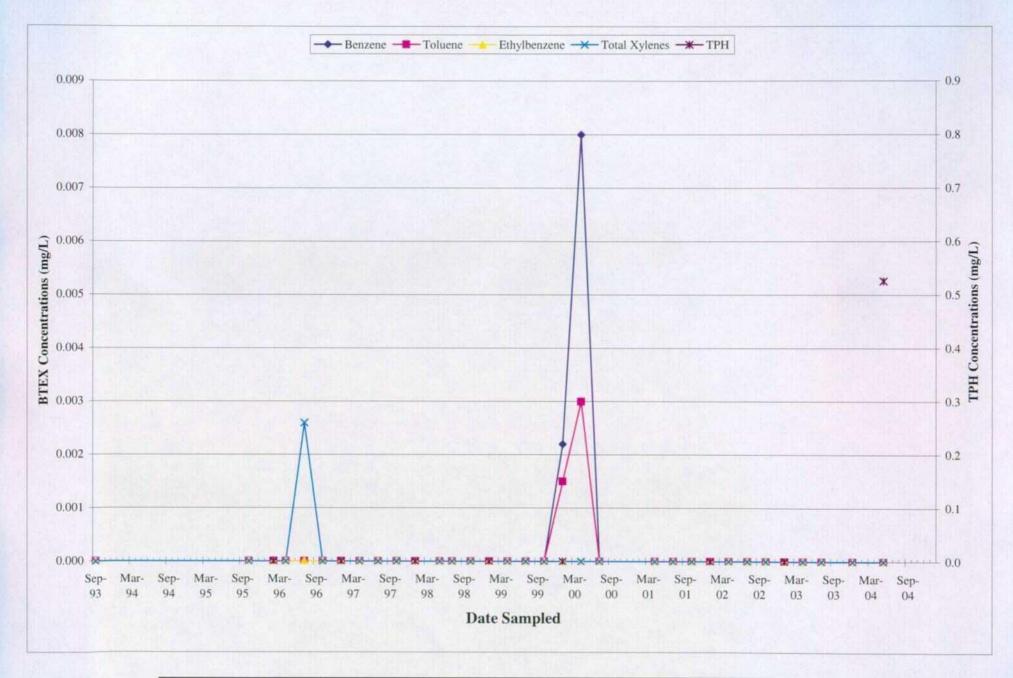


Figure 12: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-9, Plains All American Pipeline Lea Station, Lea County New Mexico, from 09/30/93 through 12/31/04.



Figure 13: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-10, Plains All American Pipeline Lea Station, Lea County New Mexico, from 09/30/93 through 12/31/04.

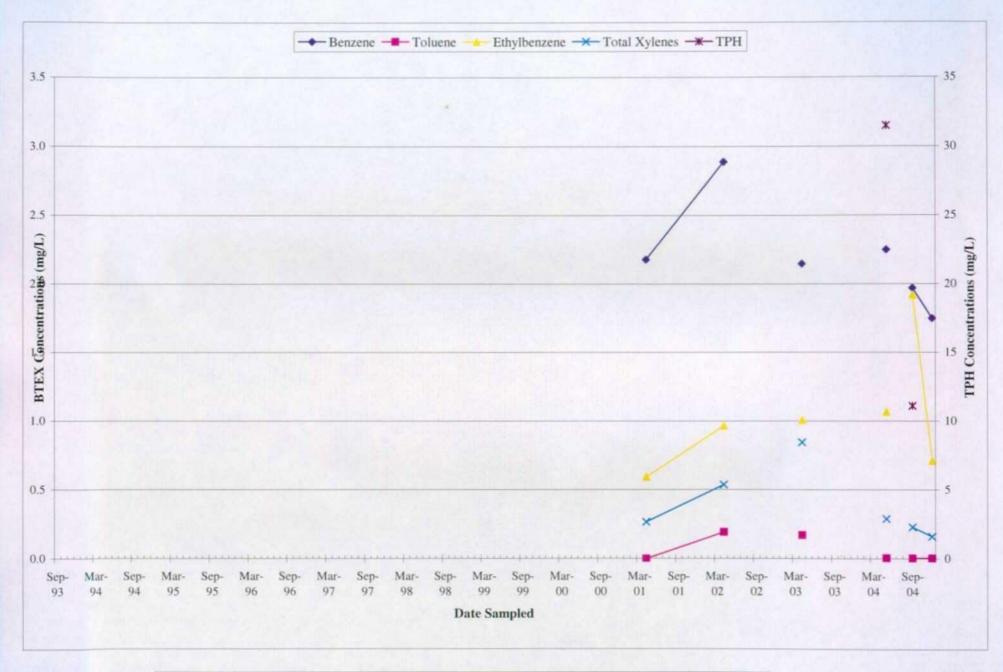


Figure 14: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-11, Plains All American Pipeline Lea Station, Lea County New Mexico, from 09/30/93 through 12/31/04.

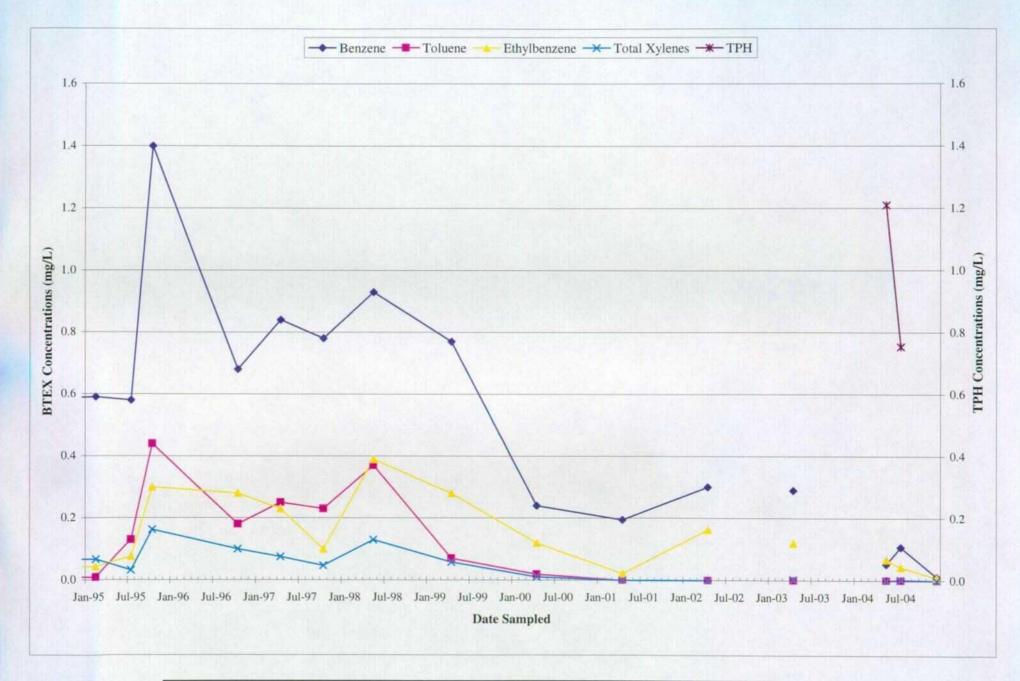


Figure 15: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-12, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/10/95 through 12/31/04.

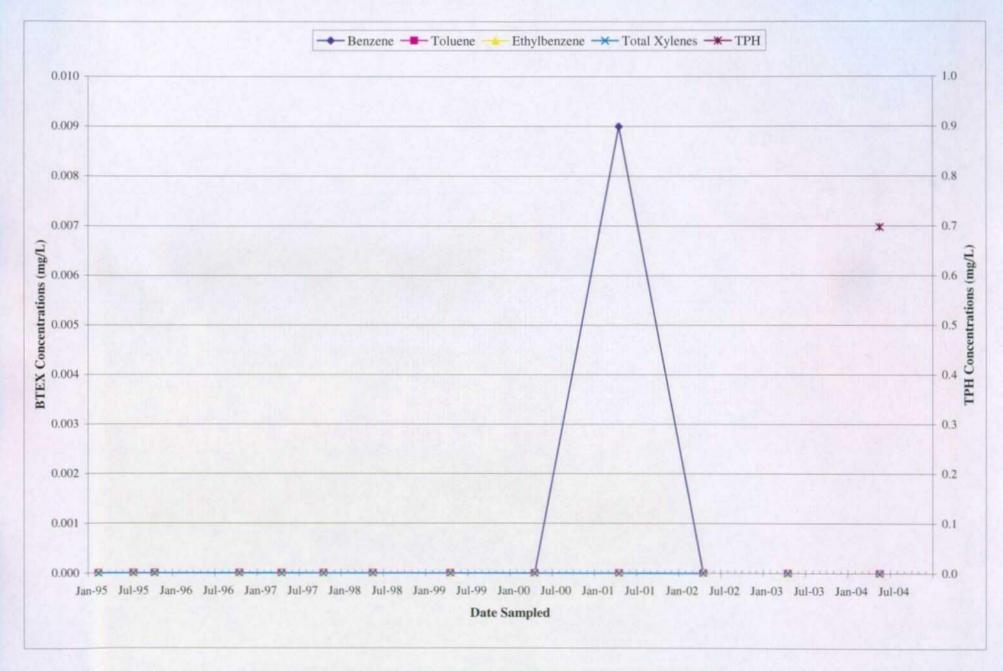


Figure 16: BTEX and TPH Concentrations for Groundwater Monitoring Well MW-13, Plains All American Pipeline Lea Station, Lea County New Mexico, from 02/10/95 through 12/31/04.



Figure 17: Hydrograph for Monitoring Wells MW-1 through MW-4, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/04.

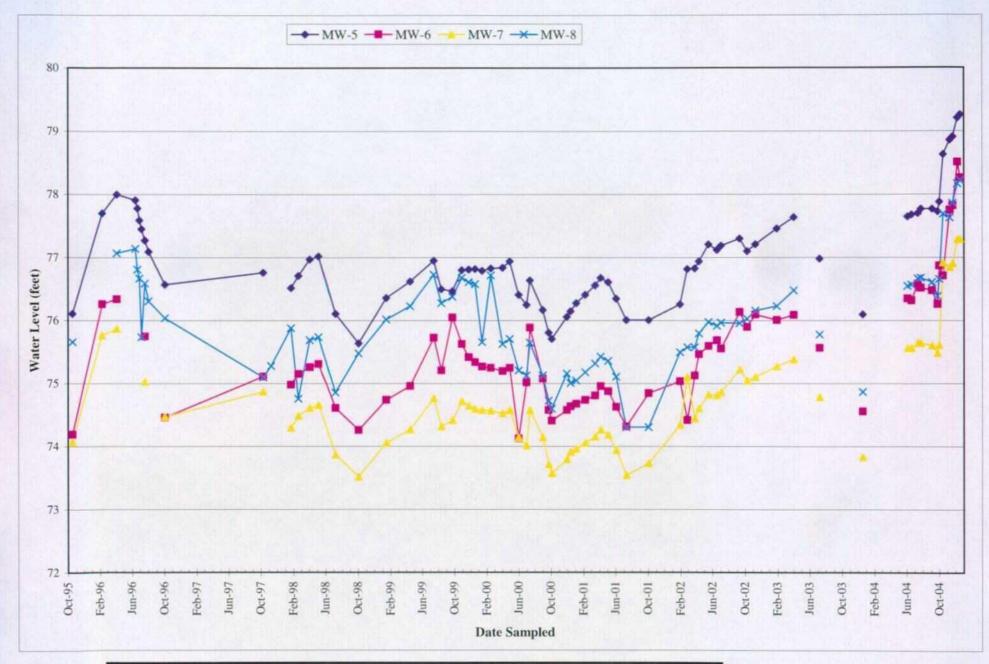


Figure 18: Hydrograph for Monitoring Wells MW-5 through MW-8, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/04.

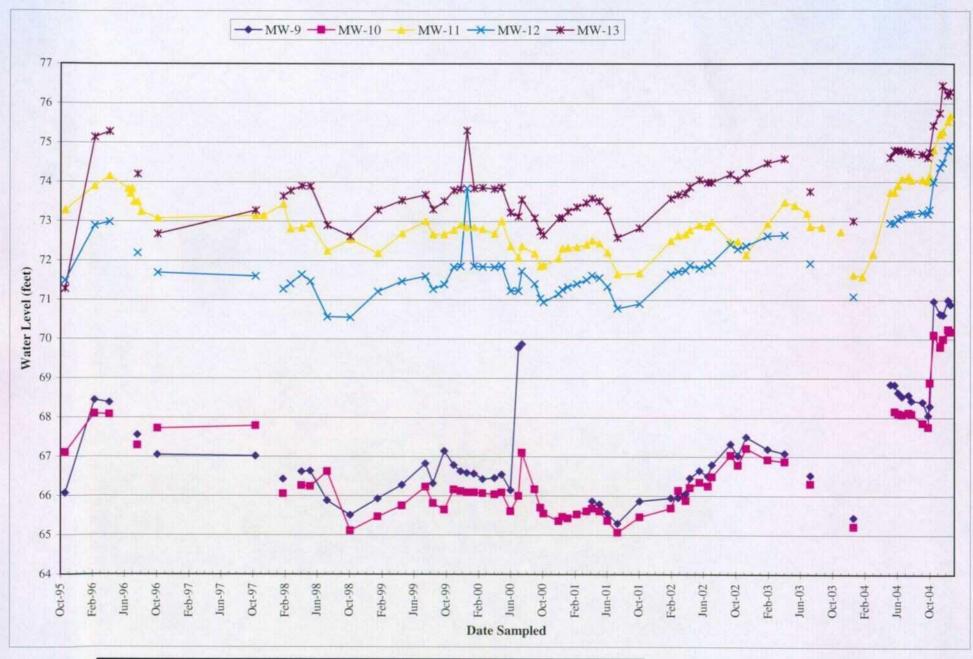


Figure 19: Hydrograph for Monitoring Wells MW-9 through MW-13, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/04.

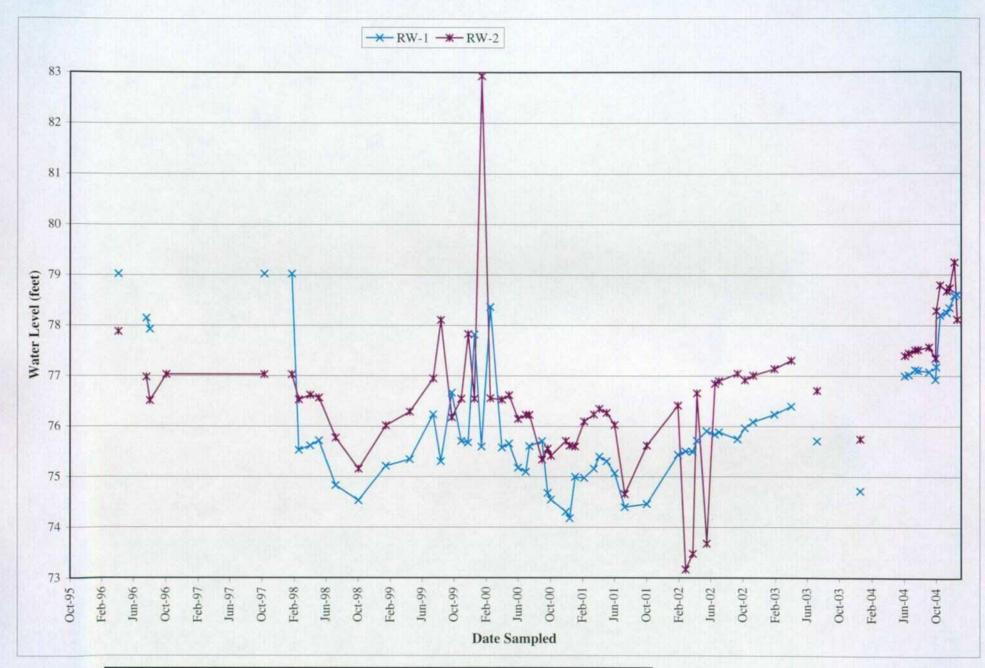
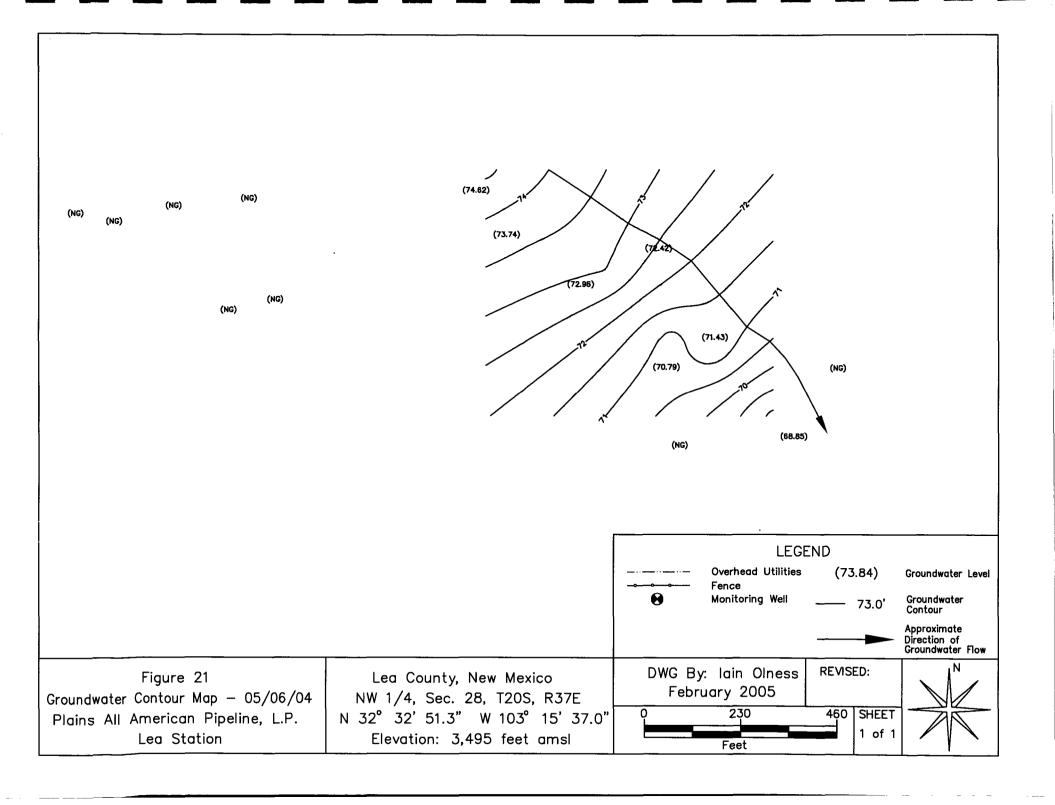
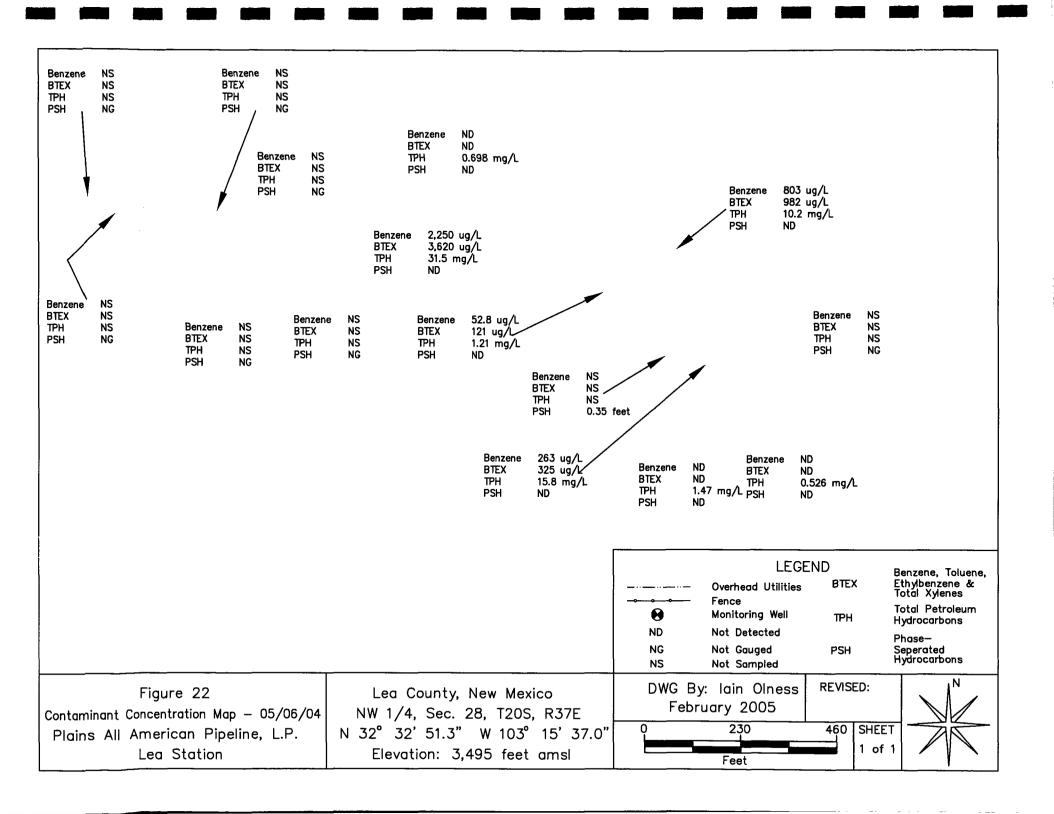
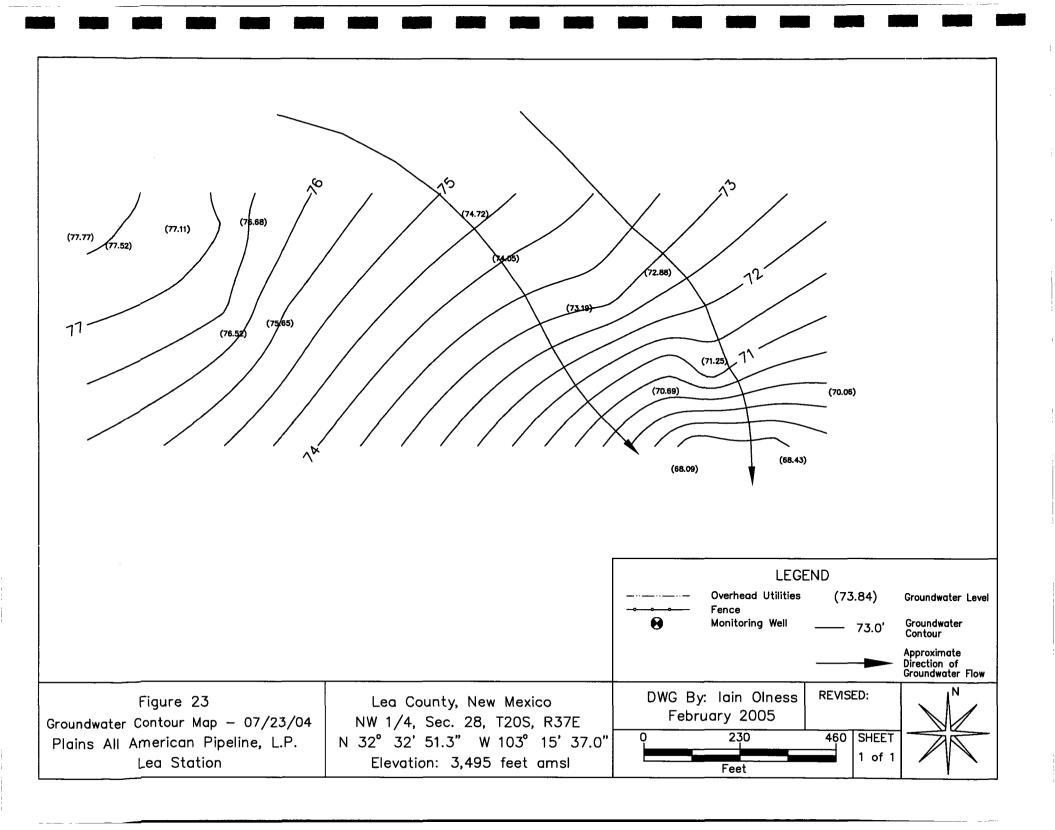
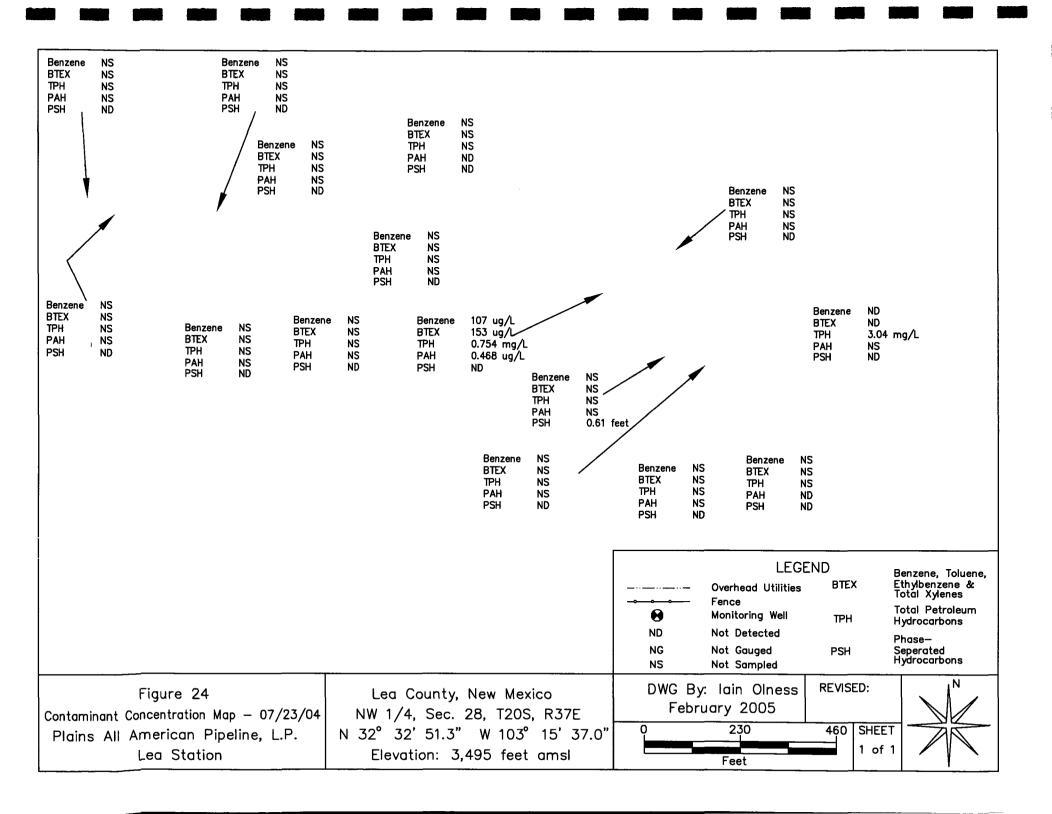


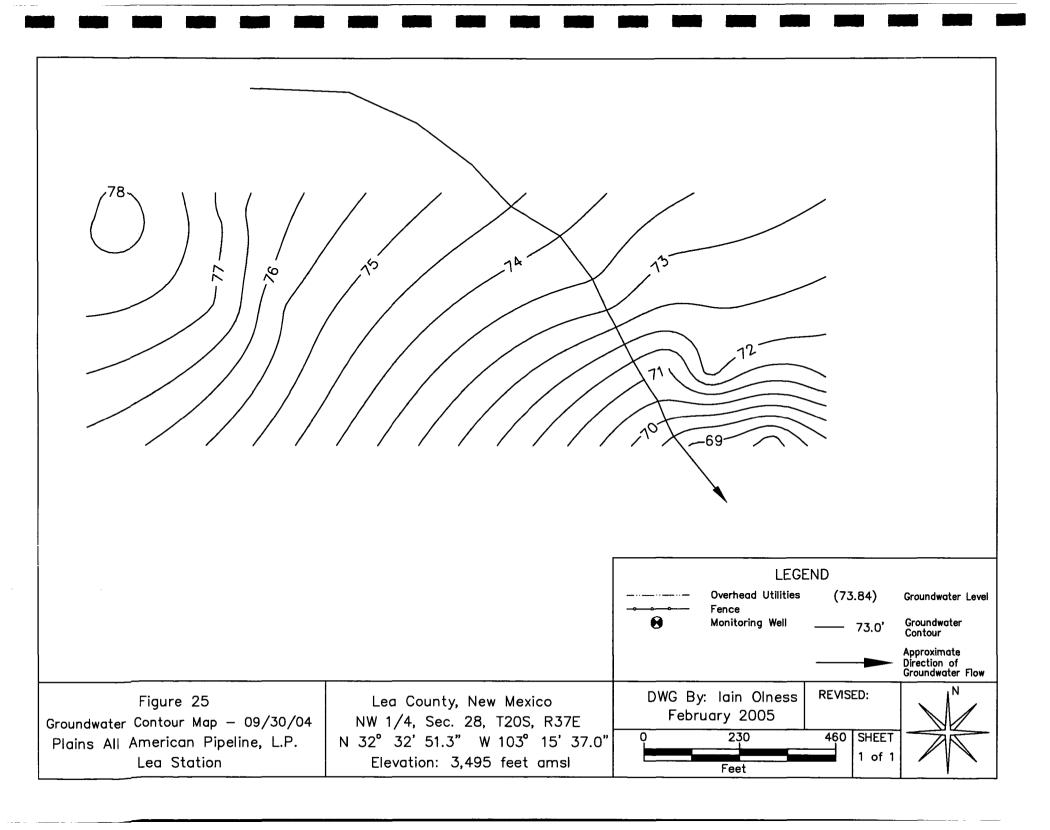
Figure 20: Hydrograph for Recovery Wells RW-1 and RW-2, Plains All American Pipeline Lea Station, Lea County New Mexico, from 10/17/95 through 12/31/04.

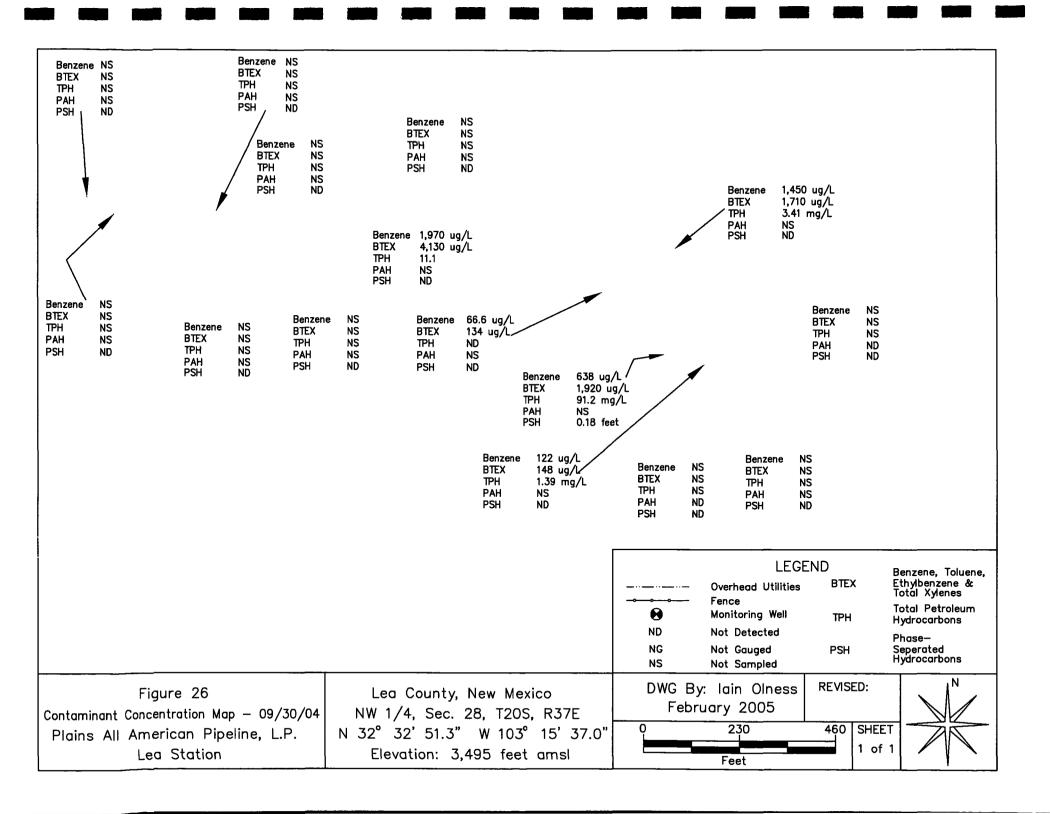


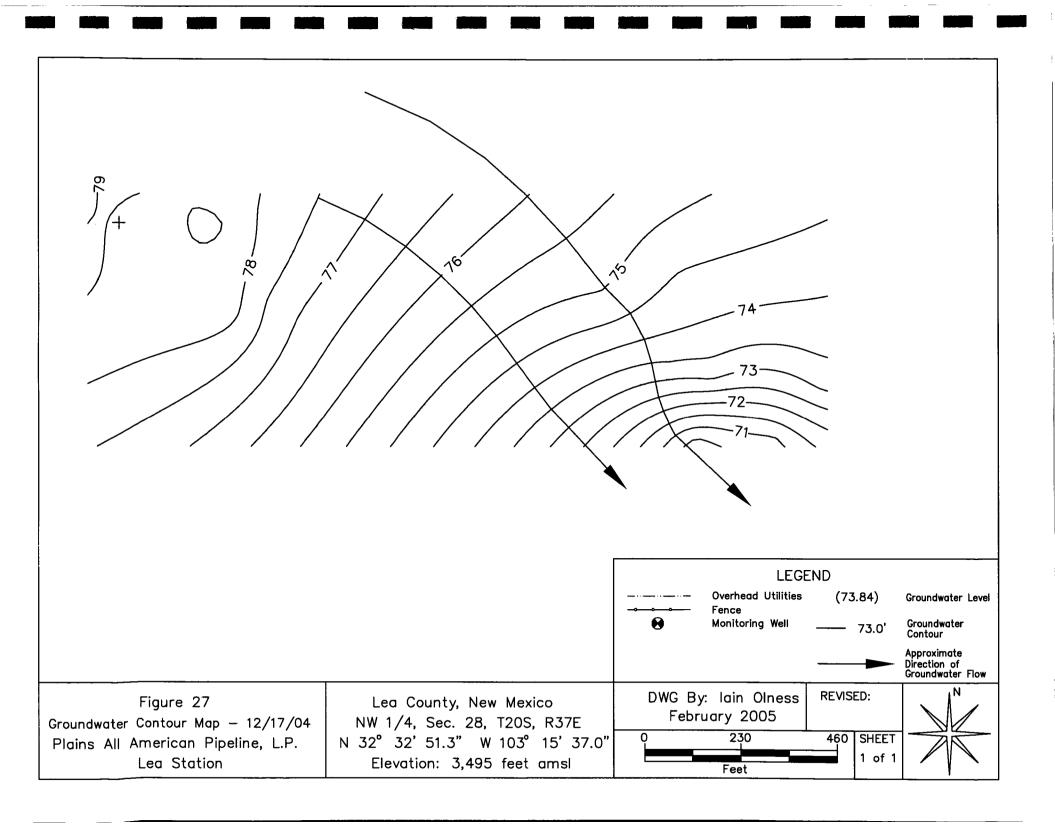


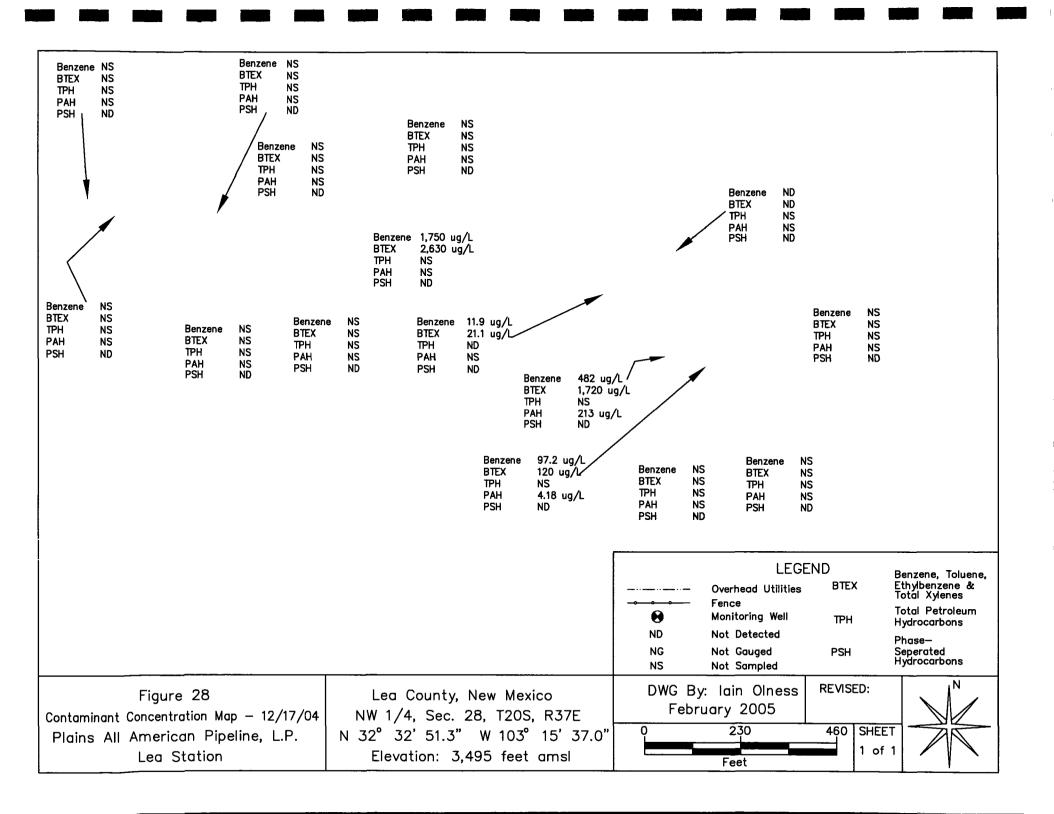












**TABLES** 

### TABLE 1

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-1	10/17/95	98.88	100.73	32.52	33.16	68.15	0.64			
	02/07/96			30.39	30.39	70.34	0.00			
	04/03/96				1					
1	06/12/96			30.22	30.22	70.51	0.00			
	06/20/96			31.35	31.35	69.38	0.00			
	06/27/96			31.51	31.51	69.22	0.00			
	07/05/96			30.67	30.67	70.06	0.00			
	07/18/96			30.69	30.69	70.04	0.00			
	08/01/96			30.86	30.86	69.87	0.00			
	10/02/96			28.06	28.06	72.67	0.00			
İ	10/09/97			31.73	31.73	69.00	0.00	0.25		Absorptive Boom
1	11/08/97	98.88	100.73		31.73	69.00	0.00	0.10	12.96	Absorptive Boom/Hand Bail
	01/22/98			31.65	31.84	69.06	0.19		12.96	
	02/18/98			31.52	31.60	69.20	0.08		12.96	
	04/02/98			31.51	31.74	69.20	0.23	2.50	15.46	Absorptive Boom/Hand Bail
	05/05/98			31.31	31.37	69.41	0.06	2.50	17.96	Absorptive Boom/Hand Bail
	07/07/98			32.30	32.64	68.40	0.34	3.00	20.96	Absorptive Boom/Hand Bail
	10/02/98			31.81	32.25	68.88	0.44	2.00	22.96	Absorptive Boom/Hand Bail
	01/14/99			32.02	32.20	68.69	0.18	1.50	24.46	Absorptive Boom/Hand Bail
	04/15/99			31.57	31.98	69.12	0.41	. 50	24.46	
	07/13/99			31.10	31.55	69.59	0.45	1.50	25.96	Absorptive Boom/Hand Bail
	08/11/99 09/22/99			31.48	32.00	69.20	0.52	1.50	27.46	Absorptive Boom/Hand Bail
	10/28/99			31.68	31.90	69.03	0.22	0.25	27.71	Absorptive Boom/Hand Bail
1	10/28/99			31.16 31.16	31.26 31.26	69.56 69.56	0.10 0.10	1.75 0.25	29.46	Absorptive Boom/Hand Bail
]]	12/17/99			31.10	31.26	69.36	0.10	0.25	29.71	Absorptive Boom
	01/13/00				31.29	69.44	0.00	0.25	29.96 30.21	Absorptive Boom
	02/15/00				31.30	69.40	0.00	0.25	29.46	Absorptive Boom
	03/31/00				31.33	69.32	0.00	0.25	29.46 30.46	Absorptive Boom
	03/31/00				31.41	69.32	0.00	0.23	30.46	Absorptive Boom
1	05/31/00				31.32	69.41	0.00	0.25	•	Absorptive Boom
	03/31/00		L		31./3	09.00	0.00	0.25	30.71	Absorptive Boom

TABLE 1

# RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-1	06/30/00				31.47	69.26	0.00		30.71	Absorptive Boom
(cont.)	07/13/00				30.53	70.20	0.00	0.25	30.96	Absorptive Boom
	08/30/00	·			31.40	69.33	0.00		30.96	Absorptive Boom
	09/21/00		}		31.82	68.91	0.00		30.96	Absorptive Boom
	10/03/00				31.95	68.78	0.00		30.96	Absorptive Boom
	11/29/00			32.00	32.07	68.72	0.07	0.25	31.21	Absorptive Boom
	12/13/00				31.90	68.83	0.00	0.25	31.46	Absorptive Boom
	01/03/01				31.85	68.88	0.00	0.25	31.71	Absorptive Boom
	02/06/01				31.83	68.90	0.00	0.25	31.96	Absorptive Boom
	03/15/01				31.75	68.98	0.00	0.25	32.21	Absorptive Boom
	04/05/01				31.68	69.05	0.00	0.25	32.46	Absorptive Boom
	05/03/01				31.76	68.97	0.00	0.25	32.71	Absorptive Boom
	06/02/01				32.00	68.73	0.00	0.25	32.96	Absorptive Boom
	07/10/01			32.19	32.32	68.53	0.13	0.25	33.21	Absorptive Boom
	10/02/01			31.62	31.63	69.11	0.01	0.50	33.71	Absorptive Boom
	01/28/02				31.57	69.16	0.00	0.25	33.96	Absorptive Boom
	02/25/02				31.48	69.25	0.00	0.25	34.21	Absorptive Boom
	03/25/02				31.42	69.31	0.00	0.00	34.21	Absorptive Boom
	04/10/02				31.05	69.68	0.00	0.00	34.21	Absorptive Boom
	05/16/02	<b>\</b>			31.04	69.69	0.00	0.00	34.46	Absorptive Boom
	06/17/02				31.12	69.61	0.00	0.00	34.46	Absorptive Boom
	07/02/02	ł			30.88	69.85	0.00	0.00	34.46	Absorptive Boom
	09/10/02				30.50	70.23	0.00	0.00	34.46	Absorptive Boom
	10/08/02				30.65	70.08	0.00	0.00	34.46	Absorptive Boom
	11/08/02	Į	Į į		29.91	70.82	0.00	0.00	34.46	Absorptive Boom
	01/28/03				30.49	70.24	0.00	0.00	34.46	Absorptive Boom
	04/02/03				30.60	70.13	0.00	0.00	34.46	Absorptive Boom
	05/10/03	1								•
	06/26/03				30.90	69.83	0.00	0.50	34.96	Absorptive Boom
1	07/08/03	]			31.11	69.62	0.00	0.00	34.46	Absorptive Boom
L	08/20/03		<u> </u>		1	<u> </u>	<u> </u>		l	<u></u>

#### TABLE 1

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-1 (cont.)	09/30/03 10/31/03									
(Cont.)	11/12/03					ļ				
	12/18/03				32.10	68.63	0.00	0.00	34.46	Absorptive Boom
	01/21/04 03/01/04					A 18 Henrica Hill				
<u> </u>	05/06/04				29.30	71.43	0.00	0.00	34.46	Absorptive Boom
	05/21/04			A VIII	29.20	71,53	0.00	# 0.00	34.46	Absorptive Boom
	06/03/04 06/18/04				29.42 29.50	71.31 71.23	0.00 0.00	0.00	34.46 34.46	Absorptive Boom (Changed Out)
	07/12/04			11	29.36	71.37	0.00	0.00	34.46	Absorptive Boom (Changed Out)
	07/23/04	THE THE TANK THE PERSON	E. J. S. N. S. A. M. READ RESIDENCE	MICHAEL COLORES AND A STATE	29.48	71.25	0.00	0.00	34.46	Absorptive Boom
	09/03/04		1 1		29.57	71.16	0.00	0.00	34.46	Absorptive Boom (Changed Out)
	<b>09/24/04</b> 09/30/04				<b>29.75</b> 28.51	<b>70.98</b> 72.22	<b>0.00</b> 0.00	<b>0.00</b> 0.00	<b>34.46</b> 34.46	Absorptive Boom Absorptive Boom (Changed Out)
	10/15/04				29.15	71,58	0.00	0.00	34.46	Absorptive Boom
	11/09/04				27.65	73.08	0.00	0.00	34.46	Absorptive Boom
	11/19/04			Terms 1	27.63	73.10	0.00	0.00	34,46	Absorptive Boom
	12/07/04			A 17 - 17 - 17 - 17 - 17 - 17 - 17 - 17	27,44 27.51	<b>73.29</b> 73.22	<b>.0.00</b> 0.00	# <b>20:00</b> 0.00	<b>34:46</b> 34.46	Absorptive:Boom (Changed Out) Absorptive Boom
MW-2	12/17/04 10/17/95	100.78	102.37	31.89	32.04	70.47	0.00	0.00	34.40	Absorptive Boom
11111-2	02/07/96	100.70	102.57	31.14	31.38	71.21	0.24	0.00		
	04/03/96			30.96	31.29	71.38	0.33	0.00		
	06/12/96	!			31.32	71.05	0.00	0.00		
	06/20/96				32.25 31.33	70.12 71.04	0.00 0.00	0.00 0.00	ļ	
	06/27/96 07/05/96				30.67	71.70	0.00	0.00		
	07/18/96				31.58	70.79	0.00	0.00		
	08/01/96				31.83	70.54	0.00	0.00		
	10/02/96			32.13	32.71	70.18	0.58	0.00		
	10/09/97	L	<u> </u>		31.38	70.99	0.00	0.00	<u> </u>	Absorptive Boom/Hand Bail

TABLE 1

# RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-2	11/08/97	100.78	102.37		31.56	70.81	0.00	0.05	10.25	Absorptive Boom/Hand Bail
(cont.)	01/22/98			33.34	34.37	68.93	1.03	0.50	10.75	Absorptive Boom/Hand Bail
	02/18/98			33.15	34.14	69.12	0.99	0.50	11.25	Absorptive Boom/Hand Bail
	04/02/98			33.51	34.72	68.74	1.21	2.00	13.25	Absorptive Boom/Hand Bail
	05/05/98			33.26	34.28	69.01	1.02	2.00	15.25	Absorptive Boom/Hand Bail
	07/07/98	ļ	[	34.62	36.44	67.57	1.82	3.00	18.25	Absorptive Boom/Hand Bail
	10/02/98			31.81	33.13	70.43	1.32	2.00	20.25	Absorptive Boom/Hand Bail
	01/14/99			32.83	34.23	69.40	1.40		20.25	Absorptive Boom/Hand Bail
	04/15/99		ŀ	32.36	34.20	69.83	1.84		20.25	
	07/13/99			31.88	34.30	70.25	2.42	4.00	24.25	Hand Bail
  }	08/11/99			32.27	34.70	69.86	2.43	3.50	27.75	Hand Bail
	09/22/99			32.32	34.14	69.87	1.82	2.50	30.25	Hand Bail
	10/28/99			31.98	33.30	70.26	1.32	2.00	32.25	Hand Bail
	11/23/99	ļ		31.93	33.28	70.31	1.35	2.00	34.25	Absorptive Boom/Hand Bail
	12/17/99			32.26	32.94	70.04	0.68	1.25	35.50	Absorptive Boom/Hand Bail
	01/13/00		ļ	32.31	33.20	69.97	0.89	1.50	37.00	Absorptive Boom/Hand Bail
	02/15/00			32.30	33.30	69.97	1.00	0.50	37.50	Absorptive Boom/Hand Bail
ļ	03/31/00			32.28	33.73	69.95	1.45	1.00	38.50	Absorptive Boom/Hand Bail
	04/27/00			32.01	33.31	70.23	1.30	1.50	40.00	Absorptive Boom/Hand Bail
li I	05/31/00	l .		32.49	34.48	69.68	1.99	3.00	43.00	Absorptive Boom/Hand Bail
	06/30/00			32.58	33.79	69.67	1.21	2.00	45.00	Absorptive Boom/Hand Bail
l .	07/13/00			32.61	33.69	69.65	1.08	1.50	46.50	Absorptive Boom/Hand Bail
	08/30/00			32.27	34.03	69.92	1.76	1.50	48.00	Hand Bail
	09/21/00			32.60	34.86	69.54	2.26	3.00	51.00	Hand Bail
	10/03/00			32.80	34.12	69.44	1.32	1.50	52.50	Hand Bail
ll .	11/29/00	1		32.76	34.30	69.46	1.54	2.50	55.00	Hand Bail
	12/13/00			32.70	33.58	69.58	0.88	0.50	55.50	Absorptive Boom/Hand Bail
	01/03/01			32.68	33.33	69.63	0.65	0.50	56.00	Absorptive Boom/Hand Bail
	02/06/01			32.79	33.83	69.48	1.04	0.50	56.50	Absorptive Boom/Hand Bail
l	03/15/01	1		32.85	33.91	69.41	1.06	0.50	57.00	Absorptive Boom/Hand Bail
	04/05/01			33.00	34.10	69.26	1.10	0.50	57.50	Absorptive Boom/Hand Bail

#### TABLE 1

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-2	05/03/01			32.98	34.16	69.27	1.18	0.50	58.00	Absorptive Boom/Hand Bail
(cont.)	06/02/01			32.91	34.86	69.27	1.95	0.50	58.50	Absorptive Boom/Hand Bail
	07/10/01			32.89	35.50	69.22	2.61	1.50	59.00	Absorptive Boom/Hand Bail
	10/02/01			32.69	34.52	69.50	1.83	1.50	59.50	Absorptive Boom/Hand Bail
	01/28/02			32.90	34.34	69.33	1.44	1.50	60.00	Absorptive Boom/Hand Bail
	02/25/02			32.80	34.14	69.44	1.34	1.00	60.00	Hand Bail
	03/25/02			32.29	33.99	69.91	1.70	1.50	61.00	Hand Bail
	04/10/02			31.83	33.72	70.35	1.89	0.00	60.00	Installed passive skimmer
	05/16/02			33.32	34.14	68.97	0.82	3.00	63.00	Skimmer
	06/17/02			32.80	33.70	69.48	0.90	1.50	62.50	Skimmer
	07/02/02			32.91	33.03	69.45	0.12	2.50	62.50	Skimmer
	09/10/02			32.65	34.29	69.56	1.64	0.50	63.50	Skimmer
	10/08/02			32.80	34.38	69.41	1.58	0.50	63.00	Skimmer
	11/08/02			32.20	34.25	69.97	2.05	0.50	63.00	Skimmer
	01/28/03			32.22	34.59	69.91	2.37	2.50	66.00	Skimmer
	04/02/03			32.12	33.16	70.15	1.04	5.50	71.50	Skimmer
	05/10/03			32.15	33.12	70.12	0.97	4.50	76.00	Skimmer
	06/26/03			32.16	34.06	70.02	1.90	3.00	79.00	Skimmer
	07/08/03			33.12	33.47	69.22	0.35	3.00	82.00	Skimmer
	08/20/03			33.20	33.41	69.15	0.21	2.50	84.50	Skimmer
	09/30/03			33.19	33.65	69.13	0.46	2.50	87.00	Skimmer
	10/31/03			33.25	33.41	69.10	0.16	2.50	89.50	Skimmer
	11/12/03			34.10	34.23	68.26	0.13	0.50	90.00	Skimmer
	12/18/03			33.90	34.11	68.45	0.21	0.41	90.41	Skimmer
	01/21/04			33.54	33.88	68.80	0.34	2.50	92.91	Skimmer
	03/01/04			33.87	34.05	68.48	0.18	0.35	93,26	Skimmer ###
	05/06/04			31.55	31.90	70.79	0.35	0.62	93.88	Skimmer
	05/21/04	676.2	: '27' EE	31.65-	31,97	70.69	0.32	0.58	94.46	Skimmer
	06/03/04			31,49	31.91	70.84	0.42	0.85	9531	Skimmer
	06/18/04			31.48	32.01	70.84	0.53	1.03	96.34	Skimmer
	07/12/04	426		31.51	32.12	70.80	0.81	2.50	98.84	Skimmer

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-2	7/23/004			31.62	32.23	70.69	0.61	2.50	101.34	Skimmer
(cont.)	09/03/04			31.57	32.00	70.76	0.43	2.50	103.84	Skimmer
	09/24/04	2 7	i iii ii	32.23	32.35	70.13	0.12	2.50	106.34	Skimmer
  }	09/30/04		7 2 72 72 77 77 77 77	31.32	31.50	71.03	0.18	15.00	121.34	Skimmer
	10/15/04			30.39	30.89	71.93	0.50	2:50	123.84	Hand Bailed
	11/09/04		京 藤 一个字。	30.20	30.21	72.17	0.01		123.84	Skimmer
	11/19/04			29.97	30.00	72.40	0.03	4	123.84	Removed skimmer and installed absorbant
	12/07/04				29.02	73.35	0.00		123.84	sock. Absorptive Boom (Changed Out)
	12/17/04	, A0	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	(2016년 1월 1일 1일 1일 1일 1일 1일 1일 1일 1일 1일 1일 1일 1일	28.92	73.45	0.00	) ·	123.84	Absorptive Boom (Changed Out)
MW-3	10/17/95	101.79	103.61		32.67	70.94	0.00	0.00	123.01	1 Iosofpuve Boom
	02/07/96				30.57	73.04	0.00	0.00		
	04/03/96				30.54	73.07	0.00	0.00		
ļ	06/12/96							0.00		
	06/20/96							0.00		
	06/27/96							0.00		
	07/05/96							0.00		
	07/18/96				31.43	72.18	0.00	0.00		
ľ	08/01/96							0.00		
	10/02/96				28.06	75.55	0.00	0.00		
	10/09/97				31.86	71.75	0.00	0.00		
1	11/08/97	101.79	103.61		Ì			0.00		No PSH
	01/22/98				32.21	71.40	0.00	0.00		
	02/18/98				32.08	71.53	0.00	0.00		
	04/02/98				32.00	71.61	0.00	0.00		
	05/05/98				31.98	71.63	0.00	0.00		
$\ $	07/07/98 10/02/98				32.70 33.06	70.91 70.55	0.00 0.00	0.00		
	01/14/99			32.58	32.65	70.55	0.00	0.00 0.50	0.50	Absorptive Boom
	04/15/99			32.36	32.56	71.02	0.07	0.50	1.00	Absorptive Boom
II.	07/13/99		Į į	31.94	32.19	71.65	0.25	0.50	1.50	Absorptive Boom

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-3	08/11/99			32.26	32.54	71.32	0.28	0.50	2.00	Absorptive Boom
(cont.)	09/22/99			32.49	32.61	71.11	0.12	0.25	2.25	Absorptive Boom
	10/28/99			32.10	32.12	71.51	0.02	0.25	2.50	Absorptive Boom
	11/23/99				31.92	71.69	0.00	0.25	2.75	Absorptive Boom
	12/17/99		:		31.94	71.67	0.00	0.25	3.00	Absorptive Boom
	01/13/00				31.96	71.65	0.00	0.25	3.25	Absorptive Boom
	02/15/00				32.00	71.61	0.00	0.25	2.00	Absorptive Boom
	03/31/00				32.10	71.51	0.00		3.25	Absorptive Boom
	04/27/00				31.98	71.63	0.00	0.25	3.50	PSH droplets present during purge
	05/31/00				32.43	71.18	0.00		3.50	Absorptive Boom
	06/30/00				32.65	70.96	0.00	0.25	3.75	Absorptive Boom
	07/13/00				32.23	71.38	0.00		3.75	Absorptive Boom
	08/30/00				32.49	71.12	0.00		3.75	Absorptive Boom
	09/21/00				32.83	70.78	0.00	0.25	4.00	Absorptive Boom
	10/03/00				32.85	70.76	0.00		4.00	Absorptive Boom
	11/29/00				32.81	70.80	0.00		4.00	Absorptive Boom
	12/13/00				32.74	70.87	0.00	0.25	4.25	Absorptive Boom
	01/03/01				32.57	71.04	0.00		4.25	Absorptive Boom
	02/06/01				32.65	70.96	0.00	0.25	4.50	Absorptive Boom
	03/15/01				32.58	71.03	0.00		4.50	Absorptive Boom
	04/05/01			32.50	32.61	71.10	0.11	0.25	4.75	Absorptive Boom
	05/03/01				32.68	70.93	0.00		4.75	Absorptive Boom
	06/02/01				32.92	70.69	0.00		4.75	Absorptive Boom
	07/10/01				33.45	70.16	0.00	0.25	5.00	Absorptive Boom
	10/02/01			33.14	33.43	70.44	0.29	0.25	5.25	Absorptive Boom
	01/28/02			32.43	32.75	71.15	0.32	0.25	5.50	Absorptive Boom
	02/25/02			32.51	32.59	71.09	0.08	0.25	5.75	Absorptive Boom
	03/25/02				32.35	71.26	0.00	0.25	6.00	Absorptive Boom
	04/10/02				32.42	71.19	0.00	0.25	6.25	Absorptive Boom
	05/16/02				31.96	71.65	0.00	0.25	6.50	Absorptive Boom
	06/17/02				31.92	71.69	0.00	0.00	6.50	Absorptive Boom

TABLE 1

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well		Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-3	07/02/02				31.86	71.75	0.00	0.00	6.50	Absorptive Boom
(cont.)	09/10/02				31.45	72.16	0.00	0.00	6.50	Absorptive Boom
	10/08/02				31.52	72.09	0.00	0.50	7.00	Absorptive Boom
	11/08/02				31.48	72.13	0.00	0.00	7.00	Absorptive Boom
	01/28/03				31.27	72.34	0.00	0.00	7.00	Absorptive Boom
	04/02/03				31.27	72.34	0.00	0.00	7.00	Absorptive Boom
	05/10/03									
	06/26/03									
	07/08/03				31.97	71.64	0.00	0.00	7.00	Absorptive Boom
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03				22.0=	<b>5</b> 0 <b>5</b> 4				
	12/18/03		and the second		32.87	70.74	0.00	0.00	7.00	Absorptive Boom
	01/21/04 03/01/04				32.86	70.75	0.00	0.00	7.00	Absorptive Boom (Changed Out)
	05/06/04	- AA 137 1	그 소설 왕의는		<b>32.83</b> 31.19	70.78 72.42	0.00	0.00 0.00	7.00	Absorptive Boom
	05/21/04		1.大概的成。		30.92	72. <b>4</b> 2	0.00 <b>0.00</b>	0.00	7.00 <b>7.00</b>	Absorptive Boom Absorptive Boom
	06/03/04				30.82	72.79	0.00	0.00	7.00 7.00	Absorptive Boom
	06/18/04				30.73	72.88	0.00	0.00	7.00 7.00	Absortive Boom (Changed Out)
	07/12/04				30.66	72.95	0.00	0.00		Absortive Boom (Changed Out)
	07/23/04	THE THE PROPERTY OF	Daga - Ali Giria III.	. The State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the	30.73	72.88	0.00	0.00	7.00	Absorbtive Boom
	09/03/04			STEP STANKE	30.71	72.90	0.00	0.00	7.00	Absortive Boom (Changed Out)
	09/24/04			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	30.73	72.88	0.00	0.00	7.00	Absortive Boom
	09/30/04			, week 18 1906 TO	30.65	72.96	0.00	0.00	7.00	Absortive Boom (Changed Out)
	10/15/04		4 "		29.95	73.66	0.00	0.00	7.00	Absortive Boom
	11/09/04	-	1		29,46	74.15	0.00	0.00	7.00	Absortive Boom (Changed Out)
	11/19/04	ŧ			29,42	74.19	0.00	0.00	7.00	Absortive Boom
	12/07/04				29.15	74.46	0.00	0.00	7.00	Absortive Boom
	12/17/04				29.01	74.60	0.00	0.00	7.00	Absortive Boom (Changed Out)
MW-4	10/17/95	93.80	96.08		27.20	68.88	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-4	02/07/96				26.82	69.26	0.00		-	
(cont.)	04/03/96				26.88	69.20	0.00			
	06/12/96									
	06/20/96									
	06/27/96									
	07/05/96									
	07/18/96				27.54	68.54	0.00			
	08/01/96					1				
	10/02/96				28.06	68.02	0.00			
	10/09/97				28.94	67.14	0.00			
	11/08/97	93.80	96.08		Not Gauged					No PSH
	01/22/98				28.68	67.40	0.00			
	02/18/98				Not Gauged					
	04/02/98				28.52	67.56	0.00			
	05/05/98				28.51	67.57	0.00			
	07/07/98				29.05	67.03	0.00			
	10/02/98				29.42	66.66	0.00			
	01/14/99		:		29.05	67.03	0.00			
	04/15/99				28.85	67.23	0.00			
	07/13/99				27.93	68.15	0.00			
	08/11/99				28.40	67.68	0.00			
	09/22/99				27.61	68.47	0.00			
	10/28/99				28.18	67.90	0.00			
	11/23/99				28.20	67.88	0.00			
	12/17/99		1		28.29	67.79	0.00			
	01/13/00				28.36	67.72	0.00			
	02/15/00				28.43	67.65	0.00			
	03/31/00				28.46	67.62	0.00			
	04/27/00				28.35	67.73	0.00			
	05/31/00				28.65	67.43	0.00			
	06/30/00		<u> </u>		27.40	68.68	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Below Top of	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-4	07/13/00			<u> </u>	26.26	69.82	0.00	- *		
(cont.)	08/30/00				28.00	68.08	0.00			
	09/21/00				28.59	67.49	0.00			
	10/03/00				28.76	67.32	0.00			
	11/29/00				29.02	67.06	0.00			
	12/13/00				29.01	67.07	0.00			
	01/03/01				29.01	67.07	0.00			
	02/06/01	]	]		28.97	67.11	0.00			
	03/15/01				28.91	67.17	0.00			
	04/05/01				28.82	67.26	0.00			
Ì	05/03/01				28.87	67.21	0.00			
	06/02/01				29.12	66.96	0.00			
	07/10/01				29.22	66.86	0.00			
	10/02/01	1			28.60	67.48	0.00			
l	01/28/02				28.69	67.39	0.00			
ļ	02/25/02 03/25/02				28.67 28.52	67.41	0.00			
	03/25/02				28.52 28.02	67.56	0.00			
	05/16/02				27.95	68.06 68.13	0.00 0.00			
	06/17/02				28.05	68.03	0.00			
	07/02/02				27.63	68.45	0.00			
	09/10/02				27.03	68.80	0.00			
	10/08/02				27.62	68.46	0.00			
	11/08/02		ļ		27.02	69.06	0.00			
	01/28/03				27.56	68.52	0.00			
	04/02/03		]		27.68	68.40	0.00			
	05/10/03									
	06/26/03			<b>:</b>						
	07/08/03				28.18	67.90	0.00			
	08/20/03									
	09/30/03									

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-4	10/31/03									
(cont.)	11/12/03						0.00			
	12/18/03 <b>01/21/04</b>	NAME OF STATE	5.公约,其他的注册。 5.公约,其他的注册,是是		29.23	66.85	0.00 (透過度 阿尔尔克里尔河流)	5 5 7 15 su 50 km. na	Brazina <i>(191</i> 0) (1918). Brazina (1910) (1918)	
	03/01/04		s tomati		<b>美一种用的</b>		latin di ilit	神经为种种	<b>编排</b> 为 1	
	05/06/04	The Selection Self		要素4、1.1.01、1.8%1.1.多164多55		株別の新年 - 美国歌の変形があった。 	BANK SECTION NAMES OF BUILDINGS (1974)	ESPECIAL PORT		[10] · 李子等等数十二十二十四百份数数十四十二日中期整十四十字至三个八日
	05/21/04				<b>泰安姆等等</b>	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon				
	06/03/04				25.35	70,73	_∗ ∮ 0.00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	06/18/04				25.68	70.40		的社会的社会	という かい	
	07/12/04	的機關的實際關	台灣電子於個個科目信息	秦 吳 黎 美 宋 子 八	25.07	71.01	0.00	外等的知识的		
	07/23/04	randra arabakan	<b>MID-5799</b> \$75/\$8 (\$5189975) FN	ringer, but The model during	26.02	70.06	0.00	とと関係しまします。 とで関係しまします。	E TE SENSER SET	
	09/03/04 09/24/04		1		26.10 26.57	69.98 69.51	0.00 0.00			Absorptive Boom Absorptive Boom
	09/30/04				24.61	71.47	0.00			Absorptive Boom
	10/15/04			MONTH OF THE WEST OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	21.60	74,48	0.00			
	11/09/04		ring sagisar		23,30	72.78	0.00			
	11/19/04				22.79	73.29	0.00			Absorptive Boom
	12/07/04	1.5	1 2 12	e i	22.25	73.83	0.00	5	Paris a Kiringan	
	12/17/04	107.00	100.01	22.00	22.78	73.30	0.00			
MW-5	10/17/95 02/07/96	107.08	109.21	33.08	33.26 31.51	76.11 77.70	0.18			
	02/07/96				31.31	77.70 78.00	0.00 0.00			
	06/12/96				31.30	78.00 77.91	0.00			
	06/20/96				31.43	77.78	0.00		ļ	
	06/27/96				31.62	77.59	0.00			
	07/05/96				31.76	77.45	0.00			
	07/18/96				31.94	77.27	0.00			
	08/01/96				32.12	77.09	0.00			
	10/02/96				32.64	76.57	0.00		1	
	10/09/97	107.08	109.21		32.45	76.76	0.00		8.70	
<u> </u>	11/08/97	107.08	109.21					<u> </u>	8.70	

TABLE 1

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-5	01/22/98			32.68	32.81	76.52	0.13	1.00	9.70	Absorptive Boom
(cont.)	02/18/98				32.50	76.71	0.00	0.30	10.00	Sheen, Absorptive Boom
	04/02/98				32.24	76.97	0.00	0.10	10.10	Absorptive Boom
	05/05/98	1			32.19	77.02	0.00	0.10	10.20	Absorptive Boom
	07/07/98				33.10	76.11	0.00	0.25	10.45	Absorptive Boom
	10/02/98				33.57	75.64	0.00	0.25	10.70	Absorptive Boom
<b>\</b>	01/14/99				32.85	76.36	0.00	0.25	10.95	Absorptive Boom
	04/15/99				32.59	76.62	0.00	0.25	11.20	Absorptive Boom
	07/13/99				32.26	76.95	0.00		11.20	Absorptive Boom
	08/11/99				32.71	76.50	0.00	0.25	11.45	Absorptive Boom
	09/22/99				32.74	76.47	0.00		11.45	Absorptive Boom
	10/28/99				32.41	76.80	0.00	0.25	11.70	Absorptive Boom
l	11/23/99				32.40	76.81	0.00		11.70	Absorptive Boom
	12/17/99				32.39	76.82	0.00	0.25	11.95	Absorptive Boom
1	01/13/00				32.42	76.79	0.00		11.95	Absorptive Boom
	02/15/00				32.38	76.83	0.00	0.25	10.20	Absorptive Boom
1	03/31/00				32.37	76.84	0.00		11.95	Absorptive Boom
	04/27/00				32.27	76.94	0.00		11.95	PSH droplets present during purge
	05/31/00				32.80	76.41	0.00	0.25	12.20	Absorptive Boom
	06/30/00				32.96	76.25	0.00		12.20	Absorptive Boom
	07/13/00				32.57	76.64	0.00		12.20	Absorptive Boom
li .	08/30/00				33.04	76.17	0.00	0.25	12.45	Absorptive Boom
	09/21/00				33.40	75.81	0.00		12.45	Absorptive Boom
	10/03/00				33.50	75.71	0.00		12.45	Absorptive Boom
	11/29/00		Į į		33.15	76.06	0.00		12.45	Absorptive Boom
	12/13/00				33.06	76.15	0.00		12.45	Absorptive Boom
1	01/03/01	1	1		32.93	76.28	0.00		12.45	Absorptive Boom
	02/06/01				32.80	76.41	0.00		12.45	Absorptive Boom
	03/15/01				32.65	76.56	0.00		12.45	Absorptive Boom
	04/05/01				32.53	76.68	0.00		12.45	Absorptive Boom
	05/03/01	<u> </u>	<u>L</u>		32.60	76.61	0.00		12.45	Absorptive Boom

# RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-5	06/02/01	_			32.86	76.35	0.00		12.45	Absorptive Boom
(cont.)	07/10/01				33.20	76.01	0.00		12.45	Absorptive Boom
	10/02/01				33.20	76.01	0.00		12.45	Absorptive Boom
	01/28/02				32.95	76.26	0.00		12.45	Absorptive Boom
	02/25/02				32.39	76.82	0.00		12.45	Absorptive Boom
	03/25/02				32.38	76.83	0.00		12.45	Absorptive Boom
	04/10/02				32.27	76.94	0.00		12.45	Absorptive Boom
	05/16/02				32.00	77.21	0.00		12.45	Absorptive Boom
	06/17/02				32.09	77.12	0.00		12.45	Absorptive Boom
	07/02/02				32.02	77.19	0.00		12.45	Absorptive Boom
	09/10/02				31.91	77.30	0.00		12.45	Absorptive Boom
	10/08/02				32.11	77.10	0.00		12.45	Absorptive Boom
	11/08/02				32.00	77.21	0.00		12.45	Absorptive Boom
	01/28/03				31.75	77.46	0.00		12.45	Absorptive Boom
	04/02/03				31.57	77.64	0.00		12.45	Absorptive Boom
	05/10/03 06/26/03									·
	07/08/03				32.23	76.98	0.00		12.45	Absorptive Boom
	08/20/03									1
	09/30/03					-				
	10/31/03									
	11/12/03									
	12/18/03				33.11	76.10	0.00		12.45	Absorptive Boom
	01/21/04			7 E E					12.45	
	03/01/04								. 12.45	
	05/06/04								12.45	
	05/21/04							8/ PB	12,45	
	06/03/04	4-1-			31.56	77.65	0.00		12.45	Absorptive Boom
	06/18/04				31.53	77.68	0.00		AND THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Absorptive Boom
	07/12/04				31.51	777.70	0.00		12.45	Absorptive Boom
	07/23/04			-	31.44	77.77	0.00	S. S. S. S. S. S. S. S. S. S. S. S. S. S	12.45	Absorptive Boom

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well		Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-5	09/03/04				31.44	77.77	0.00	2.0	12.45	
(cont.)	<b>09/24/04</b> 09/30/04	<b>多《</b> 》(	(1) (数4)等数		31.48	77.73	0.00	養少	12.45	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	10/15/04	1 1 2 4 4 4 4 4 1	್ರಾಕ ಚಲಾಕಿಸಿ	Treffee (b)	31.33 <b>30.58</b>	77.88 78.63	0.00 0.00	· 원 ·	12.45 12.45	Absorptive Boom
	11/09/04		12 (14 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 ) (16 )	AMA DA	30.35	78.86	0.00		12.45	Absorptive Boom (changed out) Absorptive Boom
	11/19/04				30.30	78.91	0.00		12.45	Absorptive Boom
	12/07/04	意志 计一线割			30.00	79.21	0.00		12.45	Absorptive Boom
	12/17/04				29.95	79.26	0.00		12.45	Absorptive Boom
MW-6	10/17/95	103.66	106.26		32.07	74.19	0.00			
	02/07/96			29.87	31.15	76.26	1.28			
	04/03/96			29.78	31.15	76.34	1.37			
	06/12/96 06/20/96									
	06/20/96									
	07/05/96									
	07/18/96				30.51	75.75	0.00			
	08/01/96				00.01	, , , ,	5.00			
	10/02/96				31.80	74.46	0.00			
	10/09/97				31.15	75.11	0.00			
	11/08/97	103.66	106.26							No PSH
	01/22/98				31.28	74.98	0.00			
	02/18/98				31.11	75.15	0.00			
	04/02/98				31.00	75.26	0.00			
	05/05/98 07/07/98				30.95 31.65	75.31 74.61	0.00			
	10/02/98				31.65	74.61 74.26	0.00 0.00			
	01/14/99				31.52	74.26 74.74	0.00			
	04/15/99				31.30	74.96	0.00			
	07/13/99				30.53	75.73	0.00			
	08/11/99				31.05	75.21	0.00			
L	09/22/99				30.21	76.05	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Below Top of	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-6	10/28/99				30.63	75.63	0.00			
(cont.)	11/23/99				30.84	75.42	0.00			
	12/17/99				30.92	75.34	0.00			
	01/13/00				30.99	75.27	0.00	<u>'</u>		
	02/15/00				31.01	75.25	0.00			
	03/31/00				31.06	75.20	0.00			
	04/27/00				31.01	75.25	0.00			
	05/31/00				32.13	74.13	0.00			
	06/30/00				31.24	75.02	0.00			
	07/13/00				30.37	75.89	0.00			
	08/30/00				31.18	75.08	0.00			
	09/21/00				31.68	74.58	0.00			
ļļ	10/03/00				31.85	74.41	0.00			
l	11/29/00				31.68	74.58	0.00			
	12/13/00				31.62	74.64	0.00			
	01/03/01				31.58	74.68	0.00			
	02/06/01				31.52	74.74	0.00			
	03/15/01				31.45	74.81	0.00			
	04/05/01				31.30	74.96	0.00			
	05/03/01				31.38	74.88	0.00			
ļ.	06/02/01		l		31.63	74.63	0.00			
	07/10.01				31.94	74.32	0.00			
	10/02/01				31.41	74.85	0.00			
	01/28/02				31.22	75.04	0.00			
	02/25/02				31.84	74.42	0.00			
	03/25/02				31.13	75.13	0.00			
	04/10/02				30.79	75.47	0.00			
	05/16/02				30.66	75.60	0.00			
	06/17/02				30.57	75.69	0.00			
	07/02/02				30.70	75.56	0.00			
	09/10/02		<u></u>		30.12	76.14	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)		Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
	10/08/02				30.36	75.90	0.00			' '
	11/08/02				30.16	76.10	0.00			
	01/28/03				30.25	76.01	0.00			
	04/02/03				30.17	76.09	0.00	:		
	05/10/03									
	06/26/03				20.60	75.57	0.00			
	07/08/03 08/20/03				30.69	75.57	0.00			
1	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				31.70	74.56	0.00			
	01/21/04				ane F					
İ	03/01/04				Variety of the fire	-			1. 198	i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
	05/06/04		t in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of		14 Jan 14 Jan 14 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15 Jan 15	1 1. 25 asp			F ' .	<b>沙</b> 湾"
l l	05/21/04 06/03/04		N. Was	S.A.	29.91	≥76.35	0.00		ena a	
	06/18/04				29.94	76.32	9 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
	07/12/04			W 48	29.68	76.58	0.00 0.00			
ļ	07/23/04				29.74	76.52	0.00			
	09/03/04			TO THE RESERVE OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON O	29.78	76,48	0.00 0.00		1. 安安市 1. 一直	
	09/24/04		8 M 104		30.00	76.26				
Į.	09/30/04				29.39	76.87	0.00		5.27 **	
	10/15/04	100			29.55	76.71	0.00	<b>施</b> 拉基 电		
	11/09/04 11/19/04				28.51 28.44	77.75 77.82	0.00 0.00		<b>萨特森</b> (1)	
	12/07/04				28.44 27.75	78.51	0.00		1.66	
	12/17/04	* * * * * * * * * * * * * * * * * * * *			28.00	78.26	0.00	1	<b>†</b>	1
MW-7	10/17/95	104.34	106.27		32.20	74.07	0.00		1	
	02/07/96				30.50	75.77	0.00			
	04/03/96				30.40	75.87	0.00			<u></u>

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-7	06/12/96									
(cont.)	06/20/96							:		
	06/27/96									
	07/05/96									
	07/18/96				31.24	75.03	0.00			
ll .	08/01/96		ļ ļ							
	10/02/96		l		31.80	74.47	0.00			
	10/09/97	104.24			31.40	74.87	0.00			
l l	11/08/97 01/22/98	104.34	106.27		21.07	74.20	0.00			No PSH
	01/22/98				31.97 31.78	74.30 74.49	0.00 0.00			
	04/02/98				31.78	74.4 <del>9</del> 74.61	0.00			
	05/05/98		\ 		31.61	74.66	0.00			
	07/07/98				32.40	73.87	0.00			
	10/02/98				32.75	73.52	0.00			
	01/14/99				32.21	74.06	0.00			
	04/15/99				32.00	74.27	0.00			
	07/13/99				31.50	74.77	0.00			
1	08/11/99		Ì		31.95	74.32	0.00			
	09/22/99				31.85	74.42	0.00			
	10/28/99				31.55	74.72	0.00			
	11/23/99				31.62	74.65	0.00			
	12/17/99				31.67	74.60	0.00			
	01/13/00				31.69	74.58	0.00		1	
	02/15/00				31.70	74.57	0.00			
	03/31/00				31.74	74.53	0.00			
	04/27/00				31.69	74.58	0.00	i		
	05/31/00		ļ		32.13	74.14	0.00			
	06/30/00				32.25	74.02	0.00	:		
II .	07/13/00				31.69	74.58	0.00			
<u>L</u>	08/30/00				32.12	74.15	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-7	09/21/00				32.55	73.72	0.00			
(cont.)	10/03/00				32.69	73.58	0.00			
	11/29/00				32.47	73.80	0.00			
	12/13/00				32.35	73.92	0.00			
	01/03/01				32.30	73.97	0.00			
	02/06/01				32.21	74.06	0.00			
	03/15/01				32.11	74.16	0.00			
	04/05/01				32.00	74.27	0.00			
	05/03/01				32.08	74.19	0.00			
	06/02/01				32.32	73.95	0.00			
	07/10/01				32.72	73.55	0.00			
	10/02/01				32.53	73.74	0.00			
	01/28/02				31.92	74.35	0.00			
	02/25/02				31.16	75.11	0.00			
	03/25/02				31.82	74.45	0.00			
	04/10/02				31.66	74.61	0.00			
1	05/16/02				31.44	74.83	0.00			
i	06/17/02	1			31.45	74.82	0.00			
	07/02/02				31.40	74.87	0.00			
	09/10/02				31.04	75.23	0.00			
	10/08/02				31.22	75.05	0.00			
	11/08/02				31.16	75.11	0.00			
	01/28/03				30.99	75.28	0.00			
	04/02/03				30.88	75.39	0.00			
	05/10/03									
	06/26/03				21.40	74.70	0.00			
	07/08/03				31.48	74.79	0.00			
	08/20/03	1					Į			
	09/30/03									
	10/31/03						1			
	11/12/03								L	

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-7	12/18/03	No. of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of			32.43	73.84	0.00			
(cont.)	01/21/04									
	<b>03/01/04</b> 05/06/04	(c) 第二 <del>章 [</del> ] (编目 955 g	<b>医约为某个约克里里</b>	\$ <b>祖</b> 道连接;至八次副				翻翻測和水學體	<b>建于平型化物</b> 型。	
	05/21/04	RENIES NO.	等的第四人 <b>是</b> 处于	C-VM ESE				<b>第</b> 5個問題第155		   現立の機関館に使用事業組織で含むなどの難では基料機をは
	06/03/04				30:70	75.57	0.00			
	06/18/04				30.70	75.57	0.000		ない。	
	<b>07/12/04</b> 07/23/04			(* ) (* * ) (* )	30.62	75.65	0.00		Little Mark 1999	
	07/23/04 09/03/04	e no la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la constituidad de la const			30.62	75.65 <b>75.61</b>	0.00 <b>0.00</b>	<b>有關第</b> 137分為供用達		
	09/24/04				30.78	75. <b>4</b> 9	0.00			
	09/30/04			. Comment of the second	30.65	75.62	0.00	Bile (HP Week 1774	D.B. (1011) 1952 (E. 1961) 24	1965年の日後職権のことをリーニング・グルント   1986年   日本日本組織的な書の方の課題と
	10/15/04				29.35	76.92	0.00			
	11/09/04 11/19/04	e i de la face	405757	3t 3 7	29.42	1-76.85	0.00		e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	
	12/07/04	- <b>L</b> OHAL (	· 14.16-1-1-1		29.36 28.98	76.91 77.29	0.00 0.00			
	12/17/04	原記は、4/4 Yb - 6 1, 40 YB / 東 - 周			28.98	77.29	0.00	医凯特·姆特·塞金、腊	指字譯:2000字形2號至3個	日本でする。2個個とも、第二を25、例の近極期間構造を展開を展開を 1
MW-8	10/17/95	105.52	107.44	31.62	33.22	75.66	1.60	- 10		
	02/07/96									
	04/03/96 06/12/96			30.29	30.37 30.35	77.07 77.14	0.00 0.06			
ļ	06/20/96			30.29	30.53	77.14 76.81	0.06			
	06/27/96				30.77	76.67	0.00			
	07/05/96				31.70	75.74	0.00			
	07/18/96				30.85	76.59	0.00			
	08/01/96 10/02/96				31.13	76.31	0.00			
	10/02/96				31.40 32.34	76.04 75.10	0.00 0.00			
	11/08/97	105.52	107.44		32.34	75.10 75.28	0.00		34.67	Absorptive Boom
	01/22/98				31.56	75.88	0.00	1.00		Absorptive Boom
	02/18/98				32.68	74.76	0.00	0.10	35.77	Absorptive Boom

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-8	04/02/98		108.23		32.54	75.69	0.00	0.10	35.87	Absorptive Boom, Connected to SVE
(cont.)	05/05/98				32.49	75.74	0.00	0.10	35.97	Absorptive Boom
	07/07/98				33.37	74.86	0.00	0.10	36.07	Absorptive Boom
	10/02/98				32.75	75.48	0.00	0.10	36.17	Absorptive Boom
	01/14/99				32.21	76.02	0.00		36.17	Absorptive Boom
	04/15/99				32.00	76.23	0.00		36.17	SVE System Activated
	07/13/99				31.50	76.73	0.00		36.17	SVE System
	08/11/99				31.95	76.28	0.00		36.17	SVE System
	09/22/99				31.85	76.38	0.00		36.17	SVE System
	10/28/99				31.55	76.68	0.00		36.17	SVE System
	11/23/99			<u>-</u>	31.62	76.61	0.00		36.17	SVE System
	12/17/99				31.65	76.58	0.00		36.17	SVE System
	01/13/00				32.57	75.66	0.00		36.17	SVE System
	02/15/00				31.51	76.72	0.00		36.17	SVE System
	03/31/00				32.60	75.63	0.00		36.17	SVE System
	04/27/00				32.52	75.71	0.00		36.17	PSH droplets present during purge
	05/31/00				33.02	75.21	0.00		36.17	SVE System down repaired on June2
	06/30/00				33.10	75.13	0.00		36.17	SVE System down will repair
	07/13/00				32.58	75.65	0.00		36.17	SVE System repaired July 13
	08/30/00				33.10	75.13	0.00		36.17	SVE System
	09/21/00				33.50	74.73	0.00		36.17	SVE System
	10/03/00				33.63	74.60	0.00		36.17	SVE System
	11/29/00		1		33.07	75.16	0.00		36.17	SVE System
	12/13/00				33.22	75.01	0.00		36.17	SVE System
	01/03/01				33.18	75.05	0.00		36.17	SVE System
	02/06/01				33.05	75.18	0.00		36.17	SVE System
	03/15/01				32.91	75.32	0.00		36.17	SVE System
	04/05/01	İ			32.80	75.43	0.00		36.17	SVE System
	05/03/01				32.87	75.36	0.00		36.17	SVE System
	06/02/01				33.12	75.11	0.00		36.17	SVE System
	07/10/01				33.92	74.31	0.00		36.17	SVE System

# RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-8	10/02/01				33.92	74.31	0.00		36.17	SVE System
(cont.)	01/28/02				32.73	75.50	0.00		36.17	SVE System
	02/25/02				32.65	75.58	0.00		36.17	SVE System
	03/25/02				32.65	75.58	0.00		36.17	SVE System
	04/10/02				32.43	75.80	0.00		36.17	SVE System
	05/16/02				32.25	75.98	0.00		36.17	SVE System
	06/17/02			:	32.31	75.92	0.00		36.17	SVE System
	07/02/02				32.26	75.97	0.00		36.17	SVE System
	09/10/02				32.27	75.96	0.00		36.17	SVE System
	10/08/02				32.20	76.03	0.00		36.17	SVE System
	11/08/02				32.07	76.16	0.00		36.17	SVE System
	01/28/03				32.00	76.23	0.00		36.17	SVE System
	04/02/03				31.75	76.48	0.00		36.17	SVE System
	05/10/03									,
	06/26/03									
	07/08/03				32.45	75.78	0.00		36.17	SVE System
	08/20/03									
	09/30/03									
	10/31/03						;			
	11/12/03									
	12/18/03				33.36	74.87	0.00		36.17	SVE System
	01/21/04		earth T				43504	THE PARTY.		CALL TO AME TO THE STATE OF
	03/01/04									
	05/06/04				_ 131 11 11 11 11 11	BIT TO 10-34- 1220 THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE		pro- C. acceptante de la 1921	BE SOUTHER TRANSPORT IN	
	05/21/04								<b>第</b>	
	06/03/04				31.68	76.55	0.00		9.66	
	06/18/04				. 31.66	76.57	0.00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	07/12/04				31.56	76.67	0.00			
	07/23/04		Secondary Constitution (Sec. ) 19 and Const		31.55	76.68	0.00	his rain implement som 1/40(pet)	en en al esperimentor de proprietario	
	09/03/04				31.62	76.61	0.00			Carlo A Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carlo Carl
	09/24/04			201	31.84	76.39	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-8	09/30/04				31.57	76.66	0.00			
(cont.)	10/15/04	<b>新山林树</b> 人们		W	30.54	77.69	0.00	, C.I. J.E.		
	11/09/04				30.60	77.63	0.00	2 (1960) 2 (1981)		In the state of tables to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the
	11/19/04	war in the later	그는 사람들은 학자	्राप्ता । इति । १ - क्ष्मुं प्रस्तानक । ११ १ - स्ट्राह्मुक्ता कर्मा । १९ - १९	30.37	77.86	0.00	a di di	##	
	12/07/04			तः अङ्गिद्धारेणकर्ताः । सः १ ह्या १९५४	30.06	78.17	0.00	14 4		
	12/17/04				30.01	78.22	0.00			
MW-9	10/17/95	93.76	97.21		31.14	66.07	0.00			
	02/07/96				28.76	68.45	0.00			
	04/03/96				28.82	68.39	0.00			
	06/12/96									
	06/20/96									
	06/27/96	,								
	07/05/96				20.65	(5.5)	0.00			
	07/18/96 08/01/96	,			29.65	67.56	0.00			
	10/02/96				20.16	(7.05	0.00			
	10/02/90				30.16 30.19	67.05 67.02	0.00 0.00			
	11/08/97	93.76	97.21		30.19	07.02	0.00			No PSH
	01/22/98	93.70	97.21		30.78	66.43	0.00			NO PSH
	02/18/98				30.76	00.43	0.00		l	
	04/02/98				30.59	66.62	0.00		]	
	05/05/98				30.57	66.64	0.00			
	07/07/98				31.33	65.88	0.00			
	10/02/98				31.70	65.51	0.00			
	01/14/99				31.28	65.93	0.00			
	04/15/99				30.93	66.28	0.00			
	07/13/99				30.38	66.83	0.00			
	08/11/99				30.89	66.32	0.00			
	09/22/99				30.06	67.15	0.00			
	10/28/99		]		30.42	66.79	0.00			
	11/23/99				30.58	66.63	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-9	12/17/99				30.62	66.59	0.00			
(cont.)	01/13/00				30.64	66.57	0.00			
	02/15/00				30.69	66.43	0.00			
	03/31/00				30.75	66.46	0.00			
	04/27/00				30.66	66.55	0.00			
	05/31/00				31.06	66.15	0.00			
	06/30/00		1		27.43	69.78	0.00	·	1	
	07/13/00				27.33	69.88	0.00			
	08/30/00									Well damaged by EPI, not able to access
	09/21/00									Well damaged by EPI, not able to access
	10/03/00		i							Well damaged by EPI, not able to access
	11/29/00									Well damaged by EPI, not able to access
	12/13/00									Well damaged by EPI, not able to access
	01/03/01									Well damaged by EPI, not able to access
	02/06/01									Well damaged by EPI, not able to access
	03/15/01									Well damaged by EPI, not able to access
	04/05/01		96.16		30.29	65.87	0.00			Well replaced by EPI.
	05/03/01				30.37	65.79	0.00			
	06/02/01				30.61	65.55	0.00			
	07/10/01				30.86	65.30	0.00			
	10/02/01				30.29	65.87	0.00			
	01/28/02				30.21	65.95	0.00			
	02/25/02				30.20	65.96	0.00			
	03/25/02				30.10	66.06	0.00			
	04/10/02				29.70	66.46	0.00			
	05/16/02				29.51	66.65	0.00			
	06/17/02				29.65	66.51	0.00			
	07/02/02				29.36	66.80	0.00			
	09/10/02				28.83	67.33	0.00			
	10/08/02				29.13	67.03	0.00			
	11/08/02	_			28.65	67.51	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-9	01/28/03				28.96	67.20	0.00			
(cont.)	04/02/03				29.07	67.09	0.00			
	05/10/03									
	06/26/03				20.62		0.00			
}	07/08/03 08/20/03				29.63	66.53	0.00			
	08/20/03									
	10/31/03									
	11/12/03									
	12/18/03				30.71	65.45	0.00			
	01/21/04			7.4						
	03/01/04				07.01					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	05/06/04		150	on or a	27.31	68.85	0.00		_	
	05/21/04			er Special Blocks and	27.32	68.84	0.00			Market Control
	06/03/04	¥ . £		Marine a	27.52	68.64	0.00			
	06/18/04 07/12/04				27.62 27.58	68.54 68.58	0.00 0.00			
	07/23/04	if as sol	[[대기 기업으로 1991년		27.73	68.43	0.00			3
	09/03/04	1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		キャル 10家1タ・11/1 。 第44章 。	27.76	68.40	0.00			The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th
	09/24/04	11 (41) (11)			28.10	68.06	0.00			
	09/30/04			4 80 200 1 40	27.86	68.30	0.00	Ī		
	10/15/04			13.00 (13.00) (12.00)	25.19	70.97	0.00	524 i	7 177	
	11/09/04			34	25.52	70.64	0.00	翻 割		
	11/19/04				25.54	70.62	0.00		and the	
	12/08/04				25.16	71.00	0.00	Park to	i i	
MW-10	12/17/04 10/17/95	99.63	102.51		25.27 35.41	70.89 67.10	0.00			
141 44-10	02/07/96	77.03	102.51		34.41	68.10	0.00			
	04/03/96				34.43	68.08	0.00			
	06/12/96									
	06/20/96									

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well		Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-10	06/27/96									
(cont.)	07/05/96									
	07/18/96				35.22	67.29	0.00			
	08/01/96									
	10/02/96				34.79	67.72	0.00			
	10/09/97				34.72	67.79	0.00		•	
	11/08/97	99.63	102.51							No PSH
	01/22/98				36.46	66.05	0.00			
	02/18/98									
	04/02/98				36.25	66.26	0.00			
	05/05/98 07/07/98				36.27	66.24	0.00			
	10/02/98				35.89 37.40	66.62	0.00 0.00			
	01/14/99				37. <del>4</del> 0 37.04	65.11 65.47	0.00			
	04/15/99				36.76	65.75	0.00			
	07/13/99				36.28	66.23	0.00			
	08/11/99				36.70	65.81	0.00			
	09/22/99				36.86	65.65	0.00			
	10/28/99				36.35	66.16	0.00			
	11/23/99				36.39	66.12	0.00			
	12/17/99				36.42	66.09	0.00			
	01/13/00				36.42	66.09	0.00			
	02/15/00				36.44	66.07	0.00			
	03/31/00				36.47	66.04	0.00			
	04/27/00				36.42	66.09	0.00			PSH droplets present during purge
	05/31/00				36.90	65.61	0.00			
	06/30/00				36.51	66.00	0.00			
	07/13/00				35.40	67.11	0.00			1
	08/30/00				36.34	66.17	0.00			
	09/21/00				36.81	65.70	0.00			
	10/03/00	<u> </u>			36.96	65.55	0.00			1

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Below Top of	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-10	11/29/00			-	37.15	65.36	0.00			
(cont.)	12/13/00				37.04	65.47	0.00			
	01/03/01		[		37.08	65.43	0.00			
	02/06/01				36.98	65.53	0.00			
	03/15/01				36.90	65.61	0.00			
	04/05/01				36.83	65.68	0.00			
	05/03/01				36.90	65.61	0.00			
	06/02/01				37.14	65.37	0.00			
	07/10/01				37.44	65.07	0.00			
ļļ	10/02/01		[ [		37.05	65.46	0.00			
	01/28/02	İ			36.82	65.69	0.00			
	02/25/02				36.37	66.14	0.00			
	03/25/02				36.63	65.88	0.00			
	04/10/02				36.30	66.21	0.00			
	05/16/02				36.16	66.35	0.00			
	06/17/02				36.26	66.25	0.00			
	07/02/02				36.02	66.49	0.00			
	09/10/02				35.47	67.04	0.00			
	10/08/02				35.72	66.79	0.00			
	11/08/02				35.29	67.22	0.00			
	01/28/03				35.58	66.93	0.00			
	04/02/03				35.63	66.88	0.00			
	05/10/03									
	06/26/03	}	[				!			
	07/08/03				36.20	66.31	0.00			
	08/20/03		]							
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03		<u> </u>		37.29	65.22	0.00		nn an internation (A)	,
L	01/21/04		Jan San San San San San San San San San S	je i v		7, wi 1,74 (			# 1 2 3 1 X	

# RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well		Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-10 (cont.)	<b>03/01/04</b> 05/06/04					(1) (1) (1) (1)	<b>国际的</b>		數學數學方法學	金 网络野鼠 医二甲甲基甲甲基甲基甲甲基甲基甲甲基甲甲基甲甲基甲甲基甲甲基甲甲基甲甲基甲甲基甲甲
(conc.)	05/21/04 06/03/04 06/18/04 07/12/04				34.35 34.40 34.43 34.38	68.16 68.11 68.08 68.13	0.00 9.90 6.60 0.00			
	07/23/04 09/03/04 09/24/04 09/30/04				34.42 34.65 34.75 33.62	68.09 6 <b>7.86</b> 6 <b>7.76</b> 68.89	0.00 <b>0.00</b> <b>0.00</b> 0.00			
	10/15/04 11/09/04 11/19/04				32.40 32.71 32.51	70:11 69:80 70:00	0.00 0.00 0.00			
	1 <b>2/07/04</b> 12/17/04	<b>逐激 5</b> 0% 典数 300			<b>32.26</b> 32.32	<b>70.25</b> 70.19	<b>0.00</b> 0.00			
MW-11	10/17/95 02/07/96	104.48	105.62	32.33 31.66	32.48	73.28	0.15			
	02/07/90			31.40	32.31 32.13	73.90 74.15	0.65 0.73			
	06/12/96 06/20/96			31.76 31.91	32.07 31.96	73.83 73.71	0.31 0.05			
	06/27/96 07/05/96				31.78	73.84	0.00			
	07/03/96 07/18/96 08/01/96				32.12 32.12 32.37	73.50 73.50 73.25	0.00 0.00 0.00			
	10/02/96 10/09/97			32.47	33.14 32.47	73.08 73.15	0.67 0.00			
	11/08/97 01/22/98	104.48	105.62		32.47 32.18	73.15 73.44	0.00 0.00		17.49 17.49	Absorptive Boom Absorptive Boom
	02/18/98 04/02/98			32.79 32.71	32.99 33.48	72.81 72.83	0.20 0.77	1.00 2.00	18.49 20.49	Absorptive Boom Absorptive Boom/Hand Bail
	05/05/98			32.56	33.71	72.95	1.15	2.50	22.99	Absorptive Boom/Hand Bail

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-11	07/07/98		·	33.20	34.92	72.25	1.72	3.00	25.99	Absorptive Boom/Hand Bail
(cont.)	10/02/98			33.00	33.75	72.55	0.75	1.50	27.49	Absorptive Boom/Hand Bail
	01/14/99			33.40	33.69	72.19	0.29		27.49	
	04/15/99			32.85	33.53	72.70	0.68		27.49	
	07/13/99			32.43	34.20	73.01	1.77	3.00	30.49	Hand Bail
	08/11/99	:		32.73	34.89	72.67	2.16	3.50	33.99	Hand Bail
	09/22/99			32.85	33.77	72.68	0.92	0.50	34.49	Absorptive Boom/Hand Bail
	10/28/99			32.78	33.27	72.79	0.49	0.25	34.74	Absorptive Boom/Hand Bail
	11/23/99			32.60	33.53	72.93	0.93	1.00	35.74	Absorptive Boom/Hand Bail
	12/17/99			32.70	33.26	72.86	0.56	1.00	36.74	Absorptive Boom/Hand Bail
	01/13/00			32.70	33.26	72.86	0.56	0.25	36.99	Absorptive Boom/Hand Bail
	02/15/00			32.73	33.55	72.81	0.82	0.50	37.49	Absorptive Boom/Hand Bail
	03/31/00			32.84	33.73	72.69	0.89	0.50	37.99	Absorptive Boom/Hand Bail
	04/27/00			32.52	33.35	73.02	0.83	0.50	38.49	Absorptive Boom/Hand Bail
	05/31/00			33.12	34.33	72.38	1.21	1.00	39.49	Absorptive Boom/Hand Bail
	06/30/00			33.51	33.81	72.08	0.30	0.25	39.74	Absorptive Boom/Hand Bail
	07/13/00				33.24	72.38	0.00	0.25	39.99	Absorptive Boom
	08/30/00	!			33.43	72.19	0.00	0.25	40.24	Absorptive Boom
	09/21/00				33.75	71.87	0.00	0.25	40.49	Absorptive Boom
	10/03/00				33.73	71.89	0.00	0.00	40.49	Absorptive Boom
	11/29/00				33.55	72.07	0.00	0.25	40.74	Absorptive Boom
	12/13/00				33.30	72.32	0.00	0.00	40.74	Absorptive Boom
	01/03/01				33.28	72.34	0.00	0.00	40.74	Absorptive Boom
	02/06/01				33.26	72.36	0.00	0.25	40.99	Absorptive Boom
	03/15/01				33.20	72.42	0.00	0.25	41.24	Absorptive Boom
	04/05/01				33.10	72.52	0.00	0.25	41.49	Absorptive Boom
	05/03/01				33.17	72.45	0.00	0.25	41.74	Absorptive Boom
	06/02/01				33.40	72.22	0.00	0.25	41.99	Absorptive Boom
	07/10/01			33.94	34.08	71.67	0.14	0.25	41.99	Absorptive Boom
	10/02/01			33.93	33.94	71.69	0.01	0.25	42.24	Absorptive Boom
	01/28/02			33.10	33.13	72.52	0.03	0.25	42.24	Absorptive Boom

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-11	02/25/02				32.97	72.65	0.00	0.25	42.49	Absorptive Boom
(cont.)	03/25/02				32.94	72.68	0.00	0.25	42.49	Absorptive Boom
	04/10/02				32.83	72.79	0.00	0.25	42.74	Absorptive Boom
	05/16/02			32.69	32.75	72.92	0.06	0.25	42.74	Absorptive Boom
	06/17/02			32.71	32.95	72.89	0.24	0.25	42.99	Absorptive Boom
	07/02/02			32.61	32.72	73.00	0.11	0.25	42.99	Absorptive Boom
	09/10/02			33.12	33.22	72.49	0.10	0.00	42.99	Absorptive Boom
	10/08/02			33.09	33.38	72.50	0.29	0.50	43.49	Skimmer
	11/08/02			33.45	33.61	72.15	0.16	0.50	43.49	
	01/28/03			32.67	32.76	72.94	0.09	0.50	43.99	
	04/02/03				32.13	73.49	0.00	0.00	43.99	
	05/10/03				32.21	73.41	0.00	0.50	44.49	Absorptive Boom
	06/26/03				32.41	73.21	0.00	0.50	44.99	Absorptive Boom
	07/08/03		,		32.75	72.87	0.00	0.25	45.24	Absorptive Boom
	08/20/03				32.77	72.85	0.00	0.25	45.49	Absorptive Boom
	09/30/03									
	10/31/03				32.88	72.74	0.00	0.25	45.74	Absorptive Boom
	11/12/03									
	12/17/03				33.98	71.64	0.00	0.25	45.99	Absorptive Boom
	01/21/04		100		34.02	71.60	0.00	0.00	45.99	Absorptive Boom (Changed Out)
	03/01/04				33.45	72.17	0.00	0.00	45.99	Absorptive Boom
	05/06/04				31.88	73.74	0.00	0.00	45.99	Absorptive Boom
	05/21/04		1	2.5	31:88	73.74	0.00	0.00	45.99	Absorptive Boom
	06/03/04			4 1	31.70	73.92	0.00	0.00	45.99	Absorptive Boom
	06/18/04				31.54	74.08	0.00	0.00	45.99	Absorptive Boom
	07/12/04		3.1	4440	31.48	74.14	0.00	0.00	45.99	Absorptive Boom (Changed Out)
	07/23/04			The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	31.57	74.05	0.00	0.00	45.99	Absorptive Boom
	09/03/04	14		127	.⇒ 31.56	74.66	0.00	0.00	45.99	Absorptive Boom (Changed Out)
	09/24/04				31.60	.74.02	0.00	0.00		Absorptive Boom
	09/30/04			- In this section with the region of	31.46	74.16	0.00	0.00	45.99	Absorptive Boom (Changed Out)
	10/15/04				30.80	74:82	0.00	0.00	to the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the	Absorptive Boom

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-11	11/09/04			1	30.40	75.22	0.00	0.00	45,99	Absorptive Boom (Changed Out)
(cont.)	11/19/04				30.33	75.29	0.00	0.00	45.99	Absorptive Boom
	12/07/04		自動 医电影		30.07	75.55	0.00	0.00	45,99	
	12/17/04	N. G. J.	102.00		29.94	75.68	0.00	0.00	45.99	Absorptive Boom (Changed Out)
MW-12	10/17/95	Not Surveyed	103.90		32.41	71.49	0.00			
	02/07/96				31.00 30.91	72.90 72.99	0.00 0.00			
	04/03/96 06/12/96				30.91	12.99	0.00			
	06/20/96									
	06/27/96									
	07/05/96				! !	! !				
	07/18/96				31.70	72.20	0.00			
	08/01/96									
	10/02/96				32.20	71.70	0.00			
	10/09/97				32.29	71.61	0.00			
	11/08/97	Not Surveyed	103.90							No PSH
	01/22/98				32.62	71.28	0.00			
	02/18/98				32.48	71.42	0.00			
	04/02/98				32.25	71.65	0.00			
	05/05/98				32.42	71.48	0.00			
	07/07/98				33.33	70.57	0.00			
	10/02/98				33.34	70.56	0.00			
	01/14/99	[			32.68	71.22	0.00			
	04/15/99				32.42	71.48	0.00			
	07/13/99				32.29	71.61	0.00			
	08/11/99				32.62	71.28	0.00			
	09/22/99				32.50	71.40	0.00			
	10/28/99				32.06 32.04	71.84 71.86	0.00 0.00			
	11/23/99									
	12/17/99 01/13/00				30.05 32.03	73.85 71.87	0.00 0.00		<u> </u>	

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-12	02/15/00				32.05	71.85	0.00			- · · · · · · · · · · · · · · · · · · ·
(cont.)	03/31/00				32.06	71.84	0.00			
	04/27/00				32.02	71.88	0.00			
	05/31/00				32.66	71.24	0.00			
	06/30/00				32.66	71.24	0.00			
	07/13/00				32.16	71.74	0.00			
	08/30/00		1		32.48	71.42	0.00			
	09/21/00				32.85	71.05	0.00			
	10/03/00				32.95	70.95	0.00			
	11/29/00				32.74	71.16	0.00			
	12/13/00				32.63	71.27	0.00			
ı	01/03/01				32.56	71.34	0.00			
	02/06/01				32.48	71.42	0.00			
	03/15/01				32.38	71.52	0.00			
	04/05/01				32.27	71.63	0.00			
	05/03/01				32.33	71.57	0.00			
	06/02/01				32.55	71.35	0.00			
	07/10/01				33.11	70.79	0.00			
	10/02/01				32.99	70.91	0.00			
	01/28/02				32.24	71.66	0.00			
	02/25/02				32.17	71.73	0.00			
	03/25/02				32.14	71.76	0.00			
	04/10/02				32.01	71.89	0.00			
	05/16/02				32.09	71.81	0.00			
	06/17/02				32.01	71.89	0.00			
	07/02/02				31.94	71.96	0.00			
	09/10/02				31.48	72.42	0.00			
	10/08/02				31.60	72.30	0.00			
	11/08/02				31.52	72.38	0.00			
	01/28/03				31.27	72.63	0.00			
	04/02/03				31.25	72.65	0.00			

# RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-12 (cont.)	05/10/03 06/26/03 07/08/03 08/20/03 09/30/03 10/31/03 11/12/03				31.97	71.93	0.00			
	12/18/03				32.81	71.09	0.00			
	01/21/04 03/01/04	1968/13 U.S. 1967/13 U.S.								
	03/01/04	1 1 11 EV 1			30.94	72.96	0.00		(	
	05/21/04		1 15 H 1 1		30.95	72.95	0.00	2 de -		
	06/03/04	1843 1843 1844 1845 1844 1845 1844 1844 1844 1844			30.84	73.06	0.00			
	06/18/04 07/12/04				30.81 30.71	73.09 73.19	0.00			), in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second
	07/23/04		m . igi		30.71	73.19	<b>0.00</b> 0.00			+ 1910 to 41
	09/03/04		1.39.5		30.68	73.22	0.00	्र अपूर्ण संस्था संस्था	면, <b>강희</b> , 193	1 - 17 - 18 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	09/24/04				30.71	73.19	0.00			
	09/30/04 10/15/04	Werstyle Private (	S. PRINTER	   新聞名   選出	30.60 <b>29.90</b>	73.30 <b>74.00</b>	0.00 <b>0.00</b>	100		Section 1. December 1. December 1.
	11/09/04		A N		29.53	74.00 74.37	0.00	CIDA PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PARTICIPATION OF THE PART		
	11/19/04				29.41	74.49	0.00	Washington and the second		
	12/07/04				29.09	74.81	0.00			
MW-13	12/17/04 10/17/95	Not Surveyed	103.89		28.97 32.61	74.93 71.28	0.00			
	02/07/96	110t But veyeu	105.07		28.75	75.14	0.00			
	04/03/96				28.61	75.28	0.00			
	06/12/96									
	06/20/96 06/27/96									
	07/05/96									

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-13	07/18/96				29.69	74.20	0.00			
(cont.)	08/01/96									
	10/02/96				31.21	72.68	0.00			
	10/09/97		1		30.61	73.28	0.00			
	11/08/97	Not Surveyed	103.89							No PSH
	01/22/98		:		30.25	73.64	0.00			
	02/18/98				30.11	73.78	0.00			
	04/02/98				29.99	73.90	0.00		!	
	05/05/98				29.99	73.90	0.00			
	07/07/98				30.99	72.90	0.00			
	10/02/98				31.27	72.62	0.00			
	01/14/99				30.60	73.29	0.00			
	04/15/99				30.35	73.54	0.00			
	07/13/99				30.21	73.68	0.00			
	08/11/99				30.58	73.31	0.00			
	09/22/99				30.37	73.52	0.00			
	10/28/99		1		30.10	73.79	0.00			
	11/23/99				30.06	73.83	0.00			
	12/17/99				28.58	75.31	0.00			
	01/13/00				30.05	73.84	0.00			
	02/15/00				30.03	73.86	0.00			
	03/31/00		Į į		30.06	73.83	0.00			İ
	04/27/00				30.02	73.87	0.00			
	05/31/00				30.66	73.23	0.00			
	06/30/00				30.76	73.13	0.00			
	07/13/00				30.33	73.56	0.00			
	08/30/00				30.80	73.09	0.00			
	09/21/00				31.14	72.75	0.00			
	10/03/00				31.23	72.66	0.00			
	11/29/00		ļ		30.81	73.08	0.00			
	12/13/00				30.79	73.10	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Below Top of	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-13	01/03/01				30.63	73.26	0.00			
(cont.)	02/06/01				30.52	73.37	0.00			
	03/15/01				30.41	73.48	0.00			
ii I	04/05/01				30.30	73.59	0.00			
	05/03/01				30.37	73.52	0.00			
	06/02/01				30.61	73.28	0.00			
	07/10/01				31.30	72.59	0.00			
	10/02/01		1		31.05	72.84	0.00			
	01/28/02				30.30	73.59	0.00		•	
	02/25/02				30.21	73.68	0.00			
	03/25/02				30.17	73.72	0.00			
	04/10/02				30.01	73.88	0.00			
	05/16/02				29.83	74.06	0.00			
	06/17/02				29.90	73.99	0.00			
	07/02/02				29.89	74.00	0.00			
	09/10/02				29.69	74.20	0.00			
	10/08/02				29.83	74.06	0.00	ľ	1	
i	11/08/02				29.65	74.24	0.00			
	01/28/03				29.41	74.48	0.00			
	04/02/03				29.30	74.59	0.00			
	05/10/03									
	06/26/03									
	07/08/03		ļ		30.13	73.76	0.00			
	08/20/03		]							
	09/30/03		]							
	10/31/03									
	11/12/03									
	12/18/03		[		30.88	73.01	0.00			
	01/21/04	[.			- 10 m					
	03/01/04		15.00	4 T 1	£					
L	05/06/04				29.27	74.62	0.00			

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-13 (cont.)	05/21/04 06/03/04 06/18/04 07/12/04 07/23/04 09/03/04 09/24/04 09/30/04 10/15/04 11/19/04 12/07/04				29.09 29.08 29.10 29.12 29.17 29.19 29.27 29.13 28.46 28.14 27.44	74.80 74.81 74.79 74.77 74.72 74.70 74.62 74.76 75.43 75.75 76.45	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0			
	12/17/04	ながいふんに 多 ほいいかん物は脂肪酸	於量。不得到這個是影響		27.60	76.29	0.00		<b>(46)</b> 不可能的 (40)	
RW-1	10/17/95 02/07/96 04/03/96 06/12/96 06/20/96 06/27/96 07/05/96	Not Surveyed	106.40	27.36	27.37	79.03	0.01			
	07/03/96 07/18/96 08/01/96 10/02/96 10/09/97 11/08/97 01/22/98 02/18/98 04/02/98 05/05/98 07/07/98 10/02/98	Not Surveyed	106.40	31.54 31.85	28.25 28.47 27.37 27.37 30.87 30.78 30.68 31.82 32.01	78.15 77.93 79.03 79.03 75.53 75.62 75.72 74.83 74.53	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.28 0.16			SVE System SVE System SVE System

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-1	01/14/99			31.18	31.20	75.22	0.02			
(cont.)	04/15/99			31.05	31.07	75.35	0.02			SVE System Activated
	07/13/99				30.16	76.24	0.00			SVE System
	08/11/99				31.09	75.31	0.00			SVE System
	09/22/99				29.73	76.67	0.00			SVE System
	10/28/99				30.69	75.71	0.00			SVE System
	11/23/99				30.72	75.68	0.00			SVE System
	12/17/99				28.58	77.82	0.00			SVE System
	01/13/00				30.80	75.60	0.00			SVE System
	02/15/00				28.03	78.37	0.00			SVE System
	03/31/00		ļ		30.82	75.58	0.00			SVE System
	04/27/00				30.74	75.66	0.00			SVE System
	05/31/00				31.22	75.18	0.00			SVE System down/Repaired on June 2
	06/30/00		i		31.30	75.10	0.00			SVE System down will repair
	07/13/00				30.79	75.61	0.00			SVE System repaired July 13
	08/30/00				30.69	75.71	0.00			SVE System
	09/21/00				31.72	74.68	0.00			SVE System
	10/03/00				31.85	74.55	0.00			SVE System
	11/29/00				32.09	74.31	0.00			SVE System
	12/13/00				32.22	74.18	0.00			SVE System
	01/03/01				31.40	75.00	0.00			SVE System
	02/06/01				31.42	74.98	0.00			SVE System
	03/15/01				31.24	75.16	0.00			SVE System
	04/05/01				31.00	75.40	0.00			SVE System
	05/03/01				31.09	75.31	0.00			SVE System
	06/02/01				31.33	75.07	0.00		1	SVE System
	07/10/01				32.00	74.40	0.00			SVE System
	10/02/01		]		31.94	74.46	0.00			SVE System
	01/28/02				30.96	75.44	0.00			SVE System
	02/25/02				30.89	75.51	0.00			SVE System
	03/25/02				30.90	75.50	0.00		L	SVE System

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-1	04/10/02			<del></del>	30.68	75.72	0.00			SVE System
(cont.)	05/16/02				30.49	75.91	0.00			SVE System
	06/17/02				30.56	75.84	0.00			SVE System
	07/02/02				30.51	75.89	0.00			SVE System
	09/10/02				30.65	75.75	0.00			SVE System
	10/08/02				30.43	75.97	0.00			SVE System
	11/08/02				30.31	76.09	0.00			SVE System
	01/28/03				30.16	76.24	0.00			SVE System
	04/02/03				30.00	76.40	0.00			SVE System
	05/10/03									
	06/26/03									
	07/08/03				30.69	75.71	0.00			SVE System
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03		iliya dadirilika dara sarakila a sarira saraki	ionare proportera de 1861 de	31.68	74.72	0.00	FE was efficiely on their consultations with	Professional Communication (Co. 1984)	SVE System
	01/21/04 03/01/04									
	05/06/04		Annual Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of 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	05/21/04			a, 1721 iii iii ii	· · · · · · · · · · · · · · · · · · ·		### W	<b>第</b> 多	ren en	
	06/03/04				29.40	77.00	0.00			
	06/18/04				29.38	77.02	0.00	14		
	07/12/04		6.		29.28	77.12	₹ 0.00	74. <b>F</b>		
	07/23/04				29.29	77.11	0.00			
	09/03/04	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	en electrica		29.32	77.08	0.00	20.94		
	09/27/04				29.47	76.93	0.00		47	· 在一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
	09/30/04		<u>[</u>		29.22	77.18	0.00			The second second is a second of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second
	10/15/04				28.20	78.20	0:00			Absorptive Boom
	11/09/04				28:15	78.25	0.00			Absorptive Boom (changed out)
	11/19/04		et virgini, et al.		28.05	78.35	0.00		4.2	

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-1	12/07/04	- 1 3 M M	数 主主要 青	4. 化维霉素	27.81	78.59	0.00			Absorptive Boom
(cont.)	12/17/04				27.79	78.61	0.00			
RW-2	10/17/95	Not Surveyed	106.65					_		· · · · · · · · · · · · · · · · · · ·
	02/07/96									
	04/03/96			28.75	28.93	77.88	0.18			
	06/12/96									
	06/20/96									
	06/27/96				ļ	Į				
	07/05/96			20.66	20.01	77.00	0.15			
	07/18/96			29.66	29.81	76.98	0.15		<u> </u>	
	08/01/96 10/02/96			29.60	30.14 29.80	76.51 77.03	0.00 0.20			
	10/02/96			29.60	29.80	77.03	0.20			
	11/08/97	Not Surveyed	106.65	29.00	29.80	17.03	0.20			SVE System
	01/22/98	1 Not Surveyed	100.05	29.60	29.80	77.03	0.20			SVE System
	02/18/98			25.00	30.12	76.53	0.00			SVE System
	04/02/98			30.02	30.11	76.62	0.09			S   2 5   5   5   5   5   5   5   5   5
	05/05/98	Į		30.08	30.11	76.57	0.03			
	07/07/98			30.85	31.10	75.78	0.25			
	10/02/98	1		31.49	31.52	75.16	0.03			
	01/14/99			30.62	30.75	76.02	0.13			
	04/15/99	1		30.34	30.55	76.29	0.21		\ \	SVE System Activated
	07/13/99				29.70	76.95	0.00			SVE System
	08/11/99			28.54	28.55	78.11	0.01			SVE System
	09/22/99			30.47	30.48	76.18	0.01			SVE System
	10/28/99			30.10	30.11	76.55	0.01			SVE System
	11/23/99				28.82	77.83	0.00			SVE System
	12/17/99	<b>(</b>			30.10	76.55	0.00		ļ	SVE System
	01/13/00				23.72	82.93	0.00			SVE System
	02/15/00				30.09	76.56	0.00			SVE System
	03/31/00				30.12	76.53	0.00			SVE System

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-2	04/27/00			30.03	30.04	76.62	0.01			SVE System
(cont.)	05/31/00			30.50	30.51	76.15	0.01			SVE System down/Repaired on June 2
	06/30/00	]	]	30.41	30.50	76.23	0.09			SVE Sytsem down placed boom in well
	07/13/00				30.42	76.23	0.00			SVE System repaired July 13
	08/30/00				31.31	75.34	0.00			SVE Systerm
	09/21/00			31.09	31.11	75.56	0.02			SVE System
	10/03/00			31.23	31.25	75.42	0.02			SVE System
ľ	11/29/00			30.93	30.98	75.72	0.05			SVE System
	12/13/00				31.03	75.62	0.00			SVE System
	01/03/01	1		31.04	31.09	75.61	0.05			SVE System
	02/06/01	ĺ			30.55	76.10	0.00			SVE System
	03/15/01	[	[		30.41	76.24	0.00		Į	SVE System
	04/05/01				30.30	76.35	0.00			SVE System
	05/03/01				30.38	76.27	0.00		J	SVE System
	06/02/01				30.62	76.03	0.00			SVE System
	07/10/01			31.99	32.00	74.66	0.01			SVE System
	10/02/01		]	31.02	31.10	75.62	0.08			SVE System
	01/28/02			30.23	30.25	76.42	0.02			SVE System
	02/25/02				33.48	73.17	0.00			SVE System
	03/25/02				33.17	73.48	0.00			SVE System
	04/10/02				29.99	76.66	0.00			SVE System
ll .	05/16/02	ļ	Į l		32.97	73.68	0.00			SVE System
	06/17/02				29.80	76.85	0.00			SVE System
	07/02/02				29.75	76.90	0.00			SVE System
	09/10/02		]		29.60	77.05	0.00			SVE System
	10/08/02				29.73	76.92	0.00			SVE System
	11/08/02				29.64	77.01	0.00			SVE System
	01/28/03				29.51	77.14	0.00			SVE System
	04/02/03				29.34	77.31	0.00			SVE System
	05/10/03	[								
	06/26/03	<u> </u>			<u> </u>					

## RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

#### PLAINS ALL AMERICAN PIPELINE, L.P. LEA STATION LEA COUNTY, NEW MEXICO

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-2	07/08/03				29.94	76.71	0.00			SVE System
(cont.)	08/20/03									
	09/30/03 10/31/03									
	11/12/03									
	12/18/03				30.90	75.75	0.00			SVE System
ł	01/21/04					1.5		T		
	03/01/04						10年第二日	2 × 45 ft - 1		
	05/06/04 05/21/04		¥				l 44 - Life autolii		Ús. na	TO DO A DO DE TO DE
 	06/03/04				29.25	77.40	0.00	en.	(3, 96.) . 12. . 13.	
1	06/18/04	S &m . 1			29.20	77.45	0.00			
	07/12/04			<b>₽</b> * •	29.14	77.51	0.00			
	07/23/04	Nowe Service 1	a . A		29.13	77.52	0.00	it malajo		1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1
	09/03/04 09/24/04				29.08 29.30	77.57 77.3 <b>5</b>	0.00 0.00			
	09/30/04	1 · · · · · · · · · · · · · · · · · · ·	1.	A VEL HEALTHE	28.36	78.29	0.00			
	10/15/04		বিবাহি হাওপুৰ বিবাহ		27.85	78.80	0.00		Maria de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Servición de la Se	
	11/09/04				27.97	78.68	0.00			
	11/19/04 12/07/01				27.91 27.40	78.74 79.25	0.00 0.00	VE THE MANAGE		
	12/07/01	30,000	Maria	[1867] T. Witchen D.	28.53	79.23 78.12	0.00		r e e	Absorbtive boom

^{*} Measured from a relative datum (benckmark = 100 feet).

Note 1: Total recovery:

259.91

gallons by manual means.

**Note 2**: The SVE System blower failed on 3/12/98. The system was reactivated on 4/15/99.

^{**} Correction Equation for Phase-Separated Hydrocarbons: Corrected Groundwater Elevation = Top of Casing Elevation - [Depth to Water Below Top of Casing - (SG)(PSH Thickness)]. Specific Gravity (SG) = 0.9 for crude oil.

#### GROUNDWATER ANALYTICAL RESULTS (BTEX & TPH)

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH					
MW-1	10/17/95				ed due to the P	resence of Phas	se-Separated H	ydrocarbons						
	02/07/96			Not Sampl	ed due to the P	resence of Phas	se-Separated H	ydrocarbons						
i	04/03/96					Not Sampled								
	07/18/96					Not Sampled								
	10/02/96	0.29	< 0.003	0.12	< 0.003	0.41								
	10/09/97					Not Sampled								
	01/22/98					Not Sampled								
	05/05/98					Not Sampled								
	07/08/98					Not Sampled								
	10/02/98					Not Sampled								
	01/14/99 04/15/99					Not Sampled								
	04/13/99					Not Sampled Not Sampled								
	04/28/00					Not Sampled								
	10/06/00		Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled Not Sampled											
	01/03/01													
	04/05/01													
	07/10/01													
	10/03/01													
	01/28/02													
1	04/10/02					Not Sampled								
	07/02/02					Not Sampled								
	10/08/02					Not Sampled								
	01/29/03	0.284	1	T 0.0004	0.0400	Not Sampled	1	,	r					
	04/02/03	0.372	ND -	0.0981	0.0403	0.5104	<u> </u>	l	1					
	07/08/03 12/18/03	0.403	ND	0.076	0.020	Not Sampled 0.499	I	1	1					
	05/06/04	0.263	£0.001	0.070	0.020		1:05 *	14.7	15.75					
	07/23/04			Not Sample			e-Separated H	drocarbons	4949					
	09/30/04	0.122	₹0.001	0.018	0.009	0.148	<0.5		1.39					
	12/17/04	0:097	<0.001	0.011	0.012			SE PREDICES CARRONS AND AND AND AND AND AND AND AND AND AND						
MW-2	10/17/95			Not Sample	ed due to the Pi	resence of Phas	e-Separated Hy							
	02/07/96			Not Sample	ed due to the Pi	resence of Phas	e-Separated Hy	drocarbons						
	04/03/96						e-Separated Hy							
	07/18/96						e-Separated Hy							
	10/02/96			Not Sample	ed due to the Pi		e-Separated Hy	ydrocarbons						
	10/09/97					Not Sampled								
	01/22/98 05/05/98					Not Sampled								
	03/03/98					Not Sampled								
	10/02/98					Not Sampled								
	01/14/99					Not Sampled								
	04/15/99	Not Sampled												
	01/13/00					Not Sampled								
	04/28/00					Not Sampled								
	10/06/00					Not Sampled								
	01/03/01					Not Sampled								
	04/05/01					Not Sampled								
	07/10/01					Not Sampled			······································					
	10/03/01			~		Not Sampled	a							
	01/28/02						e-Separated Hy							
	04/10/02			Not Sample	ea aue to the Pi	resence of Phas	e-Separated Hy	yarocarbons						

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-2	07/02/02			Not Sampl	ed due to the P	resence of Phas	e-Separated Hy	drocarbons	
(cont.)	10/08/02					resence of Phas			
(,	01/29/03					resence of Phas			
ļ	04/02/03					resence of Phas			,
	07/08/03					resence of Phas			
	12/18/03		<del></del>			resence of Phas			
	05/06/04	April 10 and the same				resence of Phas			Fig. 1 - Booker
	07/23/04					resence of Phas			-
	09/30/04	0.638	0.065	0.379	0.841		20.5	70.7	91.2
	12/17/04	0.482	0.022	0.442	0.779	1172	4.	Charles and the second	
MW-3	02/16/93	2.500	0.010	0.370	0.640	3.520			
	10/17/95	2.000	ND	0.120	0.120	2.240			
	10/02/96	1.900	ND	0.320	ND	2.220			
	04/10/97	1.000	ND	0.290	ND	1.290			
	10/09/97	1.500	ND	0.280	0.028	1.808			
	05/05/98	1.200	ND	0.130	0.012	1.342			
	04/15/99			Not Sample	ed due to the Pr	resence of Phase	e-Separated Hy	drocarbons	
	04/28/00	2.800	ND	0.190	ND	2.990			
	04/10/02	1.470	0.006	0.341	0.399	2.220			
	01/29/03	NS	NS	NS	NS	NS			
	04/02/03	1.540	ND	0.213	0.0815	1.835			
	07/08/03					Not Sampled			
	12/18/03	0.959	ND	0.039	0.0072	1.01			
	05/06/04	0.803	<0.001	0.132	0.047	0.982	2.71	7,51	10.22
	07/23/04	<b>经第二人工</b>	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			resence of Phas			
	09/30/04	1.45	0.003	0.176	0.0761	1:71 - 1:50	3.41	<0.5	3.41
	× 12/17/04	<0.001	<0.001	<0,001	<0.003	<0.006	<b>李沙克</b> 斯	\$60 S	<u> </u>
MW-4	02/16/93	ND	ND	ND	ND	ND			
	10/17/95	ND	ND	ND	ND	ND			
	02/07/96	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/96	ND	ND	ND	ND	ND			
	07/18/96	ND	ND	ND	ND	ND			
	10/02/96	ND	ND	ND	ND	ND	NID	NID	NID
	01/22/97	ND	ND	ND ND	ND	ND ND	ND	ND	ND
	04/10/97	ND	ND ND	ND ND	ND ND	ND ND			
	07/16/97 10/09/97	ND ND	ND ND	ND ND	ND ND	ND ND			
	01/22/98	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND
	05/05/98	ND	ND	ND ND	ND	ND ND	110	110	110
	07/08/98	ND ND	ND ND	ND ND	ND ND	ND ND			
	10/02/98	ND ND	ND	ND	ND	ND ND			
	01/14/99	ND	ND	ND	ND	ND ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			
	07/13/99	ND	ND	ND	ND	ND			
	10/13/99	ND	ND	ND	ND	ND			
	01/13/00	ND	ND	ND	ND	ND	ND	ND	ND
	04/29/00	ND	ND	ND	ND	ND			
	07/12/00	ND	ND	ND	ND	ND			
	10/03/00	ND	ND	ND	ND	ND			
	01/03/01	ND	ND	ND	ND	ND	ND	ND	ND
	04/05/01	0.006	ND	ND	ND	0.006			

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-4	07/10/01	ND	ND	ND	ND	ND			
(cont.)	10/02/01	ND	ND	ND	ND	ND			
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND	ND	ND			
	07/02/02	ND	ND	ND	ND	ND			
	10/08/02	ND	ND	ND	ND	ND			
	01/29/03	ND	ND	ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND			
	07/08/03	ND	ND	ND	ND	ND			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04					Not Sampled			
	07/23/04	<0.001	<0.001	<0.001	<0.003	<0.006	0.629	2.41	3.04
	09/30/04		2 · 14 · 14		74 T	Not Sämpled			A A COLUMN
	12/17/04		to report	Transfer of the second	ar en	Net Sampled			
MW-5	02/16/93	ND	ND	0.002	0.004	0.006			
	10/17/95			Not Sample	ed due to the Pr	esence of Phase	e-Separated Hy	/drocarbons	
	02/07/96					esence of Phase			
	04/03/96					esence of Phase			
	07/18/96					esence of Phas	e-Separated Hy	/drocarbons	
	10/02/96	0.002	ND	0.010	0.006	0.018			
	01/22/97					esence of Phas	e-Separated Hy	drocarbons	
	04/10/97	0.001	ND	0.012	0.005	0.018			
	07/16/97	0.001	ND	0.010	0.011	0.022			
	10/09/97	0.001	ND	0.006	0.001	0.008	0 . 177	Ĺ,,	
	01/22/98	0.002	NID	~~		esence of Phase	e-Separated Hy	drocarbons	
	05/05/98 07/08/98	0.002 ND	ND ND	0.010 0.003	0.008	0.020 0.005			
	10/02/98	ND	ND ND	0.003	0.002	0.005			
	01/14/99	ND ND	ND ND	0.002 ND	0.003 ND	0.003 ND	ND	ND	ND
	04/15/99	ND	ND	0.007	0.004	0.011	ND	ND	ND
	07/13/99	ND	ND	0.010	0.015	0.025			
	10/13/99	ND	ND	0.005	0.002	0.007			
	01/13/00	ND	ND	0.002	ND	0.002	0.002	0.001	ND
	04/28/00	ND	ND	0.003	ND	0.003		0.001	
	07/12/00	ND	ND	ND	ND	ND			
	10/06/00	ND	ND	ND	ND	ND			
	01/03/01	ND	ND	ND	ND	ND	ND	ND	ND
	04/05/01	ND	ND	ND	ND	ND			
	07/10/01	ND	ND	ND	ND	ND			
	10/02/01	ND	ND	ND	ND	ND		<u> </u>	
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND	ND	ND			
	07/02/02	ND	ND	ND	ND	ND			
	10/08/02	ND	ND	ND	ND	ND			
	01/29/03	0.0067	ND	ND	ND ND	0.0067	ND	ND	ND
	04/02/03	ND ND	ND	ND	ND 0.0488	ND 0.0488			
	07/08/03	ND	ND ND	ND ND	0.0488	0.0488			
-	12/18/03	ND	ND	ND	ND	ND			
	05/06/04 = 07/23/04		e begeven de de L'Algorithme e			Mot Sampled	and the property of the second		14.0
	13/723/134 CM	CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY 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Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-5 (cont.)	12/17/04			# B186		Not Sampled	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Tallet State Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of the Communication of
MW-6	02/16/93	0.002	0.001	ND	0.091	0.094			
	10/17/95	ND	0.002	0.021	0.021	0.044			
	02/07/96	ND	ND	0.002	0.009	0.011	ND	ND	ND
	04/03/96	ND	ND	0.004	0.004	0.008			
	07/18/96	ND	0.003	ND	ND	0.003		<b>.</b>	ļ
	10/02/96	ND	ND	ND	ND	ND		<u> </u>	
	01/22/97	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/97	ND	ND	ND	ND	ND		ļ	
	07/16/97	0.001	0.001	0.001	ND 0.006	0.003			
	10/09/97	ND	0.002	0.005	0.006	0.013	0.004	0.000	0.006
	01/22/98	0.007	ND	ND	ND_	0.007	0.004	0.002	0.006
	05/05/98	0.001	ND	0.001	0.010	0.012		<del> </del>	
	07/08/98	ND	ND	ND	ND	ND		<del> </del>	
	10/02/98	ND	ND ND	ND	ND ND	ND	NID	NID	NID
	01/14/99	ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND_
	04/15/99 07/13/99	ND ND	ND ND	0.008	0.005	0.013			
	10/13/99	ND ND	ND ND	0.008	0.003	0.013	<del></del>	-	<del> </del>
	01/13/99	ND ND	ND	0.004	ND	0.002	0.002	ND	ND
	04/28/00	ND	ND	0.002	ND ND	0.002	0.002	TND .	ND
	07/12/00	0.001	0.001	0.002	0.003	0.002		<b>-</b>	
	10/06/00	ND	ND	ND	ND	ND			
	01/03/01	ND	ND	ND	ND	ND	0.017	ND	ND
	04/04/01	0.007	ND	0.013	0.033	0.053		1	
	07/10/01	ND	ND	ND	ND	ND			<del>                                     </del>
	10/02/01	ND	ND	ND	ND	ND			
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	0.001	ND	0.003	0.003	0.008			
	07/02/02	ND	ND	ND	ND	ND			
	10/08/02	ND	ND	0.002	ND	0.002			
	01/29/03	ND	ND	ND	ND	ND	ND	ND	ND
	04/02/03	0.0014	ND	0.0012	0.0012	0.0038			
	07/08/03	ND	ND	0.0010	0.0040	0.0050			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04		A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A 100 A			Not Sampled	Control of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the s	1960 I	70
	07/23/04	Mary Adding to	charge against an implicit of the	got the same same	Aller to the	Not Sampled	April 1996 Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Co	er er er er er er er er er er er er er e	
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	12/17/04		THE PARTY OF	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	14 1 149 14 1 1/60	Not Sampled			W
MW-7	02/16/93	ND	ND	ND	ND	ND			
	10/17/95	ND	ND	ND	ND	ND			
	02/07/96	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/96	ND	ND	ND	ND	ND			
	07/18/96	ND	ND	ND	ND	ND			
	10/02/96	ND	ND	ND	ND	ND			
	01/22/97	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/97	ND	ND	ND	ND	ND			
	07/16/97	ND	ND	ND	ND	ND			
	10/09/97	ND	ND	ND	ND	ND	<u> </u>	1	
	01/22/98	ND	ND	ND	ND	ND	ND	ND	ND

### TABLE 2

### GROUNDWATER ANALYTICAL RESULTS (BTEX & TPH)

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-7	05/05/98	ND	ND	ND	ND	ND			
(cont.)	07/08/98	ND	ND	ND	ND	ND			
	10/02/98	ND	ND	ND	ND	ND			
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			
	07/13/99	ND	ND	ND	ND	ND			
	10/13/99	ND	ND	ND	ND	ND			
	01/13/00	ND	ND	ND	ND	ND	ND	ND	ND
	04/29/00	ND	ND	ND	ND	ND			
	07/12/00	ND	ND	ND	0.006	0.006			
	10/06/00	ND	ND	ND	0.004	0.004		) ID	
	01/03/01	ND 0.006	ND 0.012	ND 0.012	ND 0.034	ND 0.005	ND	ND	ND
	04/05/01 07/10/01	0.006 ND	0.012 ND	0.013 ND	0.034 ND	0.065	<u> </u>		
	10/02/01	ND ND	ND ND	ND ND	ND ND	ND ND			
	01/28/02	ND	ND ND	ND	ND	ND ND	ND	ND	ND
	04/10/02	ND	ND ND	ND	ND ND	ND	ND	ND	ND
	07/02/02	ND	ND	ND	ND	ND			
	10/08/02	ND	ND	ND	ND	ND			
	01/29/03	ND	ND	ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND	112	112	110
	07/08/03	ND	ND .	ND	ND	ND			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04	This could	F. A. C.	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		Not Sampled			
	07/23/04					Not Sampled		O. a. i	Seran Fi
	09/30/04		tidei 🔻		1,70	Not Sampled			
	12/17/04	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		And Carried The	) as the				
MW-8	09/30/93				ed due to the Pr		and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and t		
	10/17/95				ed due to the Pr		<del></del>		
	02/07/96			Not Sampl	ed due to the Pr	resence of Phas	e-Separated Hy	drocarbons	
	04/03/96			Not Sampl	ed due to the Pr	resence of Phas	e-Separated Hy	drocarbons	
	07/18/96			Not Sampl	ed due to the Pr	esence of Phas	e-Separated Hy	drocarbons	
	10/02/96	0.003	0.007	0.082	0.052	0.144			
	01/22/97				ed due to the Pr			drocarbons	
	04/10/97	ND	0.001		0.016				
	05/05/98	ND	ND	0.002	0.004	0.006			
	04/15/99	0.002	ND	ND	0.001	0.003			
	04/28/00	ND	ND	ND	ND	ND			
	04/05/01	ND ND	ND ND	ND	ND	ND			
	04/10/02 01/29/03	ND	ND	ND	ND	Not Sampled			
	04/02/03	ND	ND	ND	ND	Not Sampled ND			
	07/08/03	ND	ND ND	ND	ND	Not Sampled		l	
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04	MINUS.		TVD				4	
	07/23/04	paragraphic			Section 1	Not Samuled			
	09/30/04		(81)	Marie Company	5-01 <b>-2</b> 5	Not Sampled			
		Company of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the Parket of the P	a constant of the second	PART AND AND AND AND AND AND AND AND AND AND		Not Sampled			
		and contributed our line on the	The late the second state of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of the late of t	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon					
MW-9	12/17/04 09/30/93	ND							I II KIND BIBLAND AND AND A
MW-9	12/17/04	ND ND	ND ND	ND ND	ND ND	ND ND			

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MVV-9	04/03/96	ND	ND	ND	ND	ND			
(cont.)	07/18/96	ND	ND	ND	0.003	0.003			
	10/02/96	ND	ND	ND	ND	ND			
	01/22/97	ND	ND	ND	ND	ND	ND	ND	ND
l	04/10/97	ND	ND	ND	ND	ND			
	07/16/97	ND	ND	ND	ND	ND			
	10/09/97	ND	ND	ND	ND	ND			
	01/22/98	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/98	ND	ND	ND	ND	ND			
	07/08/98	ND	ND	ND	ND	ND			
	10/02/98	ND	ND	ND	ND	ND			
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			
	07/13/99	ND	ND	ND	ND	ND			
	10/13/99	ND	ND	ND	ND	ND 0.004	\TD		
	01/13/00	0.002	0.002	ND	ND	0.004	ND	ND	ND
	04/28/00	0.008	0.003	ND	ND	0.011			
	07/12/00	ND ND	ND	ND	ND	ND			
	04/05/01 07/10/01	ND ND	ND ND	ND ND	ND ND	ND ND			
	10/02/01	ND ND	ND ND	ND ND	ND ND	ND			
	01/28/02	ND	ND	ND ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND ND	ND	ND	ND	ND	ND
	07/02/02	ND	ND	ND	ND	ND			
	10/08/02	ND ND	ND	ND	ND	ND			
	01/29/03	ND	ND	ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND			
	07/08/03	ND	ND	ND	ND	ND			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04	<0.001	< 0.001	<0.001	< 0.003	< 0.006	<0.05	0.526	0.526
	07/23/04	41. TESTS	33.8			Not Sampled		v s	
	09/30/04		The first of the light	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	71.70	Not Sampled	and the second		
	12/17/04			· · · · · · · · · · · · · · · · · · ·	4,	Not Sampled			
MW-10	09/30/93	ND	ND	0.009	0.001	0.010			
	10/17/95	ND	0.003	ND	ND	0.003			
	02/07/96	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/96	0.001	ND	ND	0.002	0.003		-	
	07/18/96	ND	0.002	ND	ND	0.002			
	10/02/96	ND	ND	ND	0.007	0.007			
	01/22/97	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/97	ND_	0.001	ND	ND	0.001			
	07/16/97	0.002	ND	ND	0.005	0.007			_
	10/09/97	ND	ND	ND	ND ND	ND	NE	0.001	177
	01/22/98	ND	ND ND	ND ND	ND 0.003	ND 0.005	ND	0.001	ND
	05/05/98	0.002	ND	ND ND	0.003	0.005			
	07/08/98	ND	ND	ND ND	ND 0.003	ND 0.003		<del>                                     </del>	
	10/02/98 01/14/99	ND ND	ND ND	ND ND	0.003 ND	0.003 ND	ND	ND	ND
	1 01/14/99 [	ND	ND ND	ND ND	ND 0.009	0.010	ND	עאו	עאו
		Ո ՈՈՈ I				1	1		
	04/15/99	0.001	ND ND	ND ND					
		0.001 ND ND	ND ND ND	ND ND ND	ND ND	ND ND			

### TABLE 2

### GROUNDWATER ANALYTICAL RESULTS (BTEX & TPH)

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-10	04/28/00	ND	ND	ND	ND	ND			
(cont.)	07/12/00	ND	0.005	ND	0.020	0.025		· · · · · · · · · · · · · · · · · · ·	
(	10/06/00	ND	ND	ND	ND	ND			
	01/03/01	ND	ND	ND	ND	ND	ND	ND	ND
	04/05/01	ND	0.006	ND	ND	0.006			
	07/10/01	ND	ND	ND	ND	ND			
	10/02/01	0.010	ND	ND	ND	ND	-		
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND	ND	ND			
	07/02/02	ND	ND	ND	ND	ND			
	10/08/02	ND	ND	ND	ND	ND			
	01/29/03	ND	ND	ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND			
	07/08/03	ND	ND	ND	ND	ND			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04	<0.001	<0.001	<0:001	< 0.003		<0.05	1.47	1.47
	07/23/04	a cale volugia				Not Sampled	adiyonindi il		
	09/30/04 12/17/04		78 - 46 1	Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Compan		Not Sampled Not Sampled	all property.		
MW-11	09/30/93			Not Sampl	ed due to the Pr	esence of Phase	e-Separated Hy	drocarbons	
	10/17/95			Not Sample	ed due to the Pr	esence of Phas	e-Separated Hy	drocarbons	
	02/07/96			Not Sample	ed due to the Pr	esence of Phase	e-Separated Hy	drocarbons	
	04/03/96			Not Sample	ed due to the Pr	esence of Phas	e-Separated Hy	drocarbons	
•	07/18/96			Not Sample	ed due to the Pr	esence of Phase	e-Separated Hy	drocarbons	
	10/02/96			Not Sample	ed due to the Pr	esence of Phase	e-Separated Hy	drocarbons	
	01/22/97				ed due to the Pr				
	04/10/97				ed due to the Pr				
	05/05/98				ed due to the Pr				
	04/15/99				ed due to the Pr				
	04/28/00	2 100			ed due to the Pr		e-Separated Hy	drocarbons	
	04/05/01	2.180	ND	0.596	0.268	3.04			
	04/10/02	2.890	0.193	0.968	0.538	4.59			
	07/02/02				ed due to the Pr				
	10/08/02				ed due to the Pr				
1	01/29/03 04/02/03	2.150	0.171	1.010	ed due to the Pr	4.18	e-Separated Hy	drocarbons	
	04/02/03	2.150	0.171	1.010	0.840	Not Sampled			
	12/18/03					Not Sampled			
		2.250	0.006		0.001	3.62	12 W 11 10 12 1	. 192 c	91.5
								drocarpina	
	09/30/04	1.97	0.004	1.02	0.231	Burka 14	731	331	
		1.75	0.004		0.168	2.63	, de		
MW-12	02/10/95	0.590	0.009	0.043	0.067	0.709		24274 3 240 25 240 300 300	MINISTER CAUSE ALTEC
	07/19/95	0.580	0.130	0.076	0.032	0.709	-		
	10/17/95	1.400	0.440	0.300	0.163	2.303			
	10/02/96	0.680	0.180	0.280	0.100	1.240			
	04/10/97	0.840	0.250	0.230	0.075	1.395			
	10/09/97	0.780	0.230	0.100	0.047	1.157			
	05/05/98	0.930	0.370	0.390	0.130	1.820			
	04/15/99	0.770	0.070	0.280	0.058	1.178			
	04/28/00	0.240	0.019	0.120	0.011	0.390			

### TABLE 2

### GROUNDWATER ANALYTICAL RESULTS (BTEX & TPH)

### PLAINS ALL AMERICAN PIPELINE, L.P. LEA STATION LEA COUNTY, NEW MEXICO

Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	TPH as Gasoline	TPH as Diesel	Total TPH
MW-12	04/05/01	0.195	ND	0.022	ND	0.218			
(cont.)	04/10/02	0.301	ND	0.164	ND	0.465			
	01/29/03					Not Sampled			
	04/02/03	0.290	ND	0.121	0.0037	0.4147			
	07/03/03					Not Sampled			
	12/18/03					Not Sampled			
	05/06/04	0.053	<0.001	0.068	< 0.003	0.121	< 0.05	1.21	1.21
	07/23/04	0.107	<0.001	0.044	0.0024	0.153	0.754	<0.5	0.754
	09/30/40	0.067	<0.001	0.067	< 0.003	0.134	<0.5	<0.5	<1.0
	12/17/04	0.012	< 0.001	0.009	< 0.003	0,021	i fireku erile Kalif Lutusku	1 (1)	
MW-13	02/10/95	ND	ND	ND	ND	ND			
	07/19/95	ND	ND	ND	ND	ND			
	10/17/95	ND	ND	ND	ND	ND			
	10/02/96	ND	ND	ND	ND	ND			
	04/10/97	ND	ND	ND	ND	ND			
	10/09/97	ND	ND	ND	ND	ND			
	05/05/98	ND	ND	ND	ND	ND			
	04/15/99	ND	ND	ND	ND	ND			
	04/28/00	ND	ND	ND	ND	ND			
	04/05/01	0.009	ND	ND	ND .	0.009			
	04/10/02	ND	ND	ND	ND	ND			
	01/29/03	•				Not Sampled			
	04/02/03	ND	ND	ND	ND	ND			
	07/08/03					Not Sampled			
	12/18/03				'	Not Sampled			
	05/06/04	<0.001	<0.001	<0.001	<0.003	<0.006	<0.05	0.698	0.698
	07/23/04	33 P. See .	1 180 6 C - 1 - 1	y with the state		Not Sampled	Land Company	trade.	
	09/30/04	自己建设多数100	g i ji kate i A tarapag iya	16.54		Not Sampled			
	12/17/04					Not Sampled	//		
RW-1	01/29/03					Not Sampled			
	04/02/03					Not Sampled			
	07/08/03					Not Sampled			
	12/18/03	ND	ND	ND	ND	ND			
	05/06/04			4 - 42 Million (1) - 24 - 25 (1)		Not Sampled		markan a way	1389 V - 1
	07/23/04		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Not Sampled	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	- 4,7% - 1	Section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sectio
	09/30/04		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	A Louis Service - Insign Liberton		Not Sampled			The Arrival or 1977
	12/17/04	*** **** * **** **********************	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Property of Property of States	and the state of	Not Sampled			menting of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the sta
_	Groundwater dards	0.01	0.75	0.75	0.62				

mg/L = milligrams per liter

ND = None Detected

If the cell is blank, then that analysis was not performed.

TABLE 3

### CONCENTRATIONS OF SEMI-VOLATILES IN GROUNDWATER

Monitor Well	Date Sampled	Acenaphthene (ug/L)	Acenaphthylene (ug/L)	Anthracene (ug/L)	Benzo(a)anthracene (ug/L)	Benzo(a)pyrene (ug/L)	Benzo(b)fluoranthene (ug/L)	Benzo(g,h,i)perylene (ug/L)	Benzo(j,k)fluoranthene (ug/L)	Chrysene (ug/L)	Dibenz(a,h)anthracene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indenol(1,2,3-cd)pyrene (ug/L)	1-Methylnapthlene (ug/L)	2-Methylnapthlene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (ug/L)
MW-1	17-Dec-04	0.288	0.18	<0.05	<0.05	<0.05	<0.05	<0.05 □	<0.05	10.115	<0.05	0.061	144	<0.05	NA	NA.	0.844	1,45	0.099
MW-2		7.77	<0.5	<0.5	<0.5		1,07	<0,5	0.928	6.03	<0.5	2.76	27.1	<0.5	NA -	NA		43.9	
MW-3	17-Dec-04	0.143	0.054	0.771	0.737		(H))	<0.05	0.094	0.613	< 0.05	0.176	0.393	<0.05	NA .	* NA	<b>9.102</b>	0.757	0.172
MW-4	07-Feb-96					ND							ND		ND	ND	ND		
	22-Jan-97					ND							ND		ND	ND	ND		
Į.	22-Jan-98					ND							ND		ND	ND	ND		
	14-Jan-99					ND							ND		ND	ND	ND		
	13-Jan-00					ND							ND		ND	ND	ND		
	03-Jan-01					ND							ND		ND	ND	ND		
	28-Jan-02					ND							ND		ND	ND	ND		
	29-Jan-03					ND							ND		ND	ND	ND		
	30-Sep-04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	NA *		<0.05	<0.05
MW-5	14-Jan-99					ND							ND		ND	ND	ND		
	13-Jan-00					ND							ND		2.0	1.0	ND		
1	03-Jan-01					ND							ND		ND	ND	ND		
	28-Jan-02					ND							ND		ND	ND	ND		
	29-Jan-03					ND							ND		_ND	ND	ND		
MW-6	07-Feb-96					ND							ND		ND	ND	ND		
	22-Jan-97			ļ <u></u>		ND							ND		ND	ND	ND		
	22-Jan-98				ļ	ND							ND		4.0	2.0	6.0		
1	14-Jan-99				<u> </u>	ND	.,						ND		ND	ND	ND		
1	13-Jan-00				ļ	ND ND						<u> </u>	ND		2.0	ND	ND		L
1	03-Jan-01					ND ND							ND	<u> </u>	17.0	ND	ND		<b></b>
	28-Jan-02			ļ		ND ND							ND		ND	ND	ND		<u> </u>
1	29-Jan-03				<b> </b>								6.1		ND	ND	ND		<u> </u>
MW-7	07-Feb-96				ļ	ND ND							ND		ND	ND	ND		ļ
I	22-Jan-97 22-Jan-98			-	<b> </b>	ND ND					ļ		ND ND		ND	ND	ND		<u> </u>
					<del>  </del>	ND ND	<u> </u>						ND ND		ND	1.0	ND		<b> </b>
	14-Jan-99			<b></b>		ND ND									ND	ND	ND		<b> </b>
	13-Jan-00 03-Jan-01			<del> </del>	<b> </b>	ND ND		ļ					ND		ND	ND	ND	ļ	<b></b>
	28-Jan-02		<u> </u>	<del> </del>	<del> </del>	ND ND			L				ND ND	<b></b>	ND ND	ND ND	ND ND		<b> </b>
		i l	•		. 1	1711		•	1				I (NII)		NI)	NID	NID		

TABLE 3

### CONCENTRATIONS OF SEMI-VOLATILES IN GROUNDWATER

### PLAINS ALL AMERICAN PIPELINE, L.P. LEA STATION LEA COUNTY, NEW MEXICO

Monitor Well	Date Sampled	Acenaphthene (ug/L)	Acenaphthylene (ug/L)	Anthracene (ugL)	Benzo(a)anthracene (ugL)	Benzo(a)pyrene (ugL)	Benzo(b)fluoranthene (ug/L)	Benzo(g,h,i)perylene (ug/L)	Benzo(j,k)fluoranthene (ug/L)	Chrysene (ug/L)	Dibenz(a,h)anthracene (ug/L)	Fluoranthene (ug/L)	Fluorene (ug/L)	Indenol(1,2,3-cd)pyrene (ug/L)	1-Methylnapthlene (ug/L)	2-Methylnapthlene (ug/L)	Naphthalene (ug/L)	Phenanthrene (ug/L)	Pyrene (ug/L)
MW-7 (cont.)	29-Jan-03					ND							ND		ND	ND	ND		
MW-9	07-Feb-96					ND							ND		ND	ND	ND		
	22-Jan-97					ND					,		ND		ND	ND	ND		
	22-Jan-98					ND							ND		ND	ND	ND		
	14-Jan-99					ND	•						ND		ND	ND	ND		
	13-Jan-00					ND							ND		ND	ND	ND		
	03-Jan-01					ND							ND		ND	ND	ND		
	28-Jan-02					ND							ND		ND	ND	ND		
	29-Jan-03 23-Jul-04					ND							ND		ND	ND	ND		
	23-Jul-04	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
MW-10	07-Feb-96					ND							ND			ND	ND		
	22-Jan-97					ND							ND			ND	ND		
	22-Jan-98					ND							ND			1.0	ND		
	14-Jan-99					ND							ND			ND	ND		
l	13-Jan-00				-	ND							ND			ND	ND		
	03-Jan-01					ND	-						ND			ND	ND		
	28-Jan-02					ND							ND			ND	ND		
	29-Jan-03					ND							ND			ND	ND		
	30-Sep-04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
MW-11	17-Dec-04	0.254	0.251	<0.05	<0.05	0.106	0.051	<0.05	<0.05	0.28	<0.05	0.121	1.89	<0.05	NA	NA	3.44	2.32	0.182
MW - 12	23-Jul-04	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	₹ <0.05	0.378	<0.05	NA	NA	<0.05	0.09	<0.05
MW - 13	23-Jul-04	<0.05	< 0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	<0.05	<0.05	< 0.05	<0.05	< 0.05	<0.05	NA	NA	<0.05	< 0.05	<0.05
New Mexico	Water Quality																		
	Groundwater					0.7										30	-		

ND = Not Detected

NA = Not Analyzed

**TABLE 4** 

### SUMMARY OF GROUNDWATER SAMPLING RECOMMENDATIONS

Monitoring	Eight Quarters Below		Sampling	Schedule		
Well	NMOCD Standards	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Notes
RW-1						Recommend Sealing Well
RW-2						Recommend Sealing Well
MW-1	No	X	X	X	X	Recommend Annual PAH analysis
MW-2	No	X	X	X	X	Recommend Annual PAH analysis
MW-3	No	X	X	X	X	Recommend Annual PAH analysis
MW-4	Yes			X		
MW-5	Yes					Recommend Sealing Well
MW-6	Yes					Recommend Sealing Well
MW-7	Yes			X		
MW-8	Yes			X		
MW-9	Yes			X		
MW-10	Yes			X		
MW-11	No	X	X	X	X	Recommend Annual PAH analysis
MW-12	No	X	X	X	X	Recommend Annual PAH analysis
MW-13	Yes			X		

**APPENDIX** 

# APPENDIX A LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORM



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

Client: Environmental Plus, Inc.

Attn: Iain Olness
Address: 2100 Ave. O

Eunice,

NM 88231

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

FAX: (505) 394-2601

Report#/Lab ID#: 155630

Report Date: 05/28/04

**Project ID:** 2003-00339

Sample Name: LELS05604MW1

Sample Matrix: water

### REPORT OF ANALYSIS

### QUALITY ASSURANCE DATA 1

REPORT OF ANALISIS							QUALITY F	MOSURA	INCE DA	<u> </u>	
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)	14.7	mg/L	0.5	0.72	05/25/04	8015 mod.		9	84.4	84.4	91.8
TPH by GC (as diesel-ext)					05/20/04	3510					
TPH by GC (as gasoline)	1.05	mg/L	0.5	<0.5	05/25/04	8015 mod.		3.7	98.3	104.7	107.9
Volatile organics-8260b/BTEX					05/19/04	8260b(5030/5035)					
Benzene	263	μg/L	10	<10	05/18/04	8260b		2.1	96.4	96.4	96.4
Ethylbenzene	50.1	μg/L	1	<1	05/19/04	8260b		1.2	111.1	111.9	122.2
m,p-Xylenes	12.2	μg/L	2	<2	05/19/04	8260b		0.2	114.8	112.5	123.6
o-Xylene	<1	μg/L	1	<1	05/19/04	8260b	J	0.4	115.4	113.8	127.2
Toluene	<1	μg/L	1	<1	05/19/04	8260b		2.3	121.2	102.1	128.7

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.



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

(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.

**Project ID:** 2003-00339

Iain Olness

Attn:

Sample Name: LELS05604MW1

Report#/Lab ID#: 155630 Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	78.4	42-122	
p-Terphenyl	8015 mod.	131	39-125	X
1,2-Dichloroethane-d4	8260b	102	74-124	
Toluene-d8	8260b	98.6	89-115	

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

Report #/Lab ID#: 155630 Matrix: water

Client: Environmental Plus, Inc.

Attn: Jain Olness

Project ID: 2003-00339

Sample Name: LELS05604MW1

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  $\leq 6^{\circ}$ 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 TCEO-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 OC data:

Parameter	Qualif	Comment
o-Xylene	J	See J-flag discussion above.
p-Terphenyl p-Terphenyl	X X	Surrogate recovery outside advisory/acceptance limits. Typically, for samples with TPH/1005 hits, high recoveries are due to co-elution of hydrocarbons from the sample at the same retention time as the surrogate
Notos		

TIULES.	

OULS MICHEUPORS DITTE, TRUSHIN, IA 10177 SE

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Iain Olness Attn:

Address: 2100 Ave. O

Funice.

NM 88231

(505) 394-3481 Phone:

FAX: (505) 394-2601

Report#/Lab ID#: 155631

**Report Date: 05/28/04** 

**Project ID: 2003-00339** 

Sample Name: LELS05604MW3

Sample Matrix: water

**Date Received:** 05/12/2004 **Time:** 10:30 **Date Sampled:** 05/06/2004 Time: 10:15

### REPORT OF ANALYSIS

### OUALITY ASSURANCE DATA 1

REI ONI OF THIS EDIS	OCILIII I	LUD CITY	TICE DIE								
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)	7.51	mg/L	0.5	0.72	05/25/04	8015 mod.		9	84.4	84.4	91.8
TPH by GC (as diesel-ext)					05/20/04	3510					
TPH by GC (as gasoline)	2.71	mg/L	0.5	<0.5	05/25/04	8015 mod.	J	3.7	98.3	104.7	107.9
Volatile organics-8260b/BTEX					05/19/04	8260b(5030/5035)					
Benzene	803	μg/L	10	<10	05/18/04	8260b		2.1	96.4	96.4	96.4
Ethylbenzene	132	μg/L	1	<1	05/19/04	8260b		1.2	111.1	111.9	122.2
m,p-Xylenes	43.6	μg/L	2	<2	05/19/04	8260b		0.2	114.8	112.5	123.6
o-Xylene	3.3	μg/L	1	<1	05/19/04	8260b		0.4	115.4	113.8	127.2
Toluene	<1	μg/L	1	<l< td=""><td>05/19/04</td><td>8260b</td><td></td><td>2.3</td><td>121.2</td><td>102.1</td><td>128.7</td></l<>	05/19/04	8260b		2.3	121.2	102.1	128.7

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

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Iain Olness

Client:

Attn:

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

**Project ID:** 2003-00339

Sample Name: LELS05604MW3

Report#/Lab ID#: 155631 Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Environmental Plus, Inc.

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	98.9	42-122	
p-Terphenyl	8015 mod.	129	39-125	x
1,2-Dichloroethane-d4	8260b	102	74-124	
Toluene-d8	8260b	105	89-115	

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

D ---- D-4-- 05/00/04

Report #/Lab ID#: 155631 Matrix: water	
Client: Environmental Plus, Inc.	Attn: Iain Olness
Project ID: 2003-00339	

Sample Name: LELS05604MW3

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.

### I flag Discussion:

A J flag data qualifier indicates (as required under TCEO-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 gasoline)	J	See J-flag discussion above.
p-Terphenyl p-Terphenyl		Surrogate recovery outside advisory/acceptance limits. Typically, for samples with TPH/1005 hits, high recoveries are due to co-elution of hydrocarbons from the sample at the same retention time as the surrogate

Notes:				
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Client: Environmental Plus, Inc.

Iain Olness Attn: Address: 2100 Ave. O

Eunice.

NM 88231

(505) 394-3481 Phone: REPORT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab ID#: 155632

**Report Date:** 05/28/04

Project ID: 2003-00339

Sample Name: LELS05604MW9

Sample Matrix: water

Date Received: 05/12/2004 Time: 10:30 **Time:** 10:45 **Date Sampled:** 05/06/2004

### QUALITY ASSURANCE DATA 1

AND ONE OF THE TOTAL	QUALITY A	IDD CITY	TICE DIX		_						
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)	0.526	mg/L	0.5	0.72	05/25/04	8015 mod.		9	84.4	84.4	91.8
TPH by GC (as diesel-ext)					05/20/04	3510					
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	05/25/04	8015 mod.		3.7	98.3	104.7	107.9
Volatile organics-8260b/BTEX					05/19/04	8260b(5030/5035)					
Benzene	<l< td=""><td>μg/L</td><td>1</td><td><b>&lt;</b>l</td><td>05/19/04</td><td>8260b</td><td></td><td>0.8</td><td>101.9</td><td>96.6</td><td>109.4</td></l<>	μg/L	1	<b>&lt;</b> l	05/19/04	8260b		0.8	101.9	96.6	109.4
Ethylbenzene	<1	μg/L	1	<1	05/19/04	8260ь		1.2	111.1	111.9	122.2
m,p-Xylenes	<2	μg/L	2	<2	05/19/04	8260ь		0.2	114.8	112.5	123.6
o-Xylene	<l< td=""><td>μg/L</td><td>1</td><td>&lt;1</td><td>05/19/04</td><td>8260b</td><td></td><td>0.4</td><td>115.4</td><td>113.8</td><td>127.2</td></l<>	μg/L	1	<1	05/19/04	8260b		0.4	115.4	113.8	127.2
Toluene	<l< td=""><td>μg/L</td><td>1</td><td>&lt;1</td><td>05/19/04</td><td>8260ь</td><td></td><td>2.3</td><td>121.2</td><td>102.1</td><td>128.7</td></l<>	μg/L	1	<1	05/19/04	8260ь		2.3	121.2	102.1	128.7

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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 (ROL), typically at or above the Practical Quantitation Limit (POL) 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 POL and the MDL. B = Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P=Precision higher than advisory limit. M =Matrix interference.



Client:

Attn:

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Environmental Plus, Inc.

Iain Olness

**Project ID: 2003-00339** 

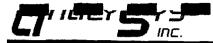
Sample Name: LELS05604MW9

Report#/Lab ID#: 155632 Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	80.6	42-122	
p-Terphenyl	8015 mod.	103	39-125	
1,2-Dichloroethane-d4	8260b	100	74-124	
Toluene-d8	8260b	104	89-115	

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



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Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice,

NM 88231

Phone: (505) 394-3481
REPORT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab ID#: 155633

**Report Date:** 05/28/04

**Project ID: 2003-00339** 

Sample Name: LELS05604MW10

Sample Matrix: water

### OUALITY ASSURANCE DATA 1

ALEX OF THE TRANSPORT	OURLIT A										
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)	1.47	mg/L	0.5	0.72	05/25/04	8015 mod.		9	84.4	84.4	91.8
TPH by GC (as diesel-ext)					05/20/04	3510					
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	05/25/04	8015 mod.		3.7	98.3	104.7	107.9
Volatile organics-8260b/BTEX					05/20/04	8260b(5030/5035)					
Benzene	<1	μg/L	1	<l< td=""><td>05/20/04</td><td>8260b</td><td></td><td>2</td><td>103.2</td><td>96.1</td><td>101.4</td></l<>	05/20/04	8260b		2	103.2	96.1	101.4
Ethylbenzene	<1	μg/L	1	<1	05/20/04	8260b		1.5	114.9	111.2	107.9
m,p-Xylenes	<2	μg/L	2	<2	05/20/04	8260b		3	117.5	110.9	109.2
o-Xylene	<l< td=""><td>μg/L</td><td>1</td><td><l< td=""><td>05/20/04</td><td>8260b</td><td></td><td>3.1</td><td>119.6</td><td>112.8</td><td>111.1</td></l<></td></l<>	μg/L	1	<l< td=""><td>05/20/04</td><td>8260b</td><td></td><td>3.1</td><td>119.6</td><td>112.8</td><td>111.1</td></l<>	05/20/04	8260b		3.1	119.6	112.8	111.1
Toluene	<1	μg/L	1	<1	05/20/04	8260b		0	106.7	111.7	112.7

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Respectfully Submitted,

Richard Elton

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Client: Environmental Plus, Inc.

Iain Olness

Attn:

**Project ID: 2003-00339** 

Sample Name: LELS05604MW10

Report#/Lab ID#: 155633
Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	89	42-122	
p-Terphenyl	8015 mod.	108	39-125	
1,2-Dichloroethane-d4	8260b	100	74-124	
Toluene-d8	8260b	98.9	89-115	

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



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Client: Environmental Plus, Inc.

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NM 88231

Phone: (505) 394-3481

REPORT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab ID#: 155634

Report Date: 05/28/04

Project ID: 2003-00339

Sample Name: LELS05604MW11

Sample Matrix: water

**Date Received:** 05/12/2004 **Time:** 10:30 **Date Sampled:** 05/06/2004 **Time:** 11:50

### **OUALITY ASSURANCE DATA** 1

ALTON OF ANALISIS	22 VIII VI (11 MIL)								INCE DA	<u></u>	
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)	19.2	mg/L	0.5	0.72	05/25/04	8015 mod.		9	84.4	84.4	91.8
TPH by GC (as diesel-ext)					05/20/04	3510					
TPH by GC (as gasoline)	12.3	mg/L	0.5	<0.5	05/25/04	8015 mod.		3.7	98.3	104.7	107.9
Volatile organics-8260b/BTEX					05/20/04	8260b(5030/5035)					
Benzene	2250	μg/L	10	<10	05/18/04	8260b		2.1	96.4	96.4	96.4
Ethylbenzene	1070	μg/L	10	<10	05/18/04	8260b		0.8	119.4	119.5	116.8
m,p-Xylenes	286	μg/L	10	<10	05/20/04	8260b		0.2	114.8	112.5	123.6
o-Xylene	5.28	μg/L	5	<5	05/20/04	8260b		0.4	115.4	113.8	127.2
Toluene	5.73	μg/L	5	< 5	05/20/04	8260b		2.3	121.2	102.1	128.7

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Respectfully Submitted.

Richard Elton

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Client: Environmental Plus, Inc.

Iain Olness

Attn:

**Project ID: 2003-00339** 

Sample Name: LELS05604MW11

Report#/Lab ID#: 155634

Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	109	42-122	
p-Terphenyl	8015 mod.	148	39-125	X
1,2-Dichloroethane-d4	8260b	109	74-124	
Toluene-d8	8260b	100	89-115	

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

Report #/Lab ID#: 155634 Matrix: water

Client: Environmental Plus. Inc.

Attn: Iain Olness

Project ID: 2003-00339

Sample Name: LELS05604MW11

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  $\leq 6^{\circ}$ 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 TCEO-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 I flag "hit" in such situations may be nothing more than background ion-fragment noise.)

### Comments pertaining to Data Qualifiers and OC data:

Parameter	Qualif	Comment
p-Terphenyl p-Terphenyl	•	Surrogate recovery outside advisory/acceptance limits. Typically, for samples with TPH/1005 hits, high recoveries are due to co-elution of hydrocarbons from the sample at the same retention time as the surrogate

### Notes:



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

Client: Environmental Plus, Inc.

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Phone: (505) 394-3481

FAX: (505) 394-2601

Report#/Lab ID#: 155635

Report Date: 05/28/04

**Project ID: 2003-00339** 

Sample Name: LELS05604MW12

Sample Matrix: water

### REPORT OF ANALYSIS

### QUALITY ASSURANCE DATA 1

								QUALITY ASSURANCE DATA					
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)	1.21	mg/L	0.5	0.72	05/25/04	8015 mod.		9	84.4	84.4	91.8		
TPH by GC (as diesel-ext)					05/20/04	3510							
TPH by GC (as gasoline)	<0.5	mg/L	0.5	< 0.5	05/25/04	8015 mod.		3.7	98.3	104.7	107.9		
Volatile organics-8260b/BTEX					05/19/04	8260b(5030/5035)							
Benzene	52.8	μg/L	1	<1	05/19/04	8260b		0.8	101.9	96.6	109.4		
Ethylbenzene	67.7	μg/L	1	<1	05/19/04	8260b		1.2	111.1	111.9	122.2		
m,p-Xylenes	<2	μg/L	2	<2	05/19/04	8260b		0.2	114.8	112.5	123.6		
o-Xylene	<l< td=""><td>μg/L</td><td>1</td><td>&lt;1</td><td>05/19/04</td><td>8260b</td><td></td><td>0.4</td><td>115.4</td><td>113.8</td><td>127.2</td></l<>	μg/L	1	<1	05/19/04	8260b		0.4	115.4	113.8	127.2		
Toluene	<1	μg/L	1	<l< td=""><td>05/19/04</td><td>8260ь</td><td></td><td>2.3</td><td>121.2</td><td>102.1</td><td>128.7</td></l<>	05/19/04	8260ь		2.3	121.2	102.1	128.7		

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Respectfully Submitted.

D' I IFL

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.

וחכ.

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Client: Environmental Plus, Inc. Iain Olness

Attn:

Project ID: 2003-00339

Sample Name: LELS05604MW12

Report#/Lab ID#: 155635 Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	78.1	42-122	
p-Terphenyl	8015 mod.	100	39-125	
1,2-Dichloroethane-d4	8260b	103	74-124	
Toluene-d8	8260b	97.8	89-115	

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

D --- --- D-4-- 05/00/04



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Client: Environmental Plus, Inc.

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Phone: (505) 394-3481

NWI 0023

FAX: (505) 394-2601

Report#/Lab ID#: 155636

**Report Date:** 05/28/04

**Project ID: 2003-00339** 

Sample Name: LELS05604MW13

Sample Matrix: water

**Date Received:** 05/12/2004 **Time:** 10:30 **Date Sampled:** 05/06/2004 **Time:** 13:20

### QUALITY ASSURANCE DATA 1

KEPURI OF ANALISIS							OUALITY P	LOSUKA	NCE DA	<u>. A.</u>	
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)	0.698	mg/L	0.5	0.72	05/25/04	8015 mod.		9	84.4	84.4	91.8
TPH by GC (as diesel-ext)					05/20/04	3510	'				
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	05/25/04	8015 mod.		3.7	98.3	104.7	107.9
Volatile organics-8260b/BTEX					05/17/04	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	05/17/04	8260b		2.1	96.4	96.4	96.4
Ethylbenzene	<1	μg/L	1	<l< td=""><td>05/17/04</td><td>8260b</td><td></td><td>0.8</td><td>119.4</td><td>119.5</td><td>116.8</td></l<>	05/17/04	8260b		0.8	119.4	119.5	116.8
m,p-Xylenes	<2	μg/L	2	<2	05/17/04	8260b		0.2	122	117.8	117.3
o-Xylene	<l< td=""><td>μg/L</td><td>1</td><td>&lt;1</td><td>05/17/04</td><td>8260b</td><td></td><td>0.4</td><td>121.1</td><td>118</td><td>117.3</td></l<>	μg/L	1	<1	05/17/04	8260b		0.4	121.1	118	117.3
Toluene	<1	μg/L	1	<1	05/17/04	8260b		1.7	93.5	96.7	90.9

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Respectfully Submitted.

Richard Elton

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7 5 T 5 INC.

Iain Olness

Client:

Attn:

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

**Project ID: 2003-00339** 

Sample Name: LELS05604MW13

Report#/Lab ID#: 155636 Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Environmental Plus, Inc.

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	79.6	42-122	
p-Terphenyl	8015 mod.	94.1	39-125	
1,2-Dichloroethane-d4	8260b	102	74-124	
Toluene-d8	8260b	112	89-115	

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

D ---- --- D-4- . OF 100 104

# AnalySys Inc.

## Chain of Custody Form

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

	FAX: 512-447-4766																										
Company Name		ental Plus, I	nc.					# .F	in Vie			BIII	To	<b>对我们证</b> 为	artigativa di		À		AN	ALY.	SIS	RE	QUI	EST	1		2
EPI Project Man	<del></del>																										
<b>Mailing Address</b>							ĺ																	i		- 1	
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EPI Phone#/Fax	# 505-394-34	181 / 505-39	4-2	601				E	L	_ìr	٦k	۲E	En	erg	IV		ļ					'		1	.	ł	
<b>Client Company</b>								_							• •									ΙI			
Facility Name	Lea Statio	n								Att				3ryant				ĺ									
Project Referen	ce 2003-0033	9					Ì				PO	Bo	x 16	60,			1	1		1			1 1	1 1	.	1	
EPI Sampler Na	me Sergio Pri	eto							_	М	idla	nd,	TX	79701							•					- [	
							MA	TRIX			PR	ESE	RV.	SAME	PLING	]										- 1	
LAB I.D.	SAMPLE I.I	). 	(G)RAB OR (C)OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнея:	ACID/BASE	ICE/COOL	ОТНЕВ	/ DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cr)	SULFATES (SO₄¯)	Hd	TCLP	OTHER >>>	PAH - ThSP				
155630	1 LELS05604MW1		-	2	Х				Г		Х	Х		6-May	10:00	Х	X	Т			Π		Х				
155631	LELS05604MW3		G	2	Χ					T	X	X		6-May	10:15	X	X						Х				
155632	LELS05604MW9		G	2	Х						X	X		6-May	10:45	X	X										
	LELS05604MW10		G	2	Х			Г	Г	Ī	Х	X		6:May	11:15	X	X	Π									
	LELS05604MW11		G	2	Х		Π	Π	Г		Х	X		6-May	11:50	X	X						Х				
155635	LELS05604MW12	: 1	G	2	X				Π		X	X		6-May	12:30	X	X	T	Г		Ī		X				
155636	7 LELS05604MW13		G	2	X						Х	X		6-May	1:20	Х	Х			匚		匚		口	$\square$	$\Box$	_
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Sampler Relinquished: Securic Relinquished by:	riete	Date   F	Recei			ab sta	aff)		7				nail r MARKS	esults to:	iolness@l	otm	ail.c	om	and	envi	plus	1 @ a	ol.cc	mc			فانختاب
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### **Sample Analysis Case Narrative**

Client: Environmental Plus Project ID: 2003-00339

Attn: <u>Iain Olness</u>

for Sample #'s: 155630 thru 155636

Analyzed by AnalySys, Inc.

Final Review Date: 6/2/2004 By: (R. Elton)

**Case Narrative:** 

The recovery of the surrogate p-Terphenyl was above normal laboratory acceptance criteria for sample #'s155630, 155631 and155634. This elevated recovery was due to the surrogate co-eluting with sample peaks in the >C12-C28 carbon range.



ustin N. Padre Island Dr., Corpus Christi, TX (512) 385-5886

FAX (512) 385-7411

Report Date: 08/23/04

Client: Environmental Plus, Inc.

Attn: Jain Olness Address: 2100 Ave. O

Eunice.

NM 88231

(505) 394-3481 Phone: REPORT OF ANALYSIS **FAX:** (505) 394-2601

Report#/Lab ID#: 157882

**Project ID: 2003-00339** 

Sample Name: LELS072304MW4

Sample Matrix: water

**Date Received:** 07/27/2004 Time: 11:05 **Date Sampled:** 07/23/2004 Time: 07:20

### OUALITY ASSURANCE DATA 1

MIN ORT OF THIS IDED		•					OCHLIA A			<del></del>	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	2.41	mg/L	0.5	<0.5	07/28/04	8015 mod.		11.2	80.1	86.6	79.3
TPH by GC (as diesel-ext)					07/28/04	3510					
TPH by GC (as gasoline)	0.629	mg/L	0.5	<0.5	07/28/04	8015 mod.		17.8	112.8	102.4	91.4
Volatile organics-8260b/BTEX					07/31/04	8260b(5030/5035)					
Benzene	<l< td=""><td>μg/L</td><td>1</td><td>&lt;1</td><td>07/31/04</td><td>8260b</td><td>J</td><td>3.4</td><td>85.3</td><td>102.5</td><td>97.8</td></l<>	μg/L	1	<1	07/31/04	8260b	J	3.4	85.3	102.5	97.8
Ethylbenzene	<1	μg/L	1	<1	07/31/04	8260b		4.3	90	109.3	104
m,p-Xylenes	<b> </b> <2	μg/L	2	. <2	07/31/04	8260b		1.9	112	108.9	106.1
o-Xylene	<1	μg/L	1	<1	07/31/04	8260b		4.7	110.9	111.3	109.2
Toluene	<1	μg/L	1	<1	07/31/04	8260b		6.2	108.1	114.9	107.6

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

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



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

Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00339
Sample Name: LELS072304MW4

Report#/Lab ID#: 157882
Sample Matrix: water

### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	94.4	42-122	
p-Terphenyl	8015 mod.	85	39-125	
1,2-Dichloroethane-d4	8260b	79.2	74-124	
Toluene-d8	8260b	109	89-115	

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

Report #/Lab ID#: 157882 Matrix: water Client: Environmental Plus, Inc. Attn: Jain Olness Project ID: 2003-00339 Sample Name: LELS072304MW4 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. I flag Discussion: A J flag data qualifier indicates (as required under TCEO-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: Qualif Comment Parameter Benzene See J-flag discussion above.

DACCPHOLIS INCPOLE

Notes:

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Danamt #/T ak ID#. 157007 Danamt Datas 9/2/04



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#: 157883

Report Date: 08/23/04

**Project ID: 2003-00339** 

Sample Name: LELS072304MW12

Sample Matrix: water

**Date Received:** 07/27/2004 **Time:** 11:05 **Date Sampled:** 07/23/2004 **Time:** 08:51

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

### QUALITY ASSURANCE DATA 1

KEPUKI OF ANALISIS							QUALITY A	DOCIM	ITCL DA	<u> </u>	
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					
TPH by GC (as diesel)	< 0.5	mg/L	0.5	<0.5	07/28/04	8015 mod.		11.2	80.1	86.6	79.3
TPH by GC (as diesel-ext)					07/28/04	3510					
TPH by GC (as gasoline)	0.754	mg/L	0.5	<0.5	07/28/04	8015 mod.		17.8	112.8	102.4	91.4
Extractable organics-PAH					08/12/04	610 & 8270c					<b>†</b>
Volatile organics-8260b/BTEX					07/30/04	8260b(5030/5035)					
Benzene	107	μg/L	1	. <l< td=""><td>07/30/04</td><td>8260b</td><td></td><td>3.4</td><td>85.3</td><td>102.5</td><td>97.8</td></l<>	07/30/04	8260b		3.4	85.3	102.5	97.8
Ethylbenzene	43.9	μg/L	1	<1	07/30/04	8260b		4.3	90	109.3	104
m,p-Xylenes	2.39	μg/L	2	<2	07/30/04	8260b		1.9	112	108.9	106.1
o-Xylene	<1	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	<0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		5.5	37.4	88.1	43.9
Acenaphthylene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		0.8	39.3	104.5	47.6
Anthracene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		8.2	50.6	101.9	57.1
Benzo[a]anthracene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		6.5	41.7	91.6	56.2
Benzo[a]pyrene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		17.8	28.9	98.6	59.4
Benzo[b]fluoranthene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		7.7	27.9	82.1	45.9
Benzo[g,h,i]perylene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		1.8	37.4	110.2	62.1
Benzo[j,k]fluoranthene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		3.6	38.4	108.4	63.4
Chrysene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		6.8	47.1	110.6	63
Dibenz[a,h]anthracene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		1.8	36.2	108.7	61.2

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,

1) 2

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.



2207 N. Paure Island Dr., Corpus Christi, TA 78408

(512) 385-5886

FAX (512) 385-7411

Environmental Plus, Inc. Client:

Iain Olness

**Project ID:** 2003-00339

Sample Name: LELS072304MW12

Report#/Lab ID#: 157883 Sample Matrix: water

### REPORT OF ANALYSIS-cont.

Attn:

### QUALITY ASSURANCE DATA 1

ALDI OTT OF TAXABLE CORE		QUILLIT TABBORITICE DITTI									
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Fluoranthene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		0.4	55.7	107.7	60.3
Fluorene	0.378	μg/L	0.05	<0.05	08/12/04	610 & 8270c	<b>()</b>	14.1	43.8	83.6	46.3
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		5.3	35.4	109.6	61.1
Naphthalene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		2.9	32.5	95	41.4
Phenanthrene	0.09	μg/L	0.05	<0.05	08/12/04	610 & 8270c	]]	4.7	45.1	83.7	46.6
Pyrene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c	ll	1.1	55.2	100	58.3



Attn:

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

Client: Environmental Plus, Inc. Project ID: 2003-00339

Iain Olness Sample Name: LELS072304MW12

Report#/Lab ID#: 157883
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	40	39-110	
Nitrobenzene-d5	610 & 8270c	65.6	12-110	
Terphenyl-d14	610 & 8270c	71.1	25-110	
1-Chlorooctane	8015 mod.	99.7	42-122	
p-Terphenyl	8015 mod.	87	39-125	
1,2-Dichloroethane-d4	8260b	97.4	74-124	
Toluene-d8	8260b	102	89-115	

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

**Report Date:** 08/23/04

Client: Environmental Plus. Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice,

NM 88231

Phone: (505) 394-3481 REPORT OF ANALYSIS FAX: (505) 394-2601

Report#/Lab ID#: 157884

Project ID: 2003-00339 Sample Name: LELS072304MW9

Sample Matrix: water

Date Received: 07/27/2004 Time: 11:05 **Date Sampled:** 07/23/2004 Time: 07:50

# OHALITY ASSURANCE DATA 1

REPURT OF ANALISIS	QUALITY ASSURANCE DATA *										
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual. ⁷	Prec. 2	Recov. 3	CCV ⁴	LCS ⁴
A/BN Extraction-PAH					07/29/04	3520					
Extractable organics-PAH					08/12/04	610 & 8270c					
Acenaphthene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		5.5	37.4	88.1	43.9
Acenaphthylene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		0.8	39.3	104.5	47.6
Anthracene	<0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		8.2	50.6	101.9	57.1
Benzo[a]anthracene	<0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		6.5	41.7	91.6	56.2
Benzo[a]pyrene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		17.8	28.9	98.6	59.4
Benzo[b]fluoranthene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		7.7	27.9	82.1	45.9
Benzo[g,h,i]perylene	<0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		1.8	37.4	110.2	62.1
Benzo[j,k]fluoranthene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		3.6	38.4	108.4	63.4
Chrysene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		6.8	47.1	110.6	63
Dibenz[a,h]anthracene	<0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		1.8	36.2	108.7	61.2
Fluoranthene	<0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		0.4	55.7	107.7	60.3
Fluorene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		14.1	43.8	83.6	46.3
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		5.3	35.4	109.6	61.1
Naphthalene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		2.9	32.5	95	41.4
Phenanthrene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c	<b> </b>	4.7	45.1	83.7	46.6
Pyrene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		1.1	55.2	100	58.3

This analytical report is respectfully submitted by AnalySvs. 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 (ROL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.



3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.

**Project ID: 2003-00339** 

Ъ

Report#/Lab ID#: 157884
Sample Matrix: water

Attn: Iain Olness

Sample Name: LELS072304MW9

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery Limits</b>	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	48.8	39-110	
Nitrobenzene-d5	610 & 8270c	73.6	12-110	
Terphenyl-d14	610 & 8270c	69.6	25-110	

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



N. Pagre Island Dr., Corpus Christi, TX

(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 REPORT OF ANALYSIS FAX: (505) 394-2601

Report#/Lab ID#: 157885

Report Date: 08/23/04

Project ID: 2003-00339

Sample Name: LELS072304MW10

Sample Matrix: water

Date Received: 07/27/2004 Time: 11:05 **Date Sampled:** 07/23/2004 Time: 08:10

### **QUALITY ASSURANCE DATA** 1

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	LCS ⁴
A/BN Extraction-PAH					07/29/04	3520				 

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Dale Wagner

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Iain Olness

Environmental Plus, 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#: 157886

**Report Date:** 08/23/04

Project ID: 2003-00339

Sample Name: LELS072304MW13

Sample Matrix: water

**Date Received:** 07/27/2004 **Time:** 11:05 **Date Sampled:** 07/23/2004 **Time:** 10:35

Phone:

Client:

Attn:

(505) 394-3481

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

NM 88231

#### REPORT OF ANALYSIS

Address: 2100 Ave. O

Funice.

# QUALITY ASSURANCE DATA 1

REPORT OF ANALISIS							VUALITIE				
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					
Extractable organics-PAH	T				08/12/04	610 & 8270c					
Acenaphthene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		5.5	37.4	88.1	43.9
Acenaphthylene	<0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		0.8	39.3	104.5	47.6
Anthracene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c	<b>II</b>	8.2	50.6	101.9	57.1
Benzo[a]anthracene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		6.5	41.7	91.6	56.2
Benzo[a]pyrene	< 0.05	μg/L	0.05	. <0.05	08/12/04	610 & 8270c		17.8	28.9	98.6	59.4
Benzo[b]fluoranthene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c	<b>l</b> l	7.7	27.9	82.1	45.9
Benzo[g,h,i]perylene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		1.8	37.4	110.2	62.1
Benzo[j,k]fluoranthene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c	<b> </b>	3.6	38.4	108.4	63.4
Chrysene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		6.8	47.1	110.6	63
Dibenz[a,h]anthracene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		1.8	36.2	108.7	61.2
Fluoranthene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		0.4	55.7	107.7	60.3
Fluorene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		14.1	43.8	83.6	46.3
Indeno[1,2,3-cd]pyrene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		5.3	35.4	109.6	61.1
Naphthalene	< 0.05	μg/L	0.05	< 0.05	08/12/04	610 & 8270c		2.9	32.5	95	41.4
Phenanthrene	< 0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		4.7	45.1	83.7	46.6
Pyrene	<0.05	μg/L	0.05	<0.05	08/12/04	610 & 8270c		1.1	55.2	100	58.3

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Respectfully Submitted,

Dale Wagner

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

Client: Environmental Plus, Inc.

Iain Olness

Attn:

**Project ID: 2003-00339** 

Sample Name: LELS072304MW13

Report#/Lab ID#: 157886

Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery Limits</b>	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	42.3	39-110	
Nitrobenzene-d5	610 & 8270c	83	12-110	
Terphenyl-d14	610 & 8270c	43.7	25-110	

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

# AnalySys Inc.

Chain of Custody Form

4221 Freidrich Lane, Suite 190, Austin, TX 78744

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

512-444-5896 FAX: 512-447-4766

Company Name	Environmental Plus	, Inc	<u>;.                                    </u>			ř			, 150. 2		Bill	To.				1 / / 1 / 1	is a si	AN	ALY	'SIS	RE	QUI	EST			
EPI Project Mana							-			T	4	<del>-</del>	7	-										$\top$		
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EPI Phone#/Fax#	<del>†</del> 505-394-3481 / 505-3	394-	260	1		Ì				P	LA	IN	$\bar{S}$						ļ							
Client Company	Plains All American									PH	AMP ELL!	ERICA SE. L.	<u>N</u>		Į									l		ĺ
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157884 ³	LELS072304MW9	G	1	X						X	X		23-Jul	7:50								Х	П		$\Box$	
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# **Sample Analysis Case Narrative**

Client: Environmental Plus Project ID: 2003-00339

Attn: Ian Olness

for Sample #'s: 157882-157886

Analyzed by AnalySys, Inc.

Final Review Date: 8/23/2004

**Case Narrative:** 

We were unable to perform PAH analysis on LELS072304MW4 and LELS072304MW10. The initial analysis had a QC issues and there was insufficient sample volume to perform the analysis again.



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

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

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

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

Report#/Lab ID#: 160282

**Report Date: 10/15/04** 

Project ID: 2003-00339

Sample Name: LELS093004MW1

Sample Matrix: water

**Date Received:** 10/06/2004 Time: 13:30 **Date Sampled:** 09/30/2004 Time: 09:28

# OHALITY ASSURANCE DATA 1

REPORT OF ANALYSIS	EPORT OF ANALYSIS								QUALITY ASSURANCE DATA 1							
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴					
TPH by GC (as diesel)	1.39	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.5	85.4	101.6	92.6					
TPH by GC (as diesel-ext)					10/07/04	3510				<b></b>						
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.9	83	91.7	86.4					
Volatile organics-8260b/BTEX				-	10/08/04	8260b(5030/5035)										
Benzene	122	μg/L	1	<l< td=""><td>10/08/04</td><td>8260b</td><td></td><td>4.5</td><td>91.2</td><td>92.1</td><td>92.6</td></l<>	10/08/04	8260b		4.5	91.2	92.1	92.6					
Ethylbenzene	17.5	μg/L	1	<1	10/08/04	8260b		0.1	84.9	104.5	102					
m,p-Xylenes	8.89	μg/L	2	<2	10/08/04	8260b		0.4	105.8	103.7	101.2					
o-Xylene	<1	$\mu$ g/L	1	<1	10/08/04	8260ь		0.6	107.7	105.4	106.7					
Toluene	<l< td=""><td>μg/L</td><td>1</td><td><l< td=""><td>10/08/04</td><td>8260b</td><td></td><td>3</td><td>106.9</td><td>106.9</td><td>111.2</td></l<></td></l<>	μg/L	1	<l< td=""><td>10/08/04</td><td>8260b</td><td></td><td>3</td><td>106.9</td><td>106.9</td><td>111.2</td></l<>	10/08/04	8260b		3	106.9	106.9	111.2					

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Dale Wagner

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

Client: Environmental Plus, Inc.

Iain Olness

Attn:

Project ID: 2003-00339

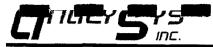
Sample Name: LELS093004MW1

Report#/Lab ID#: 160282
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	112	30-133	
p-Terphenyl	8015 mod.	123	41-150	
1,2-Dichloroethane-d4	8260b	104	74-124	
Toluene-d8	8260b	99.2	89-115	

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



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

(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus. Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice,

NM 88231

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

FAX: (505) 394-2601

Report#/Lab ID#: 160283

Report Date: 10/15/04

**Project ID: 2003-00339** 

Sample Name: LELS093004MW2

Sample Matrix: water

**Date Received:** 10/06/2004 **Time:** 13:30 **Date Sampled:** 09/30/2004 **Time:** 13:58

#### REPORT OF ANALYSIS

# QUALITY ASSURANCE DATA 1

QUALITI ASSURANCE DATA											
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)	70.7	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.5	85.4	101.6	92.6
TPH by GC (as diesel-ext)					10/07/04	3510					
TPH by GC (as gasoline)	20.5	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.9	83	91.7	86.4
Volatile organics-8260b/BTEX					10/08/04	8260b(5030/5035)					
Benzene	638	μg/L	5	Ø	10/08/04	8260b		4.5	91.2	92.1	92.6
Ethylbenzene	379	μg/L	5	<5	10/08/04	8260b		0.1	84.9	104.5	102
m,p-Xylenes	760	μg/L	10	<10	10/08/04	8260b		0.4	105.8	103.7	101.2
o-Xylene	81.2	μg/L	5	<5	10/08/04	8260ь		0.6	107.7	105.4	106.7
Toluene	65.3	μg/L	5	ৰ্ব	10/08/04	8260ь		3	106.9	106.9	111.2

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Respectfully Submitted,

) We

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

Environmental Plus, Inc.

Iain Olness

Client:

Attn:

**Project ID:** 2003-00339

Sample Name: LELS093004MW2

Report#/Lab ID#: 160283
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	132	30-133	
p-Terphenyl	8015 mod.	207	41-150	X
1,2-Dichloroethane-d4	8260b	114	74-124	
Toluene-d8	8260b	96.9	89-115	

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

Report #/Lab ID#: 160283 Matrix: water
Client: Environmental Plus, Inc. Attn: Iain Olness
Project ID: 2003-00339

Sample Name: LELS093004MW2

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.

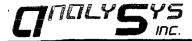
#### J flag Discussion:

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
p-Terphenyl p-Terphenyl		Surrogate recovery outside advisory/acceptance limits. Typically, for samples with TPH/1005 hits, high recoveries are due to co-elution of hydrocarbons from the sample at the same retention time as the surrogate

<b>Notes:</b>	



3512 Montopolis Drive, Austin, 1A /5/44 & 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

REPORT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab ID#: 160284

**Report Date:** 10/15/04

**Project ID: 2003-00339** 

Sample Name: LELS093004MW3

Sample Matrix: water

# QUALITY ASSURANCE DATA 1

REI ORI OF TRAINER											
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)	<0.5	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.5	85.4	101.6	92.6
TPH by GC (as diesel-ext)					10/07/04	3510					
TPH by GC (as gasoline)	3.41	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.9	83	91.7	86.4
Volatile organics-8260b/BTEX					10/08/04	8260b(5030/5035)					
Benzene	1450	μg/L	10	<10	10/07/04	8260b		4.5	91.2	92.1	92.6
Ethylbenzene	176	μg/L	2	<2	10/08/04	8260b		0.1	84.9	104.5	102
m,p-Xylenes	67	μg/L	4	<4	10/08/04	8260b		0.4	105.8	103.7	101.2
o-Xylene	9.1	μg/L	2	<2	10/08/04	8260b		0.6	107.7	105.4	106.7
Toluene	3.39	μg/L	2	<2	10/08/04	8260b		3	106.9	106.9	111.2

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Respectfully Submitted,

DW

Dale Wagner

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2000 N. Bodre Lelond Dr. Compus Christi TV

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

Client: Environmental Plus, Inc.

**Project ID: 2003-00339** 

Report#/Lab ID#: 160284

Iain Olness

Attn:

Sample Name: LELS093004MW3

Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	113	30-133	
p-Terphenyl	8015 mod.	120	41-150	
1,2-Dichloroethane-d4	8260b	102	74-124	
Toluene-d8	8260b	99.4	89-115	

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

D --- --- 10/15/04



Iain Olness

(505) 394-3481

Environmental Plus, Inc.

3512 Montopolis Drive, Austin, 1A /8/44 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

FAX (512) 385-7411

(512) 385-5886

Report#/Lab ID#: 160285 Report Date: 10/15/04

**Project ID: 2003-00339** 

Sample Name: LELS093004MW11

Sample Matrix: water

**Date Received:** 10/06/2004 Time: 13:30 **Date Sampled:** 09/30/2004 Time: 11:15

DEPORT OF ANALYSIS

Address: 2100 Avc. O

Eunice.

Client:

Phone:

Attn:

OHALITY ASSURANCE DATA 1

KEFORT OF ANALISIS		QUALITY ASSURANCE DATA									
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)	3.31	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.5	85.4	101.6	92.6
TPH by GC (as diesel-ext)					10/07/04	3510					
TPH by GC (as gasoline)	7.81	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.9	83	91.7	86.4
Volatile organics-8260b/BTEX					10/08/04	8260b(5030/5035)					
Benzene	1970	μg/L	100	<100	10/07/04	8260ь		4.5	91.2	92.1	92.6
Ethylbenzene	1920	μg/L	100	<100	10/07/04	8260b		0.1	84.9	104.5	102
m,p-Xylenes	228	μg/L	4	<4	10/08/04	8260b		0.4	105.8	103.7	101.2
o-Xylene	2.95	μg/L	2	<2	10/08/04	8260ь		0.6	107.7	105.4	106.7
Toluene	4.31	μg/L	2	<2	10/08/04	8260b	<u></u>	3	106.9	106.9	111.2

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NM 88231

FAX: (505) 394-2601

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 POL 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 78408

(512) 385-5886

FAX (512) 385-7411

Environmental Plus, Inc.

Iain Olness

Client:

Attn:

**Project ID: 2003-00339** 

Sample Name: LELS093004MW11

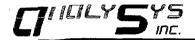
Report#/Lab ID#: 160285 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	119	30-133	
p-Terphenyl	8015 mod.	126	41-150	
1,2-Dichloroethane-d4	8260b	105	74-124	
Toluene-d8	8260b	99.7	89-115	

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

D ---- 10/18/04



Iain Olness

(505) 394-3481

Environmental Plus, Inc.

3512 Montopolis Drive, Austin, TX 78/44 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

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

Report Date: 10/15/04

Report#/Lab ID#: 160286

**Project ID: 2003-00339** 

Sample Name: LELS093004MW12

Sample Matrix: water

Date Received: 10/06/2004 Time: 13:30 **Date Sampled:** 09/30/2004 Time: 09:48

Address: 2100 Ave. O

Client:

Phone:

Attn:

Ennice.

#### REPORT OF ANALYSIS

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)	<0.5	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.5	85.4	101.6	92.6
TPH by GC (as diesel-ext)					10/07/04	3510					
TPH by GC (as gasoline)	<0.5	mg/L	0.5	<0.5	10/08/04	8015 mod.		5.9	83	91.7	86.4
Volatile organics-8260b/BTEX					10/07/04	8260b(5030/5035)					
Benzene	66.6	μg/L	l	<1	10/07/04	8260b		4.5	91.2	92.1	92.6
Ethylbenzene	67.1	μg/L	1	<l< td=""><td>10/07/04</td><td>8260b</td><td></td><td>0.1</td><td>84.9</td><td>104.5</td><td>102</td></l<>	10/07/04	8260b		0.1	84.9	104.5	102
m,p-Xylenes	<2	μg/L	2	<2	10/07/04	8260b	J J	0.4	105.8	103.7	101.2
o-Xylene	<1	μg/L	1	<1	10/07/04	8260b		0.6	107.7	105.4	106.7
Toluene	<l< td=""><td>μg/L</td><td>1</td><td><l< td=""><td>10/07/04</td><td>8260b</td><td></td><td>3</td><td>106.9</td><td>106.9</td><td>111.2</td></l<></td></l<>	μg/L	1	<l< td=""><td>10/07/04</td><td>8260b</td><td></td><td>3</td><td>106.9</td><td>106.9</td><td>111.2</td></l<>	10/07/04	8260b		3	106.9	106.9	111.2

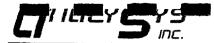
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NM 88231

FAX: (505) 394-2601

Dale Wagner

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 (ROL), typically at or above the Practical Quantitation Limit (POL) 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 POL 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 78408

(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.

**Project ID:** 2003-00339

Report#/Lab ID#: 160286

Iain Olness

Attn:

Sample Name: LELS093004MW12

Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1-Chlorooctane	8015 mod.	94.6	30-133	
p-Terphenyl	8015 mod.	97.9	41-150	
1,2-Dichloroethane-d4	8260b	106	74-124	
Toluene-d8	8260b	99.9	89-115	

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

Report #/Lab ID#: 160286 Matrix: water
Client: Environmental Plus, Inc.
Attn: Iain Olness
Project ID: 2003-00339

Sample Name: LELS093004MW12

Sample Temperature/Condition: <=6°C

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

#### Sample Bottles & Preservation:

■ Sample received in appropriate container(s) and appear to be appropriately preserved.

☐ Sample received in appropriate container(s). State of sample preservation unknown.

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

#### J flag Discussion:

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

#### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.
No.4a		

Notes:



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

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

Phone: (505) 394-3481

FAX: (505) 394-2601

Report#/Lab ID#: 160287

**Report Date:** 10/15/04

Project ID: 2003-00339

Sample Name: LELS093004MW4

Sample Matrix: water

**Date Received:** 10/06/2004 **Time:** 13:30 **Date Sampled:** 09/30/2004 **Time:** 08:10

### OUALITY ASSURANCE DATA 1

REPORT OF ANALYSIS	OKI OF ANALISIS										QUALITY ASSURANCE DATA 1					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴					
A/BN Extraction-PAH					10/07/04	3520										
Extractable organics-PAH					10/13/04	610 & 8270c										
Acenaphthene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		0.9	37.8	96.3	44.5					
Acenaphthylene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		2	39.7	98	44.9					
Anthracene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		3	42	95	45.6					
Benzo[a]anthracene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		0.6	40	101.3	51.9					
Benzo[a]pyrene	< 0.05	$\mu \mathrm{g}/\mathrm{L}$	0.05	< 0.05	10/13/04	610 & 8270c		2	30.7	99.9	50.3					
Benzo[b]fluoranthene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		2.7	32.2	103.3	54.2					
Benzo[g,h,i]perylene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.4	27.4	97.2	51.8					
Benzo[j,k]fluoranthene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.3	30.2	100.4	49.8					
Chrysene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.6	36.8	97.8	47.7					
Dibenz[a,h]anthracene	<0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		0.6	27.8	99.5	49					
Fluoranthene	<0.05	μg/L	0.05	<0.05	10/13/04	610 & 8270c		0.8	45	92.8	48.7					
Fluorene	<0.05	μg/L	0.05	<0.05	10/13/04	610 & 8270c		2.2	37.8	95	44.9					
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.7	27.6	98.4	49.4					
Naphthalene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.9	37.6	81.2	36.8					
Phenanthrene	<0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.4	46.8	96.1	51.1					
Pyrene	<0.05	μg/L	0.05	<0.05	10/13/04	.610 & 8270c		1.1	48.8	99	50.1					

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Respectfully Submitted,

Di

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.



Iain Olness

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

(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.

Attn:

**Project ID:** 2003-00339

Sample Name: LELS093004MW4

Report#/Lab ID#: 160287 Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	36.2	30-110	
Nitrobenzene-d5	610 & 8270c	35.8	12-110	
Terphenyl-d14	610 & 8270c	32.7	25-110	

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



Jain Olness

(505) 394-3481

Environmental Plus, Inc.

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

Report#/Lab ID#: 160288

Report Date: 10/15/04

Project ID: 2003-00339

Sample Name: LELS093004MW10

Sample Matrix: water

**Date Received:** 10/06/2004 Time: 13:30 Time: 09:00 **Date Sampled:** 09/30/2004

Eunice,

Address: 2100 Ave. O

Client:

Phone:

Attn:

FAX: (505) 394-2601

NM 88231

#### REPORT OF ANALYSIS

# QUALITY ASSURANCE DATA 1

KEFOKT OF ANALISIS		QUALITY ASSURANCE DATA									
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
A/BN Extraction-PAH					10/07/04	3520					
Extractable organics-PAH					10/13/04	610 & 8270c					
Acenaphthene	< 0.05	μg/L	0.05	<0.05	10/13/04	610 & 8270c		0.9	37.8	96.3	44.5
Acenaphthylene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		2	39.7	98	44.9
Anthracene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		3	42	95	45.6
Benzo[a]anthracene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		0.6	40	101.3	51.9
Benzo[a]pyrene	< 0.05	$\mu \mathrm{g/L}$	0.05	< 0.05	10/13/04	610 & 8270c		2	30.7	99.9	50.3
Benzo[b]fluoranthene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		2.7	32.2	103.3	54.2
Benzo[g,h,i]perylene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.4	27.4	97.2	51.8
Benzo[j,k]fluoranthene	<0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.3	30.2	100.4	49.8
Chrysene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.6	36.8	97.8	47.7
Dibenz[a,h]anthracene	<0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		0.6	27.8	99.5	49
Fluoranthene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		0.8	45	92.8	48.7
Fluorene	< 0.05	μg/L	0.05	<0.05	10/13/04	610 & 8270c		2.2	37.8	95	44.9
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.7	27.6	98.4	49.4
Naphthalene	<0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.9	37.6	81.2	36.8
Phenanthrene	< 0.05	μg/L	0.05	< 0.05	10/13/04	610 & 8270c		1.4	46.8	96.1	51.1
Pyrene	<0.05	μg/L	0.05	<0.05	10/13/04	.610 & 8270c		1.1	48.8	99	50.1

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Dale Wagner

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

Client: Environmental Plus, Inc.

Iain Olness

Attn:

**Project ID:** 2003-00339

Sample Name: LELS093004MW10

Report#/Lab ID#: 160288
Sample Matrix: water

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	32.3	30-110	
Nitrobenzene-d5	610 & 8270c	34.8	12-110	
Terphenyl-d14	610 & 8270c	23.6	25-110	X

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

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

Company Name	Environmental P	lus, Ind	٥.								Bill	To				. 4		AN/	ALY	SIS	RE	QUI	EST			
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Mailing Address	P.O. BOX 1558										_]															
City, State, Zip	Eunice New Mex	co 882	231																					ı		ı
EPI Phone#/Fax#	505-394-3481 / 50	)5-394-	260	)1						P	LA	IN	รี												1	Ì
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LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	отнея:	ACID/BASE	ICE/COOL	отнев	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO4")	Hd	TCLP	OTHER >>>	РАН				
<b>160282</b> 1	LELS093004MW1	G	4	X						Х	Х		30-Sep	9:28	X	Х										
<b>160283</b> ²	LELS093004MW2	G	4	X						Х	Х		30-Sep	13:58	X	X										
100204	LELS093004MW3	G	4	X						X	X		30-Sep	10:26	X	X										
	LELS093004MW11	G	4	X						Х	X		30-Sep	11:15	X	X										
<b>160286</b> 5	LELS093004MW12	G	4	_						Х	X		30-Sep	9:48	X	X										
<b>160287</b> 6	LELS093004MW4	G	_	_						X	X		30-Sep	8:10	L							Х				
<b>160288</b> 7	LELS093004MW10	G	2	X			L			Х	X		30-Sep	9:00								X				
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# Sample Analysis Case Narrative

Client: Environmental Plus, Inc. Project ID: 2003-00339

Attn: <u>Iain Olness</u>

for Sample #'s: 160282 thru 160288

Analyzed by AnalySys, Inc.

Final Review Date: 10/19/2004 By: _______(D. Wagner)

**Case Narrative:** 

Recovery of the surrogate Terphenyl-d14 for sample # 160288 was slightly below normal laboratory acceptance criteria (23.6% versus a normal low limit of 25%). This sample was re-analyzed, including all sample preps, with similar surrogate results. This is indicative of potential matrix interference (MI) for this surrogate in this sample.

(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 DEDODT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab ID#: 162967

Report Date: 01/17/05

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-1

Sample Matrix: water

**Date Received:** 12/22/2004 Time: 10:20 Date Sampled: 12/17/2004 Time: 09:58

QUALITY ASSUDANCE DATA 1

REPORT OF ANALYSIS	I OF ANALYSIS										QUALITY ASSURANCE DATA							
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. 2	Recov. 3	CCV ⁴	LCS ⁴							
A/BN Extraction-PAH					12/23/04	3520												
Extractable organics-PAH					01/06/05	610 & 8270c												
Volatile organics-8260b/BTEX	***				12/29/04	8260b(5030/5035)												
Benzene	97.2	μg/L	1	<l< td=""><td>12/29/04</td><td>8260b</td><td></td><td>3.3</td><td>101.5</td><td>98</td><td>100.6</td></l<>	12/29/04	8260b		3.3	101.5	98	100.6							
Ethylbenzene	10.8	μg/L	1	<1	12/29/04	8260b		2.4	105.8	106.8	102.7							
m,p-Xylenes	11.5	μg/L	2	<2	12/29/04	8260b		3	105.6	106.9	101.8							
o-Xylene	<1	μg/L	1	<1	12/29/04	8260b		7.1	101	102.3	98.5							
Toluene	<1	μg/L	1	<1	12/29/04	8260b		11.2	114.2	102.8	108.4							
Acenaphthene	0.288	μg/L	0.05	< 0.05	01/06/05	610 & 8270c	P	34	34.9	89.6	44.9							
Acenaphthylene	0.18	μg/L	0.05	< 0.05	01/06/05	610 & 8270c	S,M,P	50.2	81.9	89.9	48.8							
Anthracene	<0.05	μg/L	0.05	<0.05	01/06/05	610 & 8270c	S,M,P	32.6	17.4	91.2	47.9							
Benzo[a]anthracene	<0.05	μg/L	0.05	<0.05	01/06/05	610 & 8270c		10.3	18.6	82.6	52							
Benzo[a]pyrene	<0.05	μg/L	0.05	<0.05	01/06/05	610 & 8270c	S,M,P	116.6	11.9	82.8	47							
Benzo[b]fluoranthene	<0.05	μg/L	0.05	<0.05	01/06/05	610 & 8270c		14	11.7	88.8	46.8							
Benzo[g,h,i]perylene	<0.05	μg/L	0.05	<0.05	01/06/05	610 & 8270c	S,M	8.4	7.9	104.4	53.1							
Benzo[j,k]fluoranthene	< 0.05	μg/L	0.05	<0.05	01/06/05	610 & 8270c	P	65	5.8	91	49.2							
Chrysene	0.115	μg/L	0.05	<0.05	01/06/05	610 & 8270c		2.3	19.1	87.9	39.1							
Dibenz[a,h]anthracene	<0.05	μg/L	0.05	<0.05	01/06/05	610 & 8270c	S,M	14.8	3.2	88.1	34.6							
Fluoranthene	0.061	μg/L	0.05	< 0.05	01/06/05	610 & 8270c	S,M	25	18.3	88.7	50							
Fluorene	1.14	μg/L	0.05	<0.05	01/06/05	610 & 8270c		26.1	27.6	88.8	46.2							
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	01/06/05	610 & 8270c	S,M	3.9	4.3	88.1	45.6							

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



3512 Montopons Drive, Austin, 1A /8/44 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 FAX (512) 385-7411

Environmental Plus, Inc. Client:

Iain Olness

Attn:

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-1

Report#/Lab ID#: 162967 Sample Matrix: water

# REPORT OF ANALYSIS-cont.

REPORT OF ANALYSIS-cont.	QUALITY ASSURANCE DATA 1										
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Naphthalene	0.844	μg/L	0.05	<0.05	01/06/05	610 & 8270c		15.9	34.4	92.6	45.4
Phenanthrene	1.45	μg/L	0.05	<0.05	01/06/05	610 & 8270c	P	48.3	48.6	90.7	43.6
Pyrene	0.099	μg/L	0.05	<0.05	01/06/05	610 & 8270c		19.6	20.8	85.9	46.8

Iain Olness

Client:

Attn:

2209 N. raure Island Dr., Corpus Christi, TX

(512) 385-5886

FAX (512) 385-7411

Project ID: 2003-00339 Lea Station

Sample Name: PAALS121704MW-1

Report#/Lab ID#: 162967 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Environmental Plus, Inc.

Surrogate Compound	Method	Recovery	<b>Recovery Limits</b>	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	35.9	30-110	
Nitrobenzene-d5	610 & 8270c	62.5	12-110	
Terphenyl-d14	610 & 8270c	25.2	25-110	
1,2-Dichloroethane-d4	8260b	94.5	74-124	
Toluene-d8	8260b	109	89-115	
			I .	1

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

D---- 01/17/05

DALLUMUMO	MUPUL L.	

Report #/Lab ID#: 162967 Matrix: water

Client: Environmental Plus, Inc. At

Attn: Jain Olness

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-1

### Sample Temperature/Condition: <=6°C

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

# Sample Bottles & Preservation:

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

#### I flag Discussion:

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

#### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Acenaphthene Acenaphthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene Acenaphthylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Anthracene Anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[a]pyrene Benzo[a]pyrene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[j,k]fluoranthene Benzo[j,k]fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Dibenz[a,h]anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Phenanthrene Phenanthrene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.

Notes:	



Jain Olness

Eunice.

Environmental Plus, Inc.

3510 Monton of Driver Stin, 7874 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

(512) 385-5886

**Report Date:** 01/17/05

Report#/Lab ID#: 162968 Re Project ID: 2003-00339 Lea Station

Sample Name: PAALS121704MW-2

Sample Matrix: water

**Date Received:** 12/22/2004 **Time:** 10:20 **Date Sampled:** 12/17/2004 **Time:** 09:36

NM 88231

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

### REPORT OF ANALYSIS

Address: 2100 Ave. O

Client:

Attn:

Phone:

### OUALITY ASSURANCE DATA 1

REPORT OF ANALYSIS					QUALITY ASSURANCE DATA 1								
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴		
A/BN Extraction-PAH					12/23/04	3520							
Extractable organics-PAH					01/06/05	610 & 8270c							
Volatile organics-8260b/BTEX					12/29/04	8260b(5030/5035)			<b> </b>				
Benzene	482	μg/L	10	<10	12/29/04	8260b		3.3	101.5	98	100.6		
Ethylbenzene	442	μg/L	10	<10	12/29/04	8260b		2.4	105.8	106.8	102.7		
m,p-Xylenes	709	μg/L	20	<20	12/29/04	8260b		3	105.6	106.9	101.8		
o-Xylene	69.7	μg/L	10	<10	12/29/04	8260b		7.1	101	102.3	98.5		
Toluene	22.2	μg/L	10	<10	12/29/04	8260b	<b>-</b>	11.2	114.2	102.8	108.4		
Acenaphthene	7.77	μg/L	0.5	<0.5	01/06/05	610 & 8270c	P	34	34.9	89.6	44.9		
Acenaphthylene	<0.5	μg/L	0.5	<0.5	01/06/05	610 & 8270c	S,M,P	50.2	81.9	89.9	48.8		
Anthracene	<0.5	μg/L	0.5	<0.5	01/06/05	610 & 8270c	S,M,P	32.6	17.4	91.2	47.9		
Benzo[a]anthracene	<0.5	μg/L	0.5	<0.5	01/06/05	610 & 8270c		10.3	18.6	82.6	52		
Benzo[a]pyrene	2	μg/L	0.5	<0.5	01/06/05	610 & 8270c	S,M,P	116.6	11.9	82.8	47		
Benzo[b]fluoranthene	1.07	μg/L	0.5	<0.5	01/06/05	610 & 8270c		14	11.7	88.8	46.8		
Benzo[g,h,i]perylene	<0.5	μg/L	0.5	<0.5	01/06/05	610 & 8270c	J,S,M	8.4	7.9	104.4	53.1		
Benzo[j,k]fluoranthene	0.928	μg/L	0.5	<0.5	01/06/05	610 & 8270c	P	65	5.8	91	49.2		
Chrysene	6.03	μg/L	0.5	<0.5	01/06/05	610 & 8270c		2.3	19.1	87.9	39.1		
Dibenz[a,h]anthracene	<0.5	μg/L	0.5	<0.5	01/06/05	610 & 8270c	S,M	14.8	3.2	88.1	34.6		
Fluoranthene	2.76	μg/L	0.5	<0.5	01/06/05	610 & 8270c	S,M	25	18.3	88.7	50		
Fluorene	27.1	μg/L	0.5	<0.5	01/06/05	610 & 8270c		26.1	27.6	88.8	46.2		
Indeno[1,2,3-cd]pyrene	<0.5	μg/L	0.5	<0.5	01/06/05	610 & 8270c	S,M	3.9	4.3	88.1	45.6		

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © 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. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S & S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



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

Environmental Plus, Inc. Client:

Iain Olness

Attn:

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-2

Report#/Lab ID#: 162968 Sample Matrix: water

REPORT OF ANALYSIS-cont.

REPORT OF ANALYSIS-cont.		QUALITY ASSURANCE DATA 1									
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Naphthalene	118	μg/L	5	ර	01/06/05	610 & 8270c		15.9	34.4	92.6	45.4
Phenanthrene	43.9	μg/L	0.5	<0.5	01/06/05	610 & 8270c	P	48.3	48.6	90.7	43.6
Pyrene	3.56	μg/L	0.5	<0.5	01/06/05	610 & 8270c		19.6	20.8	85.9	46.8

CONTRACTOR INC.

2512 Montanalis Driver Australia 77 78408 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408

(512) 385-5886

FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Iain Olness

**Project ID:** 2003-00339 Lea Station **Sample Name:** PAALS121704MW-2 Report#/Lab ID#: 162968 Sample Matrix: water

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	111	74-124	
Toluene-d8	8260b	110	89-115	

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

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# EACEPHONS INCHOLL

Report #/Lab ID#: 162968 Matrix: water

Client: Environmental Plus, Inc. Attn: Iain Olness

**Project ID:** 2003-00339 Lea Station **Sample Name:** PAALS121704MW-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.

#### I flag Discussion:

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

#### Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Acenaphthene Acenaphthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene Acenaphthylene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Acenaphthylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Anthracene Anthracene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[a]pyrene Benzo[a]pyrene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Benzo[a]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Benzo[g,h,i]perylene	J	See J-flag discussion above.
Benzo[j,k]fluoranthene Benzo[j,k]fluoranthene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
Dibenz[a,h]anthracene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Fluoranthene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Indeno[1,2,3-cd]pyrene	S,M	MS and/or MSD recoveries outside target recov. limits. LCS recovery in-limits; indicative of potential matrix interference as evidenced by M-flag.
Phenanthrene Phenanthrene	P P	The precision of the MS & MSD (or sample and sample duplicate for those analyseswhere MS/MSD are not run) is outside advisory/acceptance limits.
2-Fluorobiphenyl 2-Fluorobiphenyl	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.
Nitrobenzene-d5 Nitrobenzene-d5	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.
Terphenyl-d14 Terphenyl-d14	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.

**Jain Olness** 

Environmental Plus, Inc.

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

OHALITY ASSUDANCE DATA 1

FAX (512) 385-7411

Report#/Lab ID#: 162969

**Report Date:** 01/17/05

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-3

(512) 385-5886

Sample Matrix: water

Date Received: 12/22/2004 Time: 10:20 Time: 10:14 **Date Sampled:** 12/17/2004

Eunice.

(505) 394-3481

#### DEDODT OF ANALYSIS

Address: 2100 Ave. O

Client:

Aftn:

Phone:

REPORT OF ANALYSIS							QUALITY ASSURANCE DATA						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴		
A/BN Extraction-PAH					12/23/04	3520							
Extractable organics-PAH					01/15/05	610 & 8270c							
Volatile organics-8260b/BTEX		ļ			12/28/04	8260b(5030/5035)							
Benzene	<1	μg/L	1	<l< td=""><td>12/28/04</td><td>8260b</td><td>J</td><td>2.6</td><td>102</td><td>103.8</td><td>105</td></l<>	12/28/04	8260b	J	2.6	102	103.8	105		
Ethylbenzene	<1	μg/L	1	<1	12/28/04	8260b		0	103.7	108.3	105.9		
m,p-Xylenes	<2	μg/L	2	<2	12/28/04	8260b		0	103.6	107.7	105.1		
o-Xylene	<1	μg/L	1	<1	12/28/04	8260b		0.6	108.3	102.1	110.4		
Toluene	<1	μg/L	1	<l< td=""><td>12/28/04</td><td>8260b</td><td></td><td>2.2</td><td>107.3</td><td>116.1</td><td>115.5</td></l<>	12/28/04	8260b		2.2	107.3	116.1	115.5		
Acenaphthene	0.143	μg/L	0.05	< 0.05	01/15/05	610 & 8270c	P	34	34.9	89.6	44.9		
Acenaphthylene	0.054	μg/L	0.05	<0.05	01/15/05	610 & 8270c	S,M,P	50.2	81.9	89.9	48.8		
Anthracene	0.771	μg/L	0.05	< 0.05	01/15/05	610 & 8270c	S,M,P	32.6	17.4	91.2	47.9		
Benzo[a]anthracene	0.737	μg/L	0.05	< 0.05	01/15/05	610 & 8270c		10.3	18.6	82.6	52		
Benzo[a]pyrene	0.237	μg/L	0.05	<0.05	01/15/05	610 & 8270c	S,M,P	116.6	11.9	82.8	47		
Benzo[b]fluoranthene	0.101	μg/L	0.05	<0.05	01/15/05	610 & 8270c		14	11.7	88.8	46.8		
Benzo[g,h,i]perylene	< 0.05	μg/L	0.05	<0.05	01/15/05	610 & 8270c	J,S,M	8.4	7.9	104.4	53.1		
Benzo[j,k]fluoranthene	0.094	μg/L	0.05	< 0.05	01/15/05	610 & 8270c	P	65	5.8	91	49.2		
Chrysene	0.613	μg/L	0.05	< 0.05	01/15/05	610 & 8270c		2.3	19.1	87.9	39.1		
Dibenz[a,h]anthracene	< 0.05	μg/L	0.05	< 0.05	01/15/05	610 & 8270c	J,S,M	14.8	3.2	88.1	34.6		
Fluoranthene	0.176	μg/L	0.05	< 0.05	01/15/05	610 & 8270c	S,M	25	18.3	88.7	50		
Fluorene	0.393	μg/L	0.05	<0.05	01/15/05	610 & 8270c		26.1	27.6	88.8	46.2		
Indeno[1,2,3-cd]pyrene	< 0.05	μg/L	0.05	< 0.05	01/15/05	610 & 8270c	J,S,M	3.9	4.3	88.1	45.6		

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

NM 88231

FAX: (505) 394-2601

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



 3512
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 78744 &

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

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

Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-3

Report#/Lab ID#: 162969
Sample Matrix: water

REPORT OF ANALYSIS-cont.

**QUALITY ASSURANCE DATA** 1

RDI ORI OI IMMEDICAL TORRE						Q S. A. M. M. M. M. M. M. M. M. M. M. M. M. M.						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴	
Naphthalene	0.102	μg/L	0.05	<0.05	01/15/05	610 & 8270c		15.9	34.4	92.6	45.4	
Phenanthrene	0.757	μg/L	0.05	<0.05	01/15/05	610 & 8270c	P	48.3	48.6	90.7	43.6	
Pyrene	0.172	μg/L	0.05	<0.05	01/15/05	610 & 8270c		19.6	20.8	85.9	46.8	

COLYSYS INC.

Iain Olness

Client:

Attn:

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

(512) 385

Project ID: 2003-00339 Lea Station
Sample Name: PAALS121704MW-3

Report#/Lab ID#: 162969
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Environmental Plus, Inc.

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	59	30-110	
Nitrobenzene-d5	610 & 8270c	62.5	12-110	
Terphenyl-d14	610 & 8270c	45	25-110	
1,2-Dichloroethane-d4	8260b	99	74-124	
Toluene-d8	8260b	111	89-115	

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

D ---- D-4-- 01/17/05

L'ACCIPIIDIES NEPUI L.

	Matrix: water

Client: Environmental Plus, Inc.

Attn: Jain Olness

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-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:

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

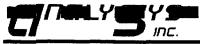
### J flag Discussion:

A I flag data qualifier indicates (as required under TCEO-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. Recause the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

### Comments pertaining to Data Qualifiers and QC data:

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

Notes:	



Driv stin, I N. Padre Island Dr., Corpus Christi, TX 78408

Report Date: 01/17/05

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

Client: Environmental Plus, Inc.

Attn: Iain Olness Address: 2100 Ave. O

Eunice.

NM 88231

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

Report#/Lab ID#: 162970

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-11

Sample Matrix: water

Date Received: 12/22/2004 Time: 10:20 Time: 08:43 **Date Sampled:** 12/17/2004

### QUALITY ASSURANCE DATA 1

REPORT OF ANALYSIS		-					<u>ΓΑ</u> 1				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
A/BN Extraction-PAH					12/23/04	3520					
Extractable organics-PAH					01/07/05	610 & 8270c					
Volatile organics-8260b/BTEX					12/30/04	8260b(5030/5035)					
Benzene	1750	μg/L	10	<10	12/29/04	8260b		3.3	101.5	98	100.6
Ethylbenzene	714	μg/L	10	<10	12/29/04	8260b		2.4	105.8	106.8	102.7
m,p-Xylenes	162	μg/L	2	<2	12/30/04	8260b		3	105.6	106.9	101.8
o-Xylene	1.23	μg/L	1	<1	12/30/04	8260b		7.1	101	102.3	98.5
Toluene	4.13	μg/L	1	<1	12/30/04	8260ь		11.2	114.2	102.8	108.4
Acenaphthene	0.254	μg/L	0.05	<0.05	01/07/05	610 & 8270c	P	34	34.9	89.6	44.9
Acenaphthylene	0.251	μg/L	0.05	< 0.05	01/07/05	610 & 8270c	S,M,P	50.2	81.9	89.9	48.8
Anthracene	<0.05	μg/L	0.05	<0.05	01/07/05	610 & 8270c	S,M,P	32.6	17.4	91.2	47.9
Benzo[a]anthracene	< 0.05	μg/L	0.05	<0.05	01/07/05	610 & 8270c		10.3	18.6	82.6	52
Benzo[a]pyrene	0.106	μg/L	0.05	<0.05	01/07/05	610 & 8270c	S,M,P	116.6	11.9	82.8	47
Benzo[b]fluoranthene	0.051	μg/L	0.05	<0.05	01/07/05	610 & 8270c		14	11.7	88.8	46.8
Benzo[g,h,i]perylene	< 0.05	μg/L	0.05	<0.05	01/07/05	610 & 8270c	S,M	8.4	7.9	104.4	53.1
Benzo[j,k]fluoranthene	< 0.05	μg/L	0.05	< 0.05	01/07/05	610 & 8270c	J,P	65	5.8	91	49.2
Chrysene	0.28	μg/L	0.05	< 0.05	01/07/05	610 & 8270c		2.3	19.1	87.9	39.1
Dibenz[a,h]anthracene	< 0.05	μg/L	0.05	< 0.05	01/07/05	610 & 8270c	S,M	14.8	3.2	88.1	34.6
Fluoranthene	0.121	μg/L	0.05	< 0.05	01/07/05	610 & 8270c	S,M	25	18.3	88.7	50
Fluorene	1.89	μg/L	0.05	< 0.05	01/07/05	610 & 8270c		26.1	27.6	88.8	46.2
Indeno[1,2,3-cd]pyrene	<0.05	μg/L	0.05	<0.05	01/07/05	610 & 8270c	S,M	3.9	4.3	88.1	45.6

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © 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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2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.

Attn: Iain Olness

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-11

Report#/Lab ID#: 162970 Sample Matrix: water

REPORT OF ANALYSIS-cont.

OUALITY ASSURANCE DATA 1

KEPUKI OF ANALIBIS-COIL							QUALITY A	SOUNA	NCE DA	LA ·	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual. ⁷	Prec. ²	Recov. 3	CCV ⁴	LCS ⁴
Naphthalene	3.44	μg/L	0.05	<0.05	01/07/05	610 & 8270c		15.9	34.4	92.6	45.4
Phenanthrene	2.32	μg/L	0.05	<0.05	01/07/05	610 & 8270c	P	48.3	48.6	90.7	43.6
Pyrene	0.182	μg/L	0.05	<0.05	01/07/05	610 & 8270c		19.6	20.8	85.9	46.8

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

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

Client: Environmental Plus, Inc. Iain Olness

Attn:

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-11

Report#/Lab ID#: 162970 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
2-Fluorobiphenyl	610 & 8270c	42.7	30-110	
Nitrobenzene-d5	610 & 8270c	33.4	12-110	
Terphenyl-d14	610 & 8270c	27.1	25-110	
1,2-Dichloroethane-d4	8260b	106	74-124	
Toluene-d8	8260b	108	89-115	

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

D --- -- D-4- 01/17/05

### ехсерионз кероги:

Report #/Lab ID#: 162970 Matrix: water

Client: Environmental Plus, Inc.

Attn: Iain Olness

**Project ID:** 2003-00339 Lea Station **Sample Name:** PAALS121704MW-11

Sample Temperature/Condition: <=6°C

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

### Sample Bottles & Preservation:

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

### I flag Discussion:

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

### Comments pertaining to Data Qualifiers and QC data:

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

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

Environmental Plus, Inc.

Attn: Jain Olness Address: 2100 Ave. O

Client:

Toluene

Eunice.

NM 88231

<1

μg/L

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

Report#/Lab ID#: 162971

Report Date: 01/17/05

Project ID: 2003-00339 Lea Station Sample Name: PAALS121704MW-12

Sample Matrix: water

8260b

Date Received: 12/22/2004 Time: 10:20 Date Sampled: 12/17/2004 Time: 09:20

OUALITY ASSURANCE DATA 1

2.2

107.3

116.1

115.5

REPORT OF ANALYSIS ROL⁵ Recov. 3 CCV⁴ Method 6 Data Oual.⁷ Prec. 2 LCS4 Parameter Result Units Blank Date Volatile organics-8260b/BTEX 12/28/04 8260b(5030/5035) Benzene 11.9 12/28/04 8260b 103.8 μg/L 1 <1 2.6 102 105 ___ 9.21 <1 12/28/04 8260b 105.9 Ethylbenzene ug/L 1 0 103.7 108.3 m.p-Xvlenes <2 2 <2 12/28/04 8260b 0 107.7 μg/L 103.6 105.1 12/28/04 8260b 108.3 o-Xvlene <1 μg/L <1 0.6 102.1 110.4

<1

12/28/04

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Dale Wagner

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Client: Environmental Plus, Inc.
Attn: Iain Olness

Project ID: 2003-00339 Lea Station
Sample Name: PAALS121704MW-12

Report#/Lab ID#: 162971
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qualifiers
1,2-Dichloroethane-d4	8260b	111	74-124	
Toluene-d8	8260b	107	89-115	

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

Chain of Custody Form

AnalySys Inc.

4221 Freidrich Lane, Suite 190, Austin, TX 78744

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

512-444-5896 F	AX: 512-447-4766																										
Company Name	Environme	ental Plus,	Inc								- 0	Bill	To						AN/	YEY	SIS	RE	OUI	EST			
EPI Project Mana	iger lain Olnes	S									T	4		7	-												\Box
Mailing Address P.O. BOX 1558																							l		ļ		
City, State, Zip	Eunice Ne	w Mexico	882	31									المر										1 1	1	1	1	1
EPI Phone#/Fax#	505-394-34	481 / 505-3	94-	260 [°]	1						$\overline{\mathbf{P}}$	$L\mathbf{A}$	IN	\overline{S}													
Client Company	Plains All A	American									PII	AMI PELII	ERICA NE, L.	<u>N</u> P.											Ì	1	١
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							MA	rix			PR	ESE	RV.	SAMP	LING											1	ļ
LAB I.D.	SAMPLE I.C) .	(G) RAB OR (C) OMP.	# CONTAINERS	GROUND WATER	WASTEWATER	TIOS	CRUDE OIL	SLUDGE	отнея:	ACID/BASE	ICE/COOL	ОТНЕВ	DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (CI)	SULFATES (SO4")	Hd	TCLP	OTHER >>>	РАН				
162967 1	PAALS121704MW-1		G	4	X						X	X		17-Dec	9:58	X							X			\Box	ヿ
	PAALS121704MW-2		G	4	X						Х	X		17-Dec	9:36	Х							Х	\Box		7	ヿ
	PAALS121704MW-3		G	4	X						X	X		17-Dec	10:14	Х							Х		\Box		ヿ
	PAALS121704MW-1	1	G	4	X						X	X		17-Dec	8:43	X							X	\Box			٦
162971 5	PAALS121704MW-1	2	G	3	X						X	X		17-Dec	9:20	X											
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Sample Analysis Case Narrative

Client: Environmental Plus, Inc. Project ID: 2003-00339 Lea Station

Attn: Iain Olness

Case Narrative:

for Sample #'s: 162967 thru 162971

Analyzed by AnalySys, Inc.

Final Review Date: 1/20/2005 By: _____

The recoveries of several semi volatile organic compounds in the Matrix Spikes (MS and/or MSD) for the analytical batch that contained sample #'s 162967 thru 162970 were outside normal laboratory acceptance criteria. The Laboratory Control Sample (LCS) run with this batch met recovery acceptance criteria for each compound indicating that the analytical method was operating correctly and in control. Although the spike recoveries are below normal acceptance criteria for some compounds, none of the above referenced samples were the spiked sample. When viewed within the context of the passing LCS data, and the acceptable surrogate recoveries seen for each sample, this deviation in spike recovery should have minimal impact on data usability.

The precisions of Acenaphthene and Benzo[j,k]fluoranthene for the analytical batch that contained sample #'s 162967 thru 162970 were higher than normal laboratory acceptance criteria. However, in each case, the Matrix Spikes (MS&MSD), and the Laboratory Control Sample (LCS) run with this batch were within analyte recovery limits indicating that the analytical process was working appropriately and in control. This deviation in the precision between the MS and MSD when viewed in conjunction with the acceptable analyte recovery seen for the MS, MSD, and LCS should have minimal impact on data usability.



ANNUAL MONITORING REPORT

LEA STATION
LINK REF: 2003-00339

Nw¼ of Section 28 T20S R37E ~9.5 Miles North-Northwest (313°) of Eunice, Lea County, New Mexico

LATITUDE: N32° 32' 51.3"

LONGITUDE: W103° 15' 37.0"

MARCH 11, 2004

PREPARED BY: IAO

Environmental Plus, Inc.

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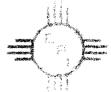


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APPENDIX

Appendix A Laboratory Analytical Results and Chain-of-Custody Form

I. Background

Lea Station is located approximately 9 miles north-northwest of Eunice in Lea County, New Mexico, at an elevation of approximately 3,495 feet above mean sea level (reference Figures 1 and 2). The site is located in the Monument-Jal Oil Field and is utilized as a crude oil pipeline pumping station. There are no residences or surface water bodies within a 1,000-foot radius of the facility. The facility is surrounded by a barbed wire fence and has a locked gate (reference Figure 3).

In 1992, Shell Pipeline Corporation (SPLC) retained CURA to establish baseline conditions of the subsurface environment at the site. In December 1992, 12 soil borings were advanced around the site and seven groundwater monitoring wells were installed. Analytical results for soil samples collected during this phase of the investigation indicated two general areas, one in the eastern half and one in the western half of the site, were identified as hydrocarbon-impacted areas by elevated total petroleum hydrocarbon (TPH) concentrations in soils (>100 parts per million (ppm) TPH). Analytical results for groundwater samples collected during this phase of the investigation indicated dissolved phase hydrocarbon contaminants present in five of the seven groundwater samples.

Based on these results, an additional four soil borings were advanced and an additional four groundwater monitoring wells were installed in September 1993. Results of this and previous phases of the investigation indicated three hydrocarbon-impacted areas present on the site, one in the eastern portion, one in the north-central portion and one in the western portion. In addition, phase separated hydrocarbons (PSH) were detected in groundwater monitoring well MW-8. Due to the presence of PSH and the extent of hydrocarbon-impacted soil and groundwater, CURA recommended that feasibility testing be completed to evaluate soil and groundwater remedial methods for potential implementation at the site.

In September 1994, CURA submitted a *Remediation Plan* to SPLC. The plan consisted of a soil vapor extraction (SVE) and product-only pumping system in the vicinity of groundwater monitoring well MW-8. The *Remediation Plan* included the installation of two recovery wells (RW-1 and RW-2), installation of two PSH only pump/air extraction units (one unit each in RW-1 and RW-2), regulatory notification of air emissions, final installation of the system, performance monitoring, operations and maintenance activities and reporting.

In February 1995, a remediation system consisting of SVE with product-only pumping was installed at the site. The system was designed with high vacuum levels at the wellheads in an effort to induce oil flow towards the wells, as observed during the pilot testing. Recovery of PSH and quarterly monitoring have been ongoing since the system was installed. Adjustments to the system have been made during the past nine years in an effort to enhance recovery operations.

II. Field Activities

Field work completed prior to December 2003 was completed by Enercon Services, Inc. for SPLC. Environmental Plus, Inc. does not have the information for any field work completed

Lea Station

during that time. Environmental Plus conducted one sampling/gauging event on December 18, 2003.

III. Groundwater Gradient and PSH Thickness

Monitoring wells were gauged prior to bailing to determine the depth to groundwater and the thickness of any PSH. Except for minor fluctuations, groundwater levels have decreased throughout the year (reference Figures 17 through 20). PSH were only detected in two groundwater monitoring wells (MW-2 and MW-11) during the past year. PSH was only detected in groundwater monitoring well MW-11 during the January 28, 2003 sampling event, at a thickness of 0.09 feet. PSH levels in groundwater monitoring well MW-2 have generally shown a decrease during the past year. No PSH were detected in the remaining monitoring wells during the past year. A summary of groundwater elevations and PSH thickness is included in Table 1.

Based on data collected during the four sampling events, groundwater is flowing to the southeast (reference Figures 21, 23, 25 and 27) and is consistent with historical data.

IV. PSH Recovery

Absorbent booms and hand bailing accomplish recovery of PSH on-site. Approximately 226 gallons of PSH have been recovered to date. Between November 8, 2002 and December 18, 2003, approximately 26.5 gallons were recovered by manual means. A summary of PSH recovery is presented in Table 1.

V. Groundwater Sampling

Groundwater monitoring wells MW-4, MW-5, MW-6, MW-7, MW-9 and MW-10 were sampled on January 28, April 2, July 8 and December 8, 2003 for benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8260b. The samples collected during the January 28, 2003 sampling event were also analyzed for poly-aromatic hydrocarbons (PAH) using EPA Method 8310. Groundwater monitoring wells MW-8, MW-10 and MW-14 were sampled during the April 2 and December 18, 2003 sampling events and the samples submitted for quantification of BTEX using EPA Method 8260b. Groundwater monitoring wells MW-11, MW-12 and MW-13 were only sampled during the April 2, 2003 sampling event and the samples submitted for quantification of BTEX using EPA Method 8260b. Recovery well RW-1 was sampled during the December 18, 2003 sampling event and the sample submitted for quantification of BTEX using EPA Method 8260b. All wells were purged a minimum of three well volumes or dry and samples collected utilizing dedicated or disposable sample bailers. Samples were then placed on ice and shipped to an independent laboratory under chain-of-custody for analyses.

VI. Groundwater Analytical Results

Dissolved BTEX concentrations remained relatively stable with only minor fluctuations across the site during the past year. Analytical results for PAH were non-detectable in all samples except for the sample collected from monitoring well MW-6. Analytical results for this sample

2 Lea Station

indicated flourene concentrations of 0.00061 parts per million (ppm). Samples collected from monitoring wells MW-4, MW-7, MW-8, MW-9, MW-10 and MW-13 and recovery well RW-1 contained no detectable concentrations of BTEX or PAH during the past year. A summary of groundwater analytical results is included as Table 2 and a copy of the analytical results for samples collected on December 18, 2003 is included as Appendix A.

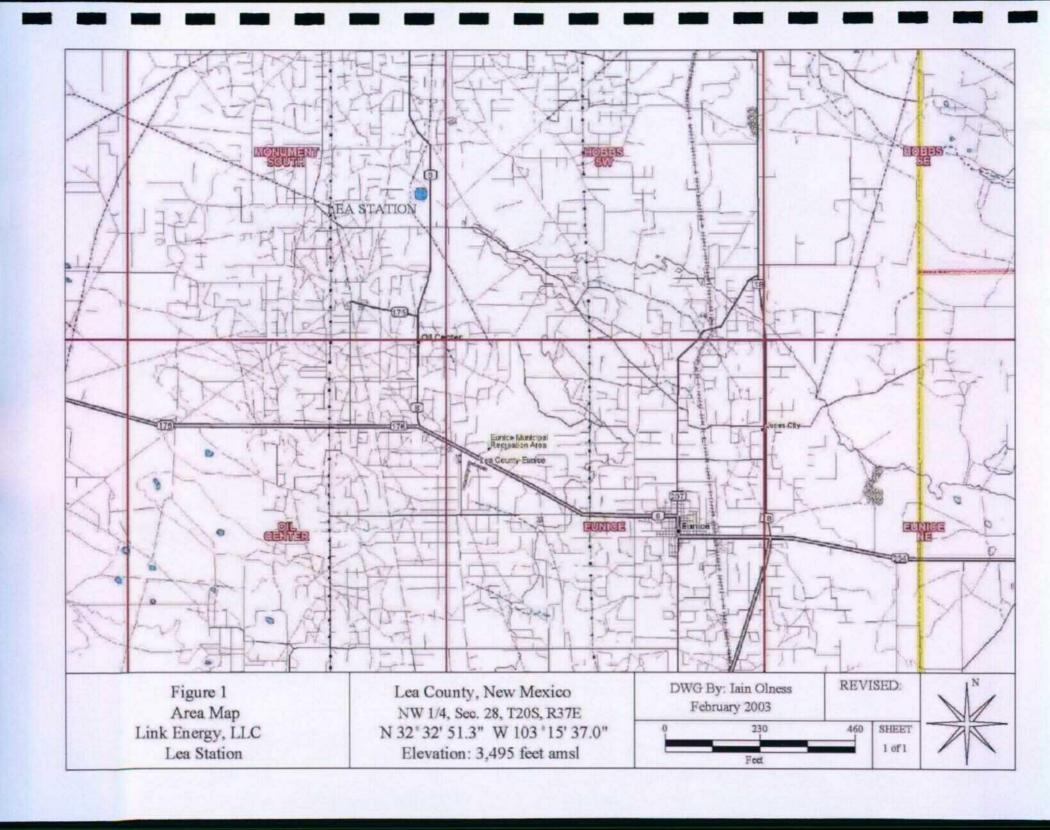
VII. Recommendations

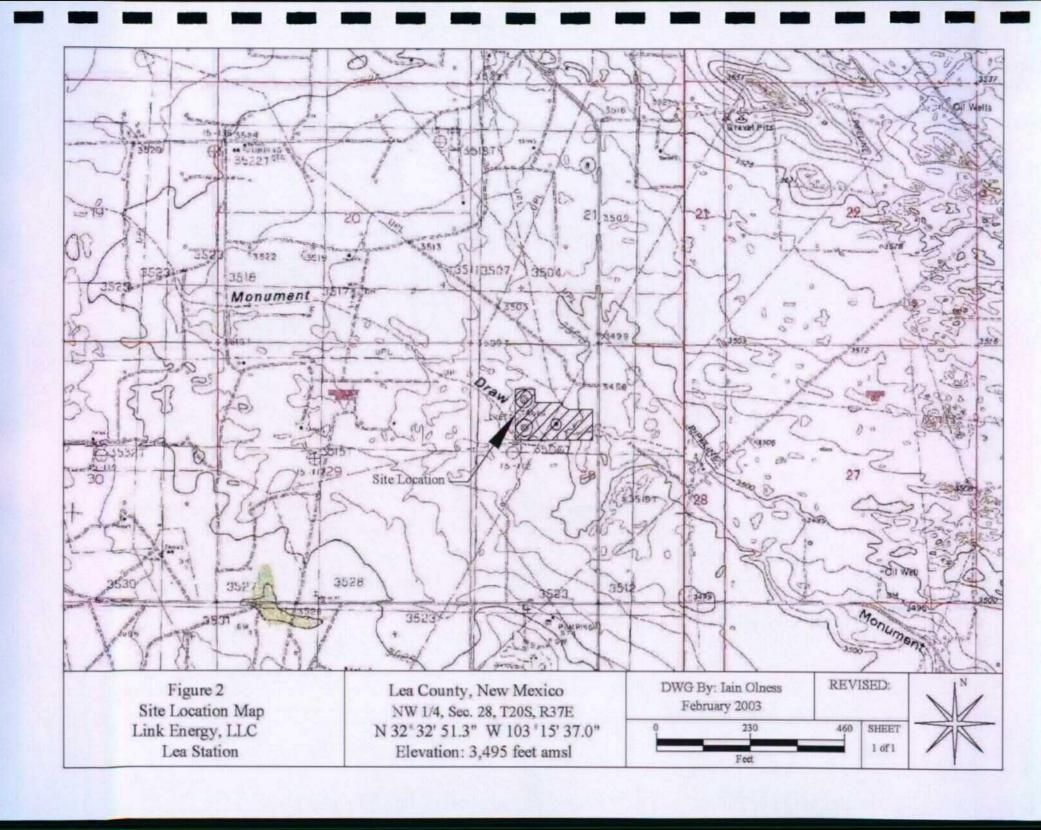
Based on field monitoring and analytical results collected during the past year and analyzed in conjunction with data collected during the past eight years, the following changes are recommended in the sampling protocol:

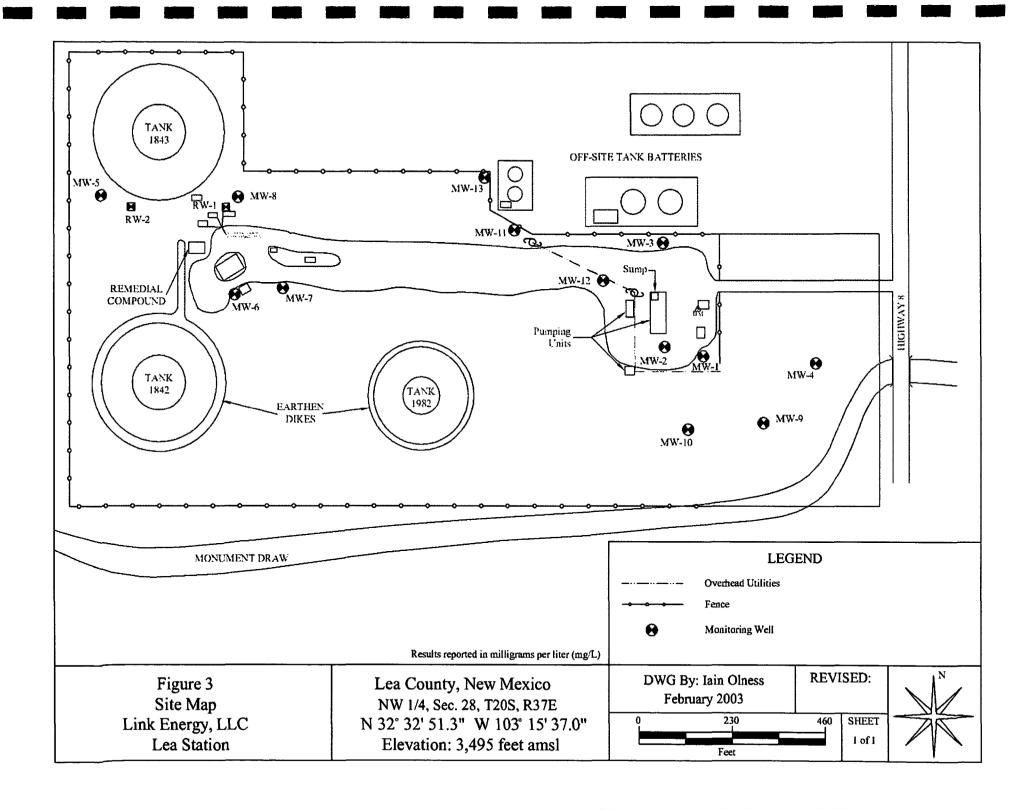
- 1) Turn the SVE system off and continue to monitor the groundwater monitoring well network on a semi-monthly basis to recover PSH from the impacted groundwater monitoring wells.
- 2) Although no PSH have been detected in recovery wells RW-1 and RW-2 for approximately the past two years, absorbent socks should be placed in these wells in the event PSH return.
- 3) Gauge all groundwater monitoring wells for water levels and the presence of PSH on a quarterly basis.
- 3) Sample groundwater monitoring wells MW-1, MW-3, and MW-12 on a quarterly basis and submit the samples for quantification of TPH and BTEX. The samples should be analyzed annually for the presence of PAHs. In the event PSH are not detected during a sampling event in groundwater monitoring wells currently containing PSH (i.e. MW-2 and MW-11), these wells will be included in the quarterly sampling event.
- 4) Sample groundwater monitoring wells MW-9, MW-10, and MW-13 on an annual basis and submit the samples for quantification of TPH and BTEX. The samples should not be analyzed for PAHs, unless TPH and/or BTEX impacts are detected.

3 Lea Station

FIGURES







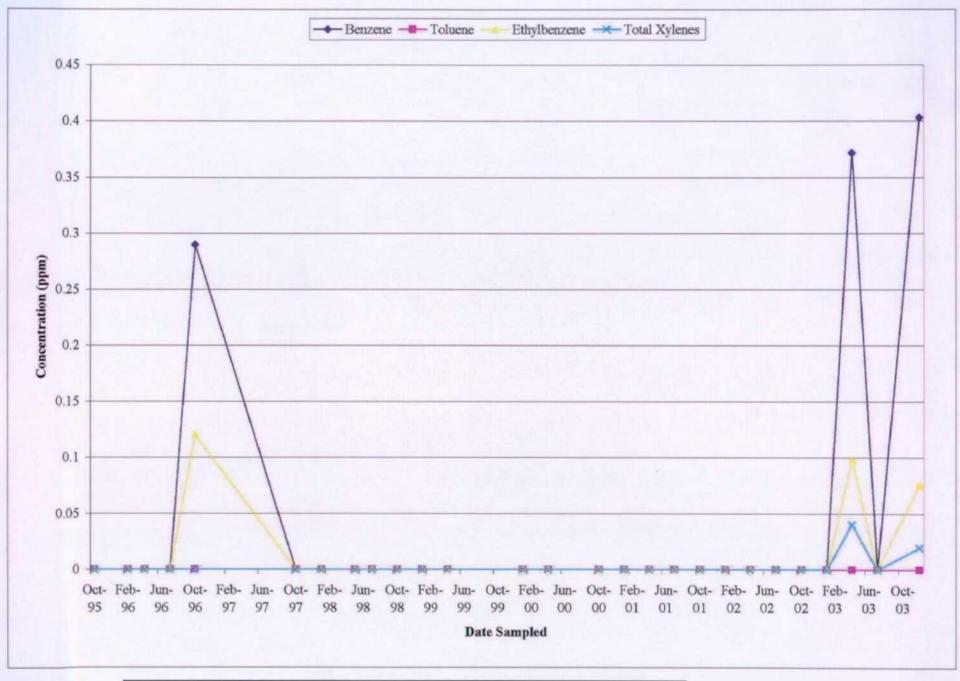


Figure 4: BTEX Concentrations for Groundwater Monitoring Well MW-1, Link Energy Lea Station, Lea County New Mexico, from 10/17/95 through 12/18/03.

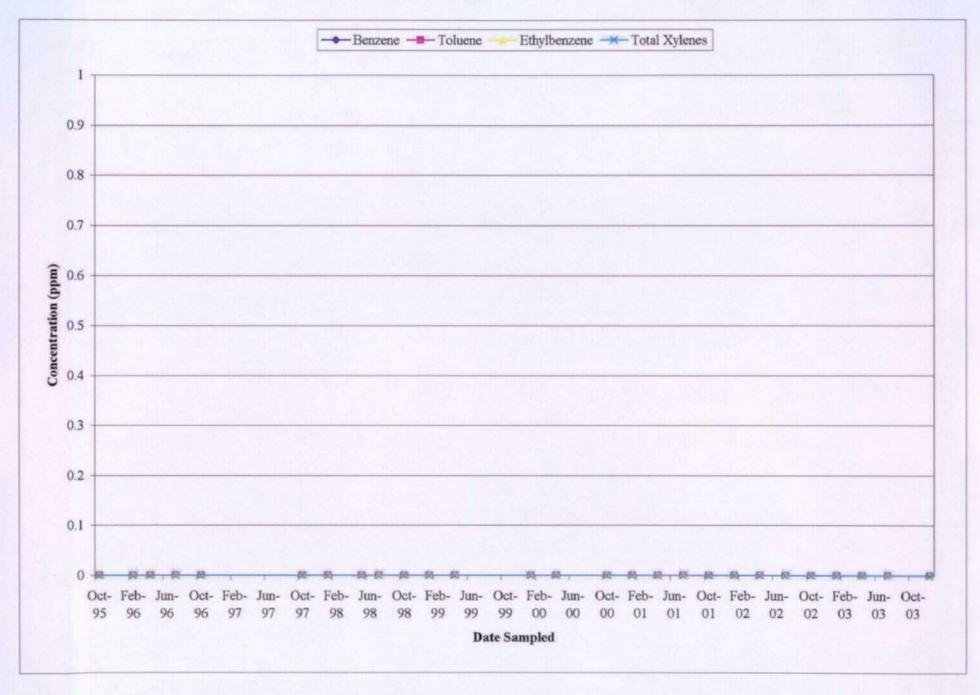


Figure 5: BTEX Concentrations for Groundwater Monitoring Well MW-2, Link Energy Lea Station, Lea County New Mexico, from 10/17/95 through 12/18/03.



Figure 6: BTEX Concentrations for Groundwater Monitoring Well MW-3, Link Energy Lea Station, Lea County New Mexico, from 02/16/93 through 12/18/03.

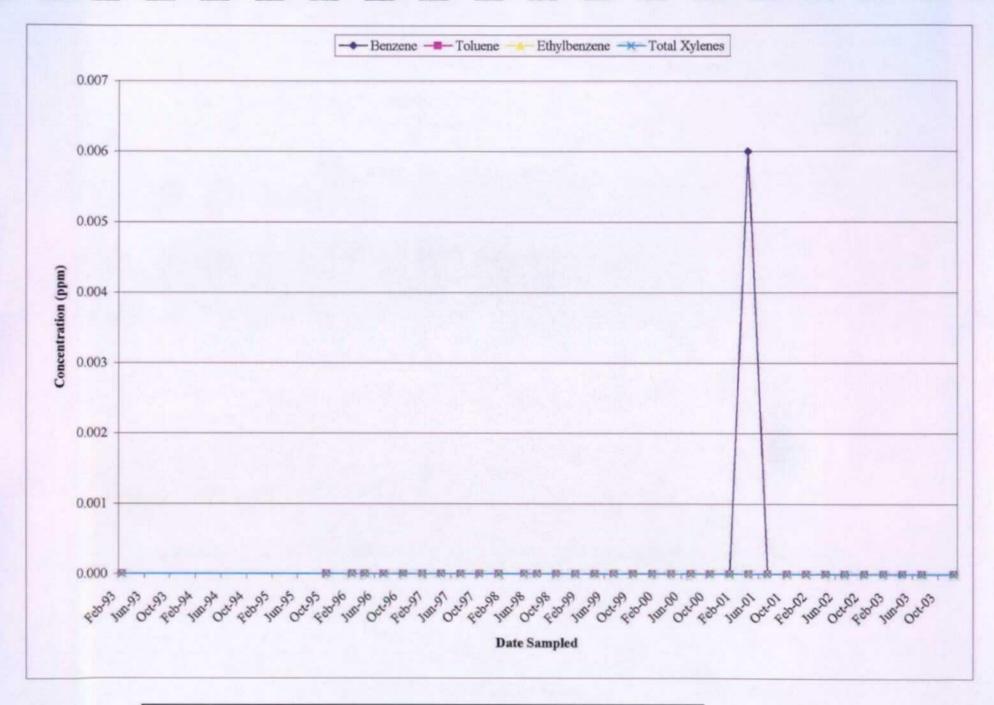


Figure 7: BTEX Concentrations for Groundwater Monitoring Well MW-4, Link Energy Lea Station, Lea County New Mexico, from 02/16/93 through 12/18/03.

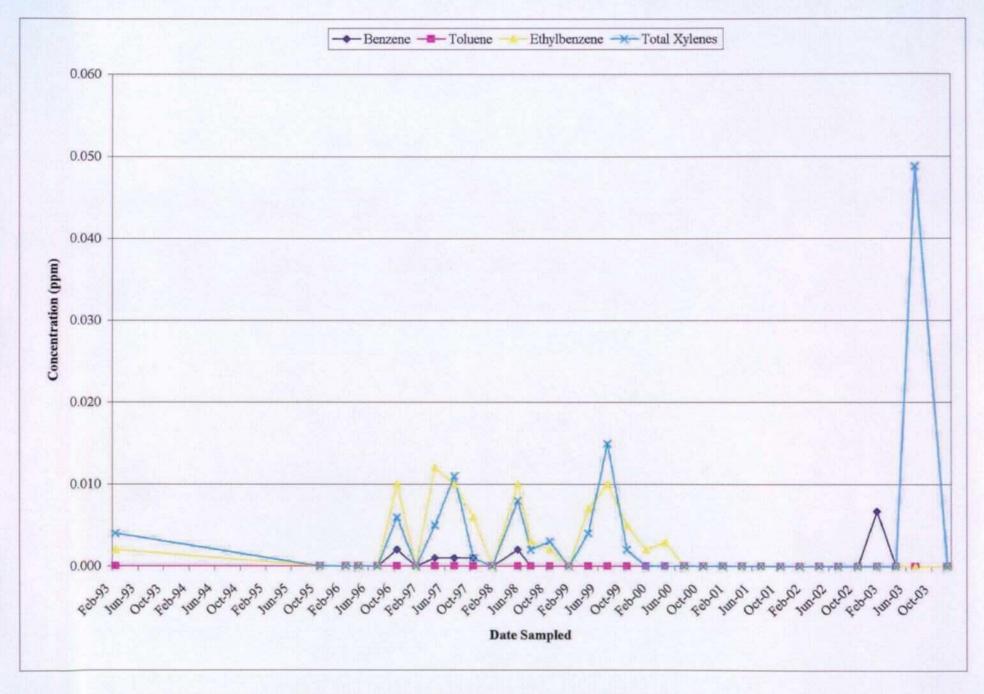


Figure 8: BTEX Concentrations for Groundwater Monitoring Well MW-5, Link Energy Lea Station, Lea County New Mexico, from 02/16/93 through 12/18/03.

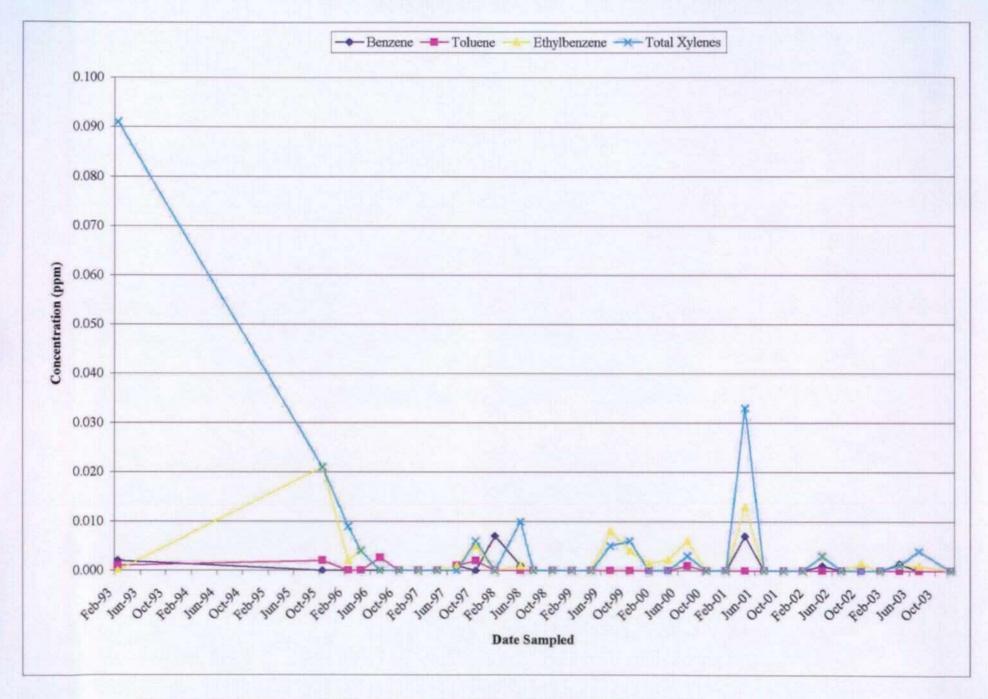


Figure 9: BTEX Concentrations for Groundwater Monitoring Well MW-6, Link Energy Lea Station, Lea County New Mexico, from 02/16/93 through 12/18/03.

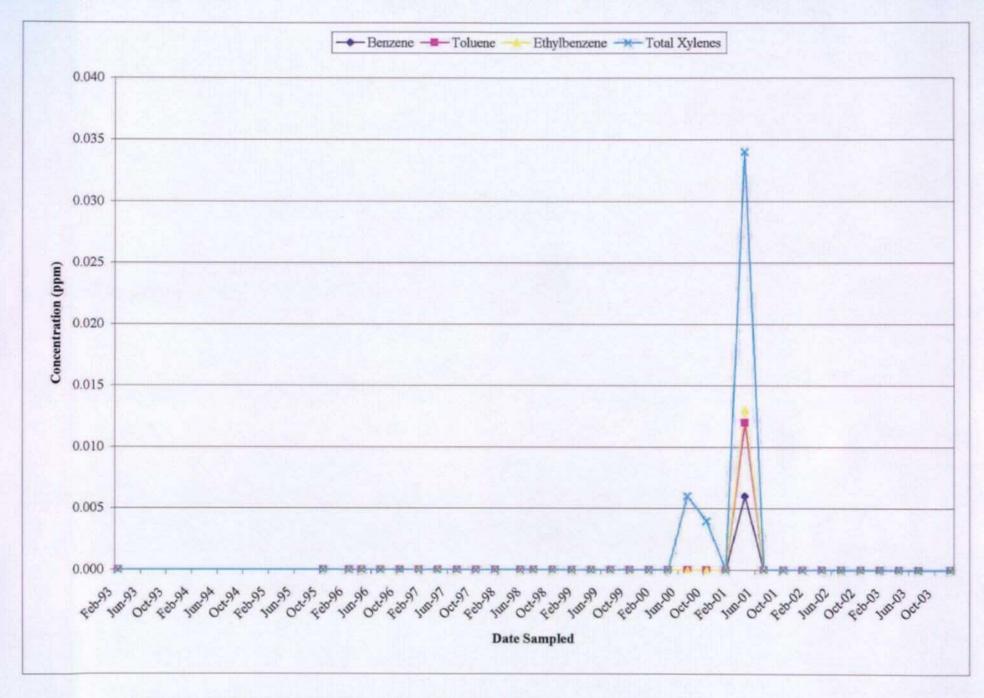


Figure 10: BTEX Concentrations for Groundwater Monitoring Well MW-7, Link Energy Lea Station, Lea County New Mexico, from 02/16/93 through 12/18/03.

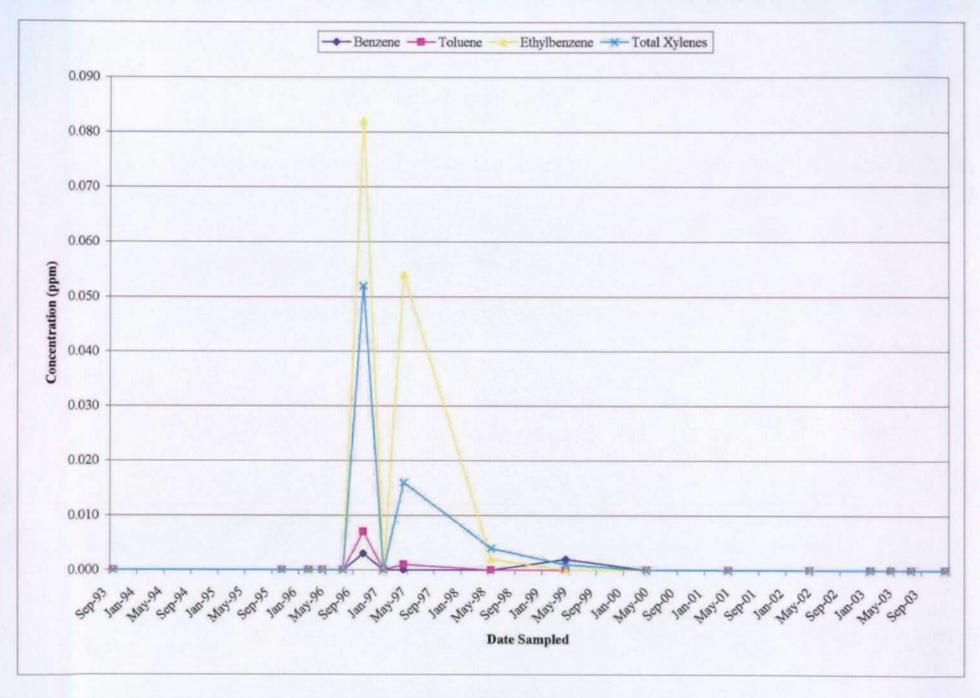


Figure 11: BTEX Concentrations for Groundwater Monitoring Well MW-8, Link Energy Lea Station, Lea County New Mexico, from 09/30/93 through 12/18/03.

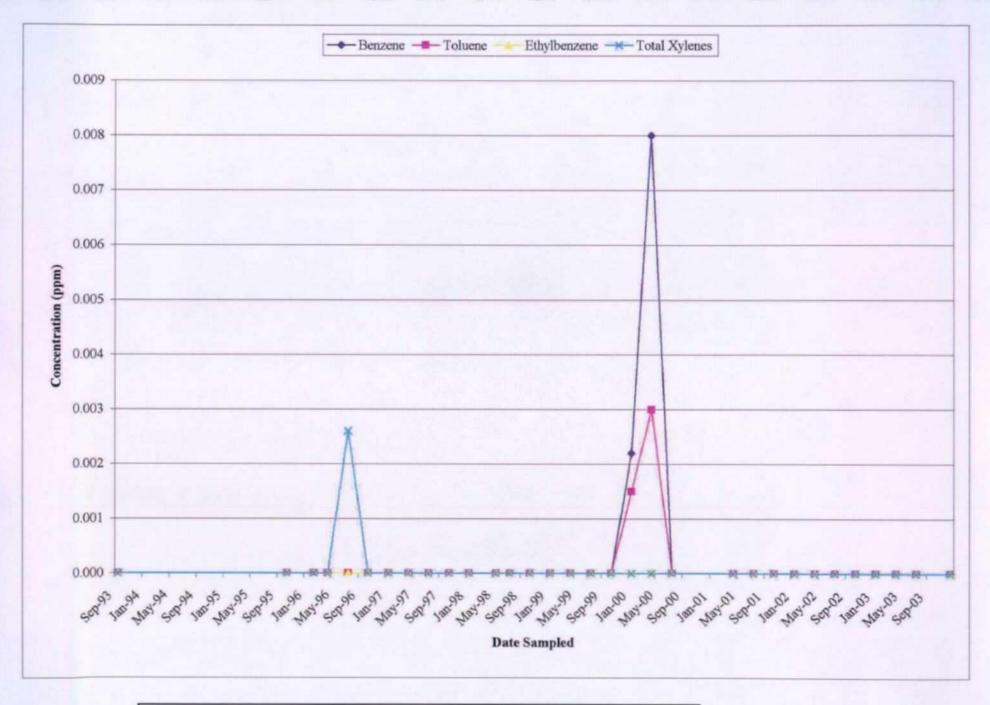


Figure 12: BTEX Concentrations for Groundwater Monitoring Well MW-9, Link Energy Lea Station, Lea County New Mexico, from 09/30/93 through 12/18/03.

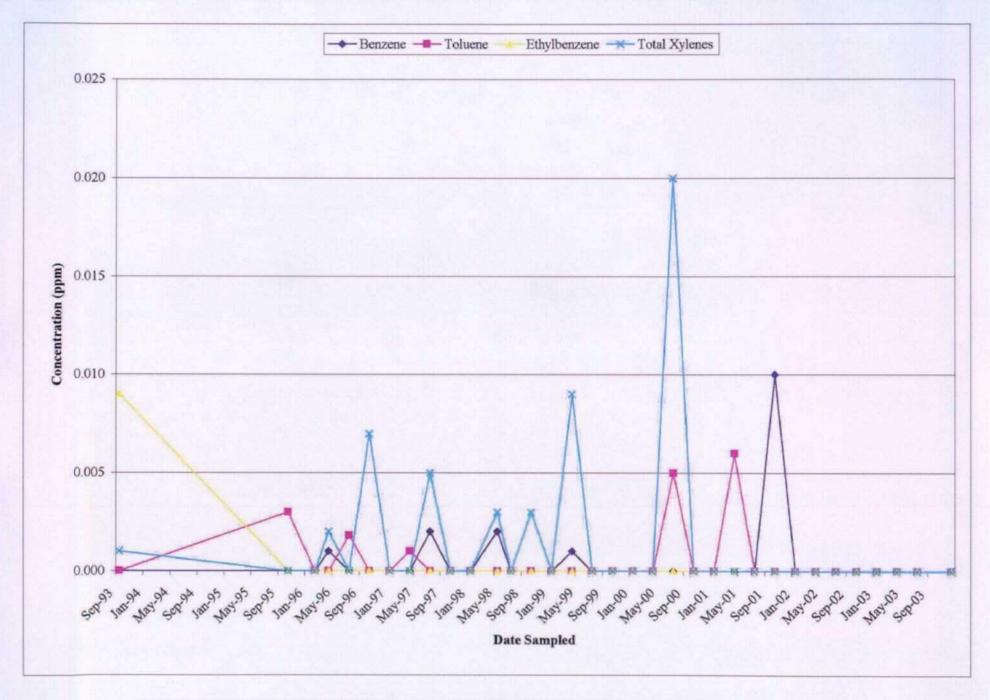


Figure 13: BTEX Concentrations for Groundwater Monitoring Well MW-10, Link Energy Lea Station, Lea County New Mexico, from 09/30/93 through 12/18/03.

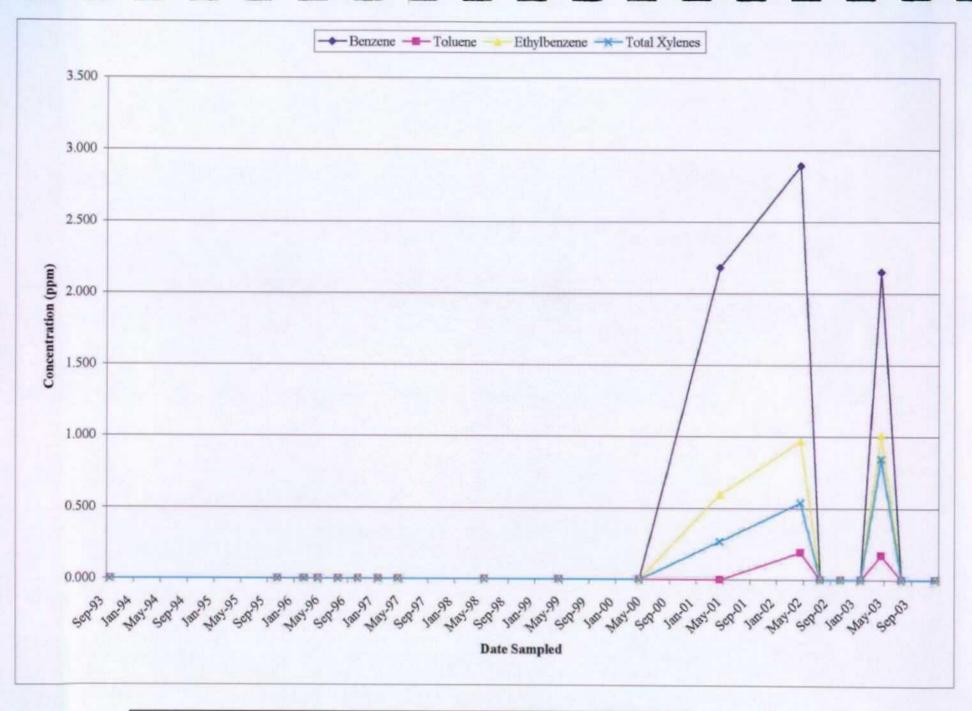


Figure 14: BTEX Concentrations for Groundwater Monitoring Well MW-11, Link Energy Lea Station, Lea County New Mexico, from 09/30/93 through 12/18/03.

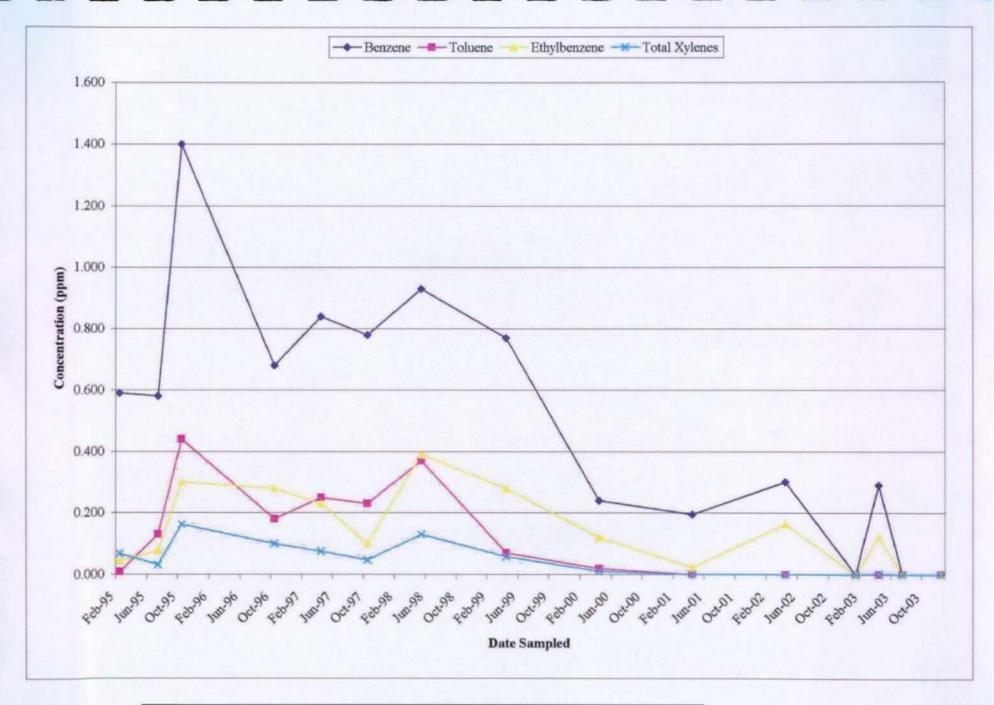


Figure 15: BTEX Concentrations for Groundwater Monitoring Well MW-12, Link Energy Lea Station, Lea County New Mexico, from 02/10/95 through 12/18/03.

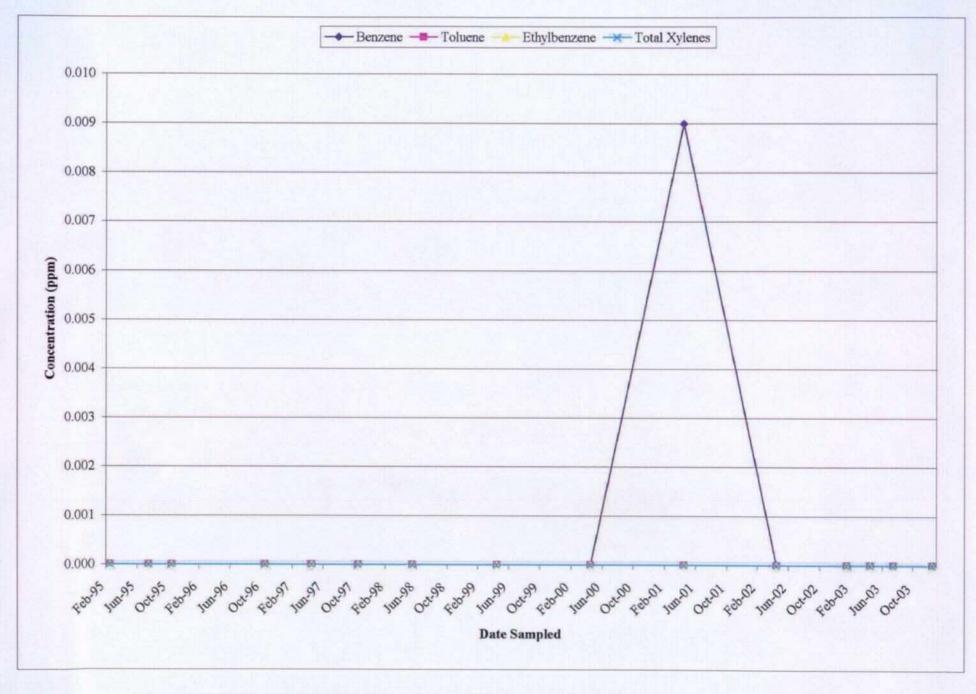


Figure 16: BTEX Concentrations for Groundwater Monitoring Well MW-13, Link Energy Lea Station, Lea County New Mexico, from 02/10/95 through 12/18/03.

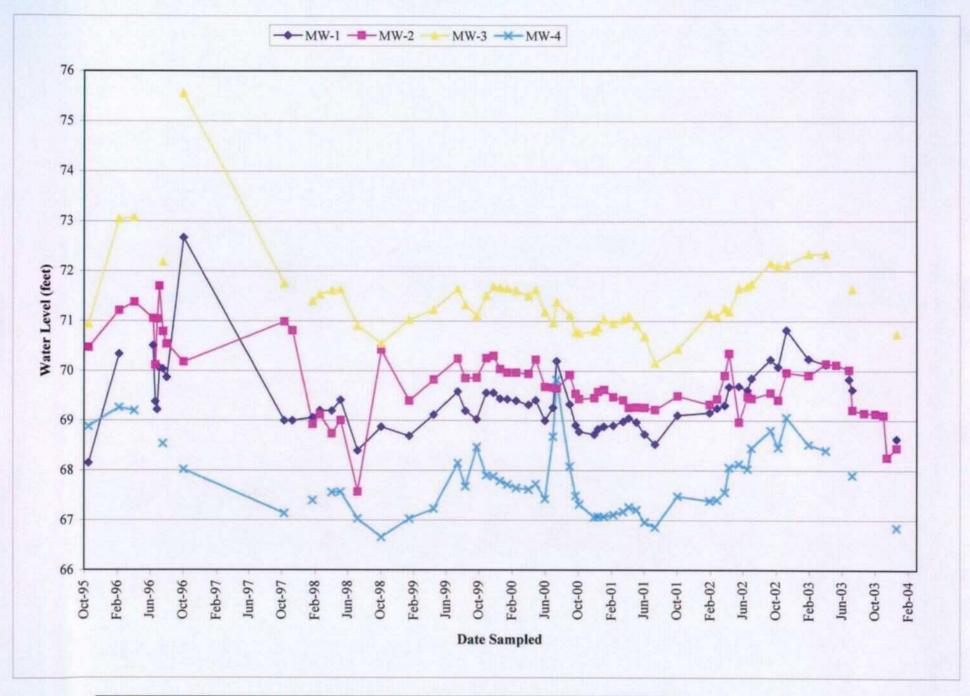


Figure 17: Hydrograph for Monitoring Wells MW-1 through MW-4, Link Energy Lea Station, Lea County New Mexico, from 10/17/95 through 12/18/03.

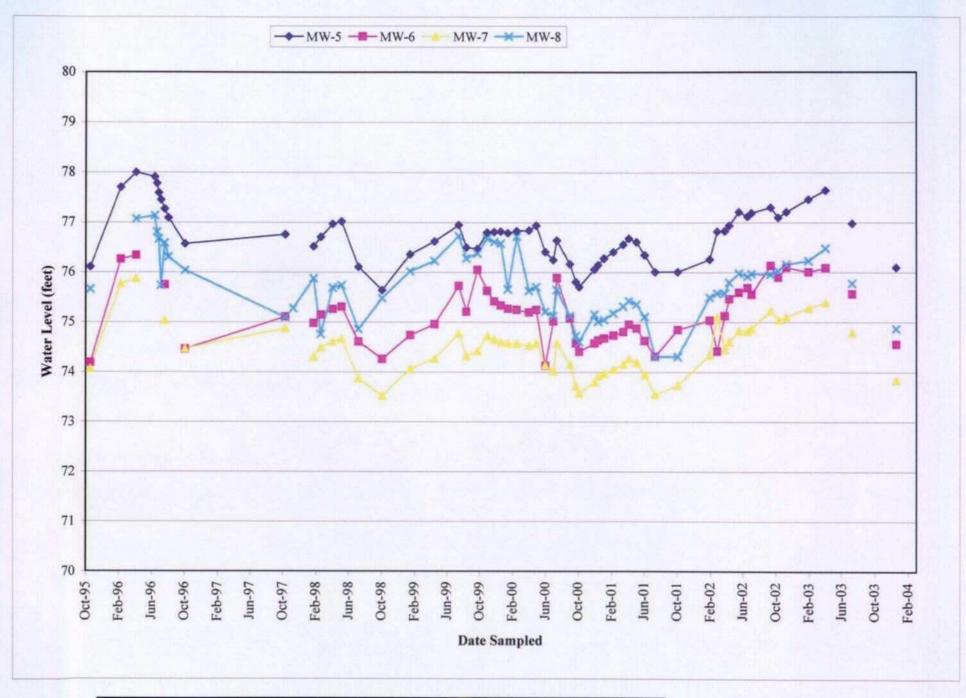


Figure 18: Hydrograph for Monitoring Wells MW-5 through MW-8, Link Energy Lea Station, Lea County New Mexico, from 10/17/95 through 12/18/03.

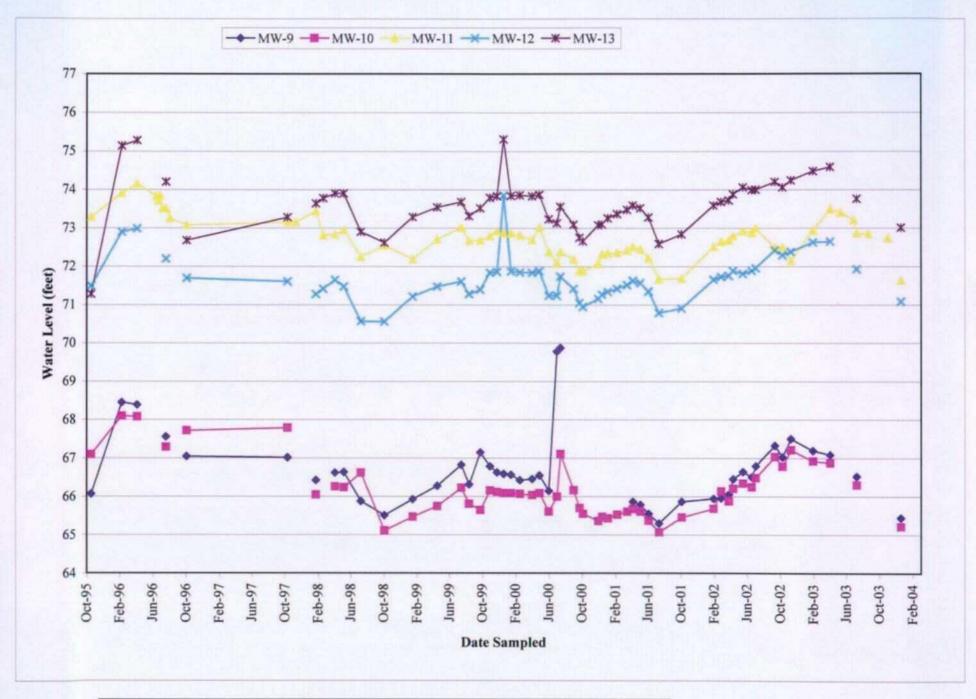


Figure 19: Hydrograph for Monitoring Wells MW-9 through MW-13, Link Energy Lea Station, Lea County New Mexico, from 10/17/95 through 12/18/03.

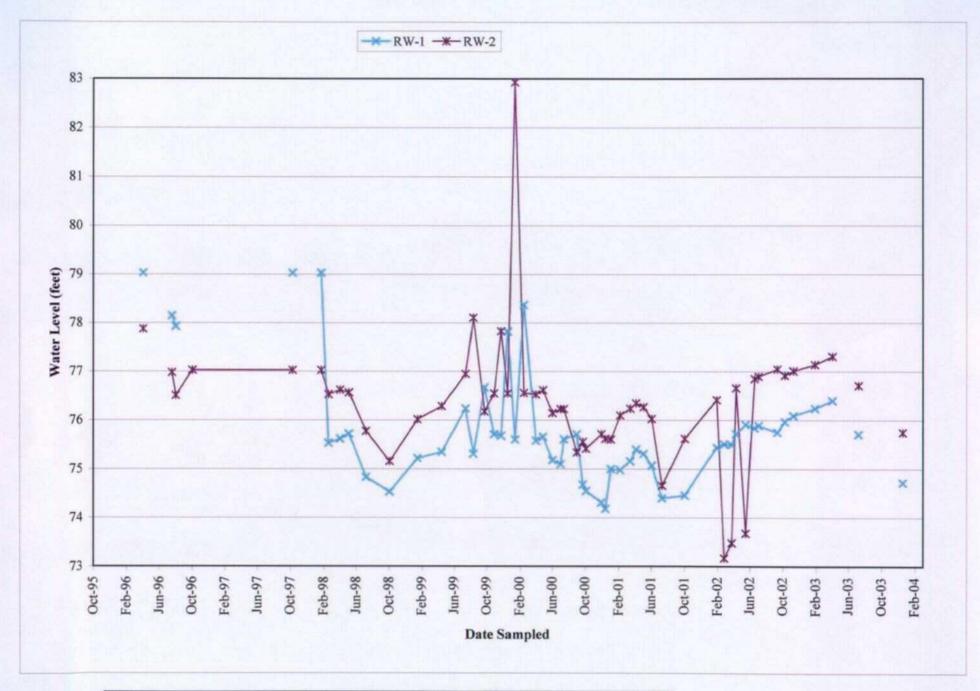
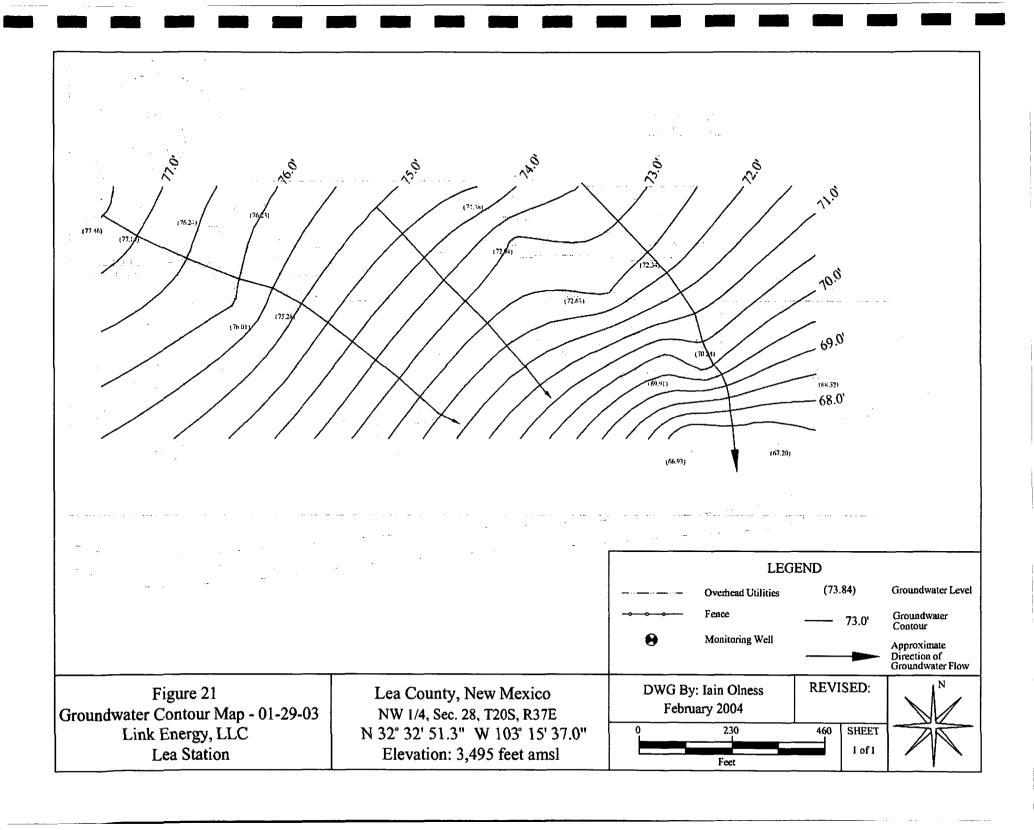
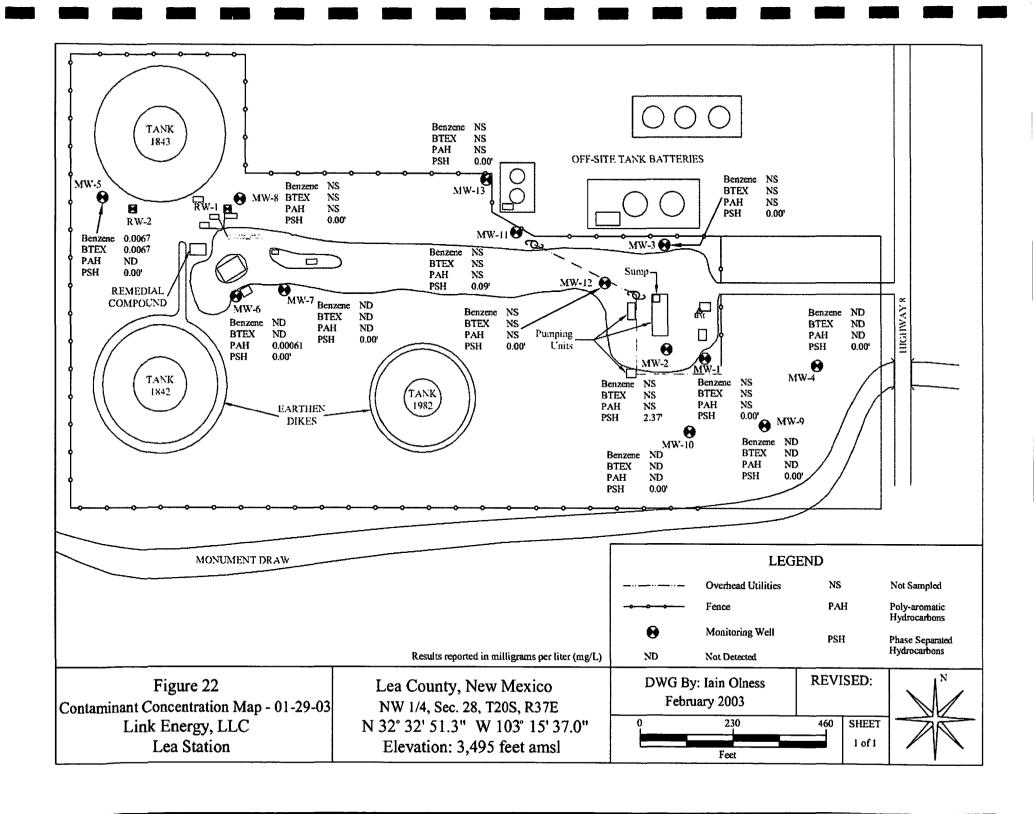
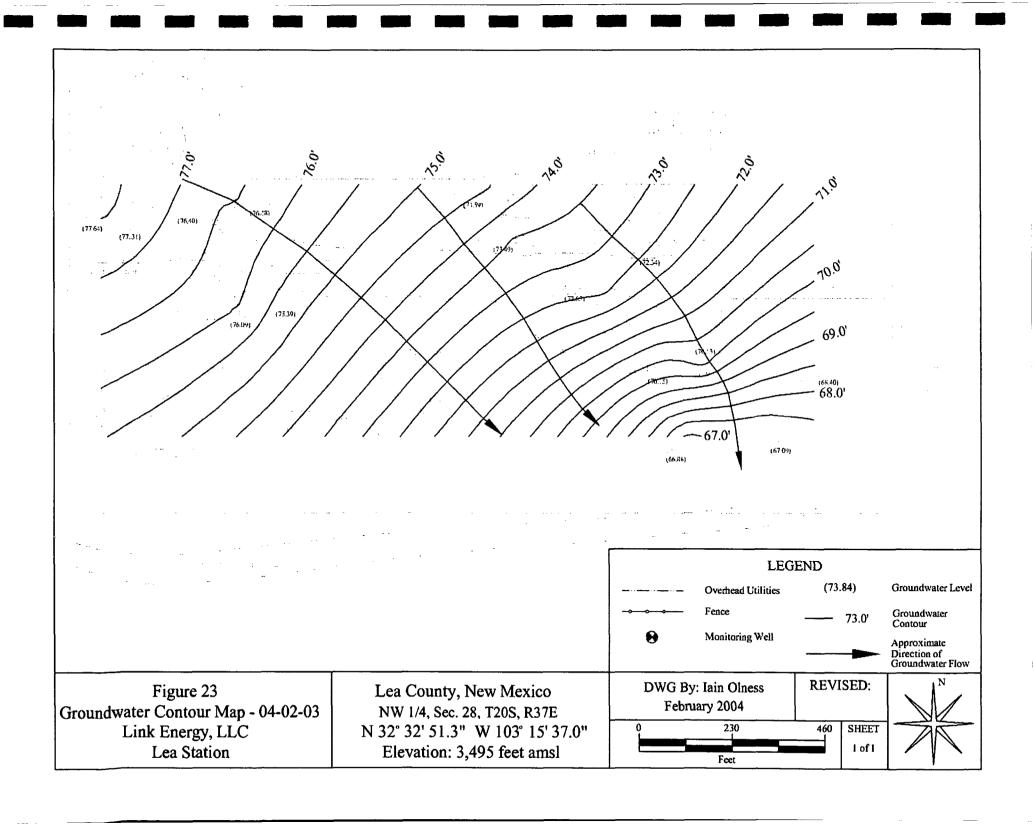
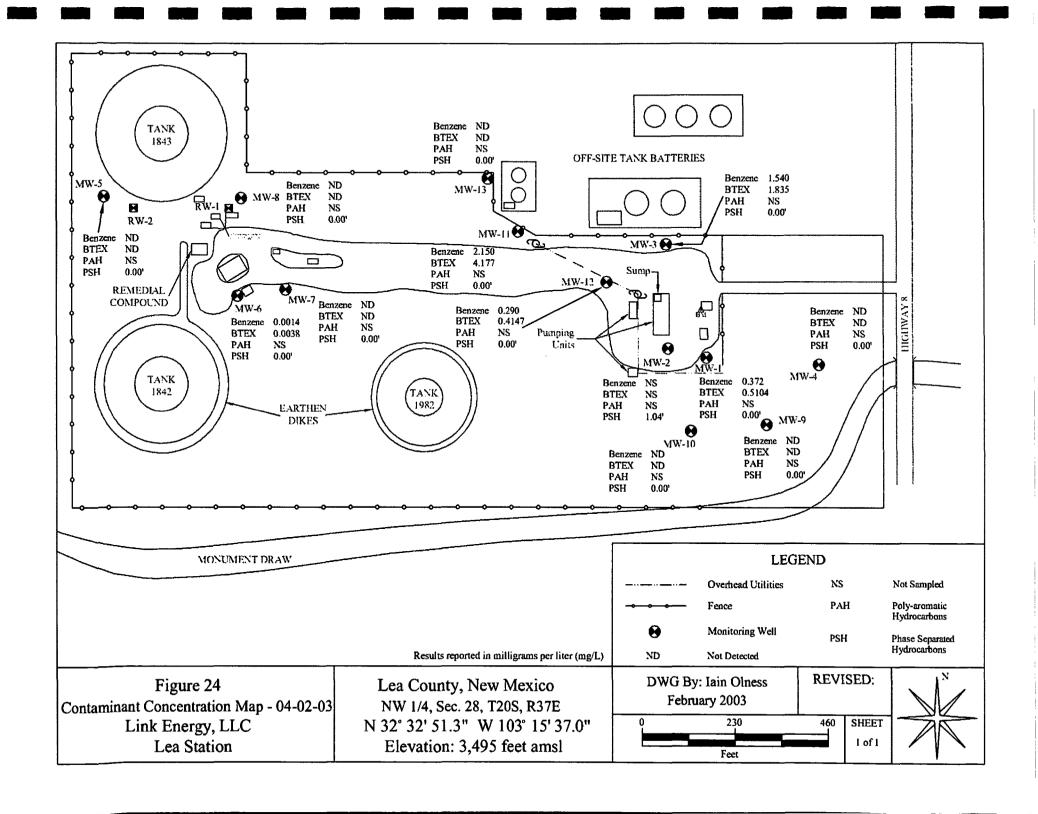


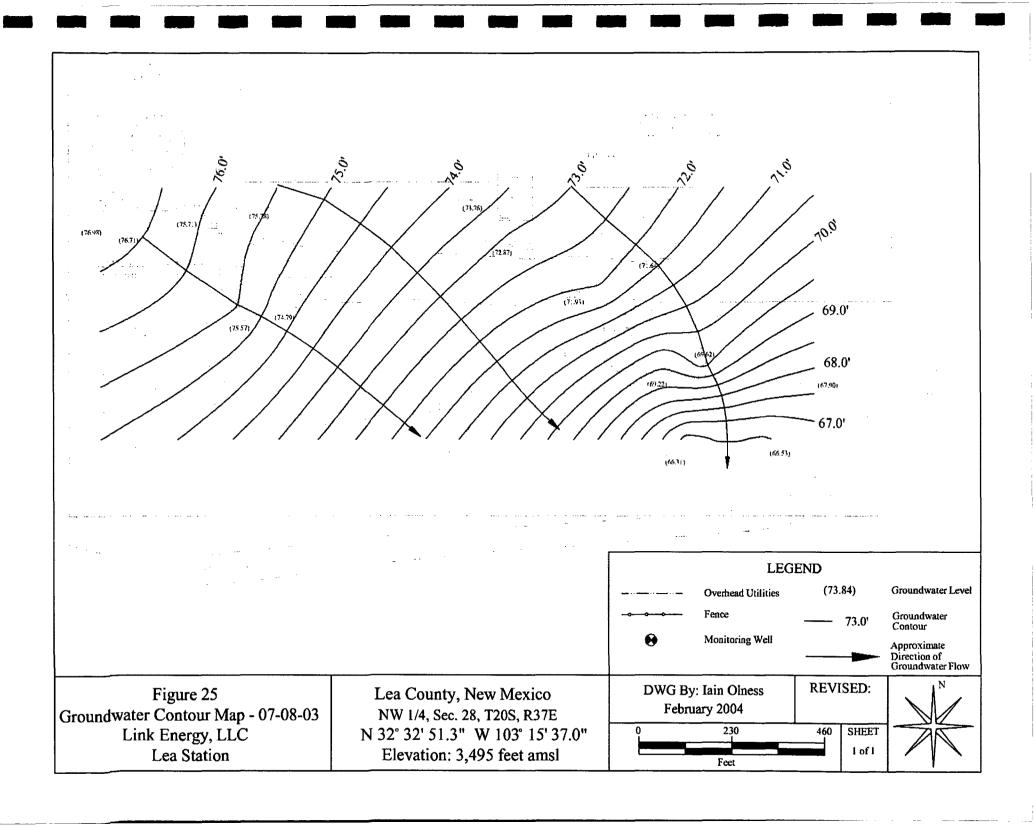
Figure 20: Hydrograph for Recovery Wells RW-1 and RW-2, Link Energy Lea Station, Lea County New Mexico, from 10/17/95 through 12/18/03.

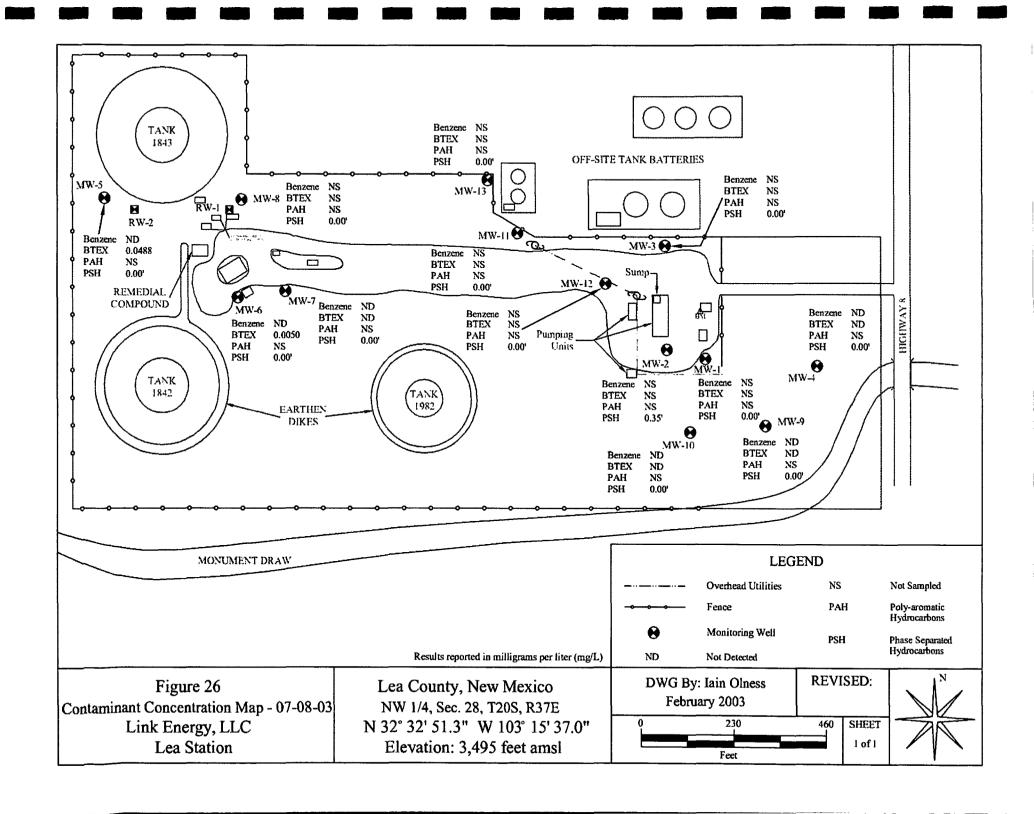


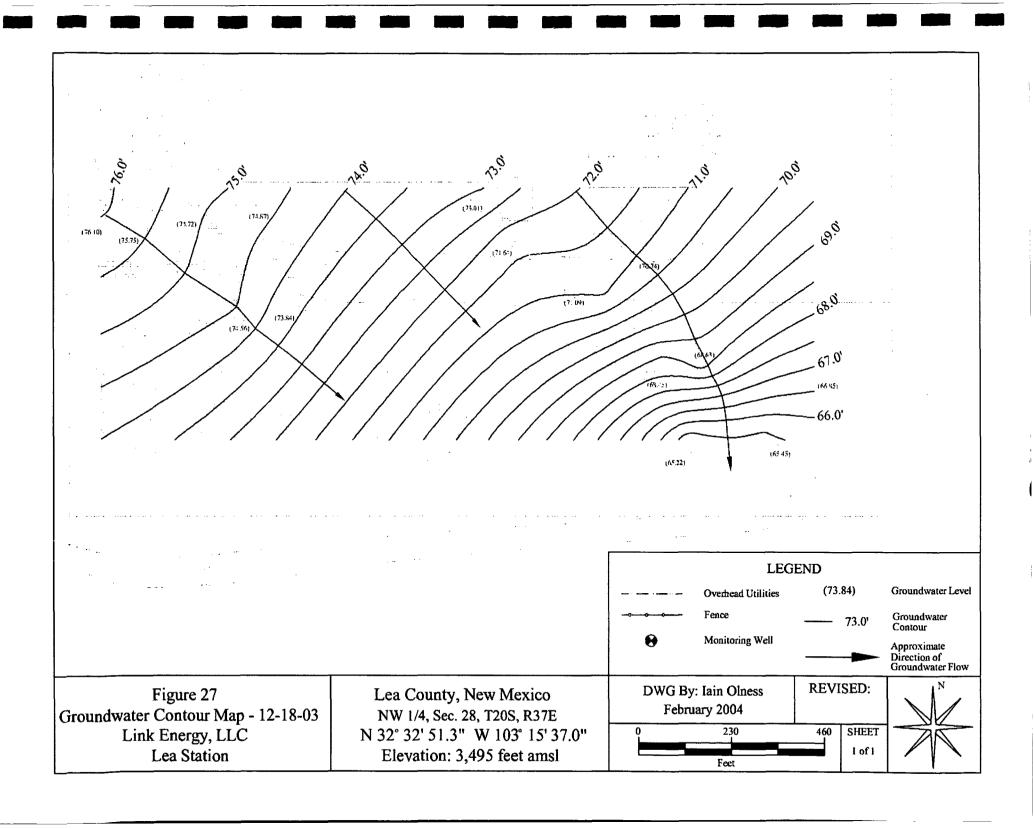


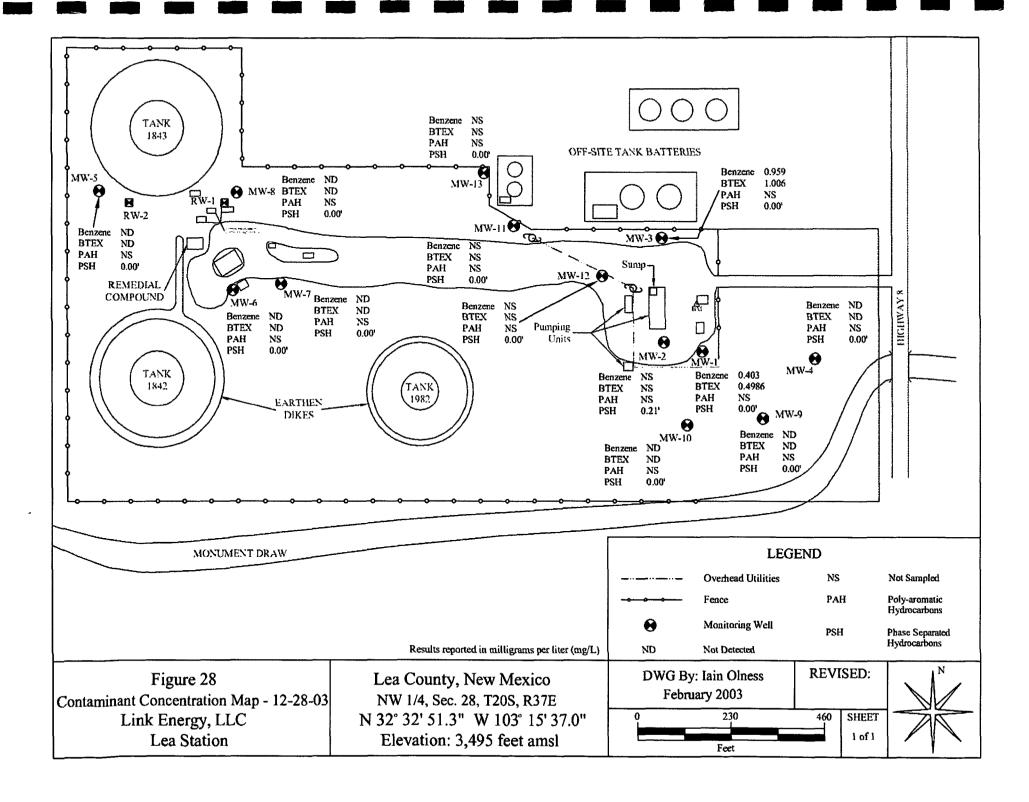












TABLES

TABLE I
LEA STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES
AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged		Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-1	10/17/95	98.88	100.73	32.52	33.16	68.15	0.64			
	02/07/96			30.39	30.39	70.34	0.00			
	04/03/96		1							
	06/12/96			30.22	30.22	70.51	0.00			
	06/20/96			31.35	31.35	69.38	0.00			
	06/27/96			31.51	31.51	69.22	0.00			
	07/05/96			30.67	30.67	70.06	0.00			
	07/18/96			30.69	30.69	70.04	0.00			
	08/01/96			30.86	30.86	69.87	0.00			
	10/02/96			28.06	28.06	72.67	0.00			
	10/09/97			31.73	31.73	69.00	0.00	0.25		Absorptive Boom
	11/08/97	98.88	100.73		31.73	69.00	0.00	0.10	12.96	Absorptive Boom/Hand Bail
	01/22/98			31.65	31.84	69.06	0.19		12.96	
	02/18/98			31.52	31.60	69.20	0.08		12.96	
	04/02/98			31.51	31.74	69.20	0.23	2.50	15.46	Absorptive Boom/Hand Bail
	05/05/98			31.31	31.37	69.41	0.06	2.50	17.96	Absorptive Boom/Hand Bail
	07/07/98			32.30	32.64	68.40	0.34	3.00	20.96	Absorptive Boom/Hand Bail
	10/02/98			31.81	32.25	68.88	0.44	2.00	22.96	Absorptive Boom/Hand Bail
	01/14/99			32.02	32.20	68.69	0.18	1.50	24.46	Absorptive Boom/Hand Bail
	04/15/99			31.57	31.98	69.12	0.41		24.46	
	07/13/99			31.10	31.55	69.59	0.45	1.50	25.96	Absorptive Boom/Hand Bail
	08/11/99			31.48	32.00	69.20	0.52	1.50	27.46	Absorptive Boom/Hand Bail
	09/22/99		1	31.68	31.90	69.03	0.22	0.25	27.71	Absorptive Boom/Hand Bail
	10/28/99 11/23/99]	31.16	31.26	69.56	0.10	1.75	29.46	Absorptive Boom/Hand Bail
	12/17/99			31.16	31.26 31.29	69.56 69.44	0.10 0.00	0.25 0.25	29.71	Absorptive Boom
	01/13/00				31.29	69.43	0.00	0.25	29.96 30.21	Absorptive Boom
	02/15/00				31.33	69.40	0.00	0.25	29.46	Absorptive Boom Absorptive Boom
	03/31/00		Į.		31.33	69.32	0.00	0.25	30.46	
	04/27/00				31.41	69.41	0.00	0.25	30.46	Absorptive Boom Absorptive Boom
	05/31/00				31.32	69.00	0.00	0.25	30.46	Absorptive Boom Absorptive Boom
	06/30/00]		31.73	69.26	0.00	0.43	30.71	Absorptive Boom Absorptive Boom
	07/13/00				30.53	70.20	0.00	0.25	30.71	Absorptive Boom Absorptive Boom
	08/30/00	ļ			30.33	69.33	0.00	0.23	30.96	Absorptive Boom
	09/21/00				31.82	68.91	0.00		30.96	Absorptive Boom
	10/03/00				31.95	68.78	0.00		30.96	Absorptive Boom

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-1	11/29/00			32.00	32.07	68.72	0.07	0.25	31.21	Absorptive Boom
(cont.)	12/13/00				31.90	68.83	0.00	0.25	31.46	Absorptive Boom
	01/03/01				31.85	68.88	0.00	0.25	31.71	Absorptive Boom
	02/06/01				31.83	68.90	0.00	0.25	31.96	Absorptive Boom
	03/15/01				31.75	68.98	0.00	0.25	32.21	Absorptive Boom
	04/05/01				31.68	69.05	0.00	0.25	32.46	Absorptive Boom
	05/03/01				31.76	68.97	0.00	0.25	32.71	Absorptive Boom
	06/02/01				32.00	68.73	0.00	0.25	32.96	Absorptive Boom
	07/10/01			32.19	32.32	68.53	0.13	0.25	33.21	Absorptive Boom
	10/02/01			31.62	31.63	69.11	0.01	0.50	33.71	Absorptive Boom
	01/28/02			•	31.57	69.16	0.00	0.25	33.96	Absorptive Boom
	02/25/02				31.48	69.25	0.00	0.25	34.21	Absorptive Boom
	03/25/02				31.42	69.31	0.00	0.00	34.21	Absorptive Boom
	04/10/02				31.05	69.68	0.00	0.00	34.21	Absorptive Boom
	05/16/02				31.04	69.69	0.00	0.00	34.46	Absorptive Boom
	06/17/02				31.12	69.61	0.00	0.00	34.46	Absorptive Boom
	07/02/02				30.88	69.85	0.00	0.00	34.46	Absorptive Boom
	09/10/02				30.50	70.23	0.00	0.00	34.46	Absorptive Boom
	10/08/02				30.65	70.08	0.00	0.00	34.46	Absorptive Boom
	11/08/02				29.91	70.82	0.00	0.00	34.46	Absorptive Boom
	01/28/03				30.49	70.24	0.00	0.00	34.46	Absorptive Boom
	04/02/03 05/10/03				30.60	70.13	0.00	0.00	34.46	Absorptive Boom
	06/26/03				30.90	69.83	0.00	0.50	34.96	Absorptive Boom
	07/08/03				31.11	69.62	0.00	0.00	34.46	Absorptive Boom
	08/20/03				"	07.02	0.00	0.00	"""	7 tosorpa ve Boom
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				32.10	68.63	0.00	0.00	34.46	Absorptive Boom
MW-2	10/17/95	100.78	102.37	31.89	32.04	70.47	0.15	0.00		
	02/07/96			31.14	31.38	71.21	0.24	0.00		
	04/03/96			30.96	31.29	71.38	0.33	0.00		
	06/12/96				31.32	71.05	0.00	0.00	ĺ	
	06/20/96				32.25	70.12	0.00	0.00		
	06/27/96				31.33	71.04	0.00	0.00		

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-2	07/05/96				30.67	71.70	0.00	0.00		
(cont.)	07/18/96				31.58	70. 7 9	0.00	0.00		
	08/01/96				31.83	70.54	0.00	0.00		
	10/02/96			32.13	32.71	70.18	0.58	0.00		
	10/09/97				31.38	70.99	0.00	0.00		Absorptive Boom/Hand Bail
	11/08/97	100.78	102.37		31.56	70.81	0.00	0.05	10.25	Absorptive Boom/Hand Bail
	01/22/98			33.34	34.37	68.93	1.03	0.50	10.75	Absorptive Boom/Hand Bail
	02/18/98			33.15	34.14	69.12	0.99	0.50	11.25	Absorptive Boom/Hand Bail
	04/02/98			33.51	34.72	68.74	1.21	2.00	13.25	Absorptive Boom/Hand Bail
	05/05/98			33.26	34.28	69.01	1.02	2.00	15.25	Absorptive Boom/Hand Bail
1	07/07/98			34.62	36.44	67.57	1.82	3.00	18.25	Absorptive Boom/Hand Bail
	10/02/98			31.81	33.13	70.43	1.32	2.00	20.25	Absorptive Boom/Hand Bail
	01/14/99			32.83	34.23	69.40	1.40		20.25	Absorptive Boom/Hand Bail
:	04/15/99			32.36	34.20	69.83	1.84		20.25	
	07/13/99			31.88	34.30	70.25	2.42	4.00	24.25	Hand Bail
	08/11/99			32.27	34.70	69.86	2.43	3.50	27.75	Hand Bail
	09/22/99			32.32	34.14	69.87	1.82	2.50	30.25	Hand Bail
	10/28/99			31.98	33.30	70.26	1.32	2.00	32.25	Hand Bail
	11/23/99			31.93	33.28	70.31	1.35	2.00	34.25	Absorptive Boom/Hand Bail
	12/17/99			32.26	32.94	70.04	0.68	1.25	35.50	Absorptive Boom/Hand Bail
	01/13/00			32.31	33.20	69.97	0.89	1.50	37.00	Absorptive Boom/Hand Bail
	02/15/00			32.30	33.30	69.97	1.00	0.50	37.50	Absorptive Boom/Hand Bail
	03/31/00			32.28	33.73	69.95	1.45	1.00	38.50	Absorptive Boom/Hand Bail
İ	04/27/00			32.01	33.31	70.23	1.30	1.50	40.00	Absorptive Boom/Hand Bail
	05/31/00			32.49	34.48	69.68	1.99	3.00	43.00	Absorptive Boom/Hand Bail
	06/30/00			32.58	33.79	69.67	1.21	2.00	45.00	Absorptive Boom/Hand Bail
	07/13/00			32.61	33.69	69.65	1.08	1.50	46.50	Absorptive Boom/Hand Bail
	08/30/00			32.27	34.03	69.92	1.76	1.50	48.00	Hand Bail
	09/21/00			32.60	34.86	69.54	2.26	3.00	51.00	Hand Bail
	10/03/00			32.80	34.12	69.44	1.32	1.50	52.50	Hand Bail
	11/29/00			32.76	34.30	69.46	1.54	2.50	55.00	Hand Bail
	12/13/00			32.70	33.58	69.58	0.88	0.50	55.50	Absorptive Boom/Hand Bail
	01/03/01	}		32.68	33.33	69.63	0.65	0.50	56.00	Absorptive Boom/Hand Bail
	02/06/01			32.79	33.83	69.48	1.04	0.50	56.50	Absorptive Boom/Hand Bail
	03/15/01			32.85	33.91	69.41	1.06	0.50	57.00	Absorptive Boom/Hand Bail
	04/05/01			33.00	34.10	69.26	1.10	0.50	57.50	Absorptive Boom/Hand Bail

TABLE 1
LEA STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES
AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-2	05/03/01			32.98	34.16	69.27	1.18	0.50	58.00	Absorptive Boom/Hand Bail
(cont.)	06/02/01			32.91	34.86	69.27	1.95	0.50	58.50	Absorptive Boom/Hand Bail
	07/10/01			32.89	35.50	69.22	2.61	1.50	59.00	Absorptive Boom/Hand Bail
	10/02/01			32.69	34.52	69.50	1.83	1.50	59.50	Absorptive Boom/Hand Bail
	01/28/02			32.90	34.34	69.33	1.44	1.50	60.00	Absorptive Boom/Hand Bail
	02/25/02			32.80	34.14	69.44	1.34	1.00	60.00	Hand Bail
	03/25/02			32.29	33.99	69.91	1.70	1.50	61.00	Hand Bail
	04/10/02			31.83	33.72	70.35	1.89	0.00	60.00	Installed passive skimmer
	05/16/02			33.32	34.14	68.97	0.82	3.00	63.00	Skimmer
	06/17/02			32.80	33.70	69.48	0.90	1.50	62.50	Skimmer
	07/02/02			32.91	33.03	69.45	0.12	2.50	62.50	Skimmer
	09/10/02			32.65	34.29	69.56	1.64	0.50	63.50	Skimmer
	10/08/02			32.80	34.38	69.41	1.58	0.50	63.00	Skimmer
	11/08/02			32.20	34.25	69.97	2.05	0.50	63.00	Skimmer
	01/28/03			32.22	34.59	69.91	2.37	2.50	66.00	Skimmer
	04/02/03			32.12	33.16	70.15	1.04	5.50	71.50	Skimmer
	05/10/03			32.15	33.12	70.12	0.97	4.50	76.00	Skimmer
	06/26/03			32.16	34.06	70.02	1.90	3.00	79.00	Skimmer
	07/08/03			33.12	33.47	69.22	0.35	3.00	82.00	Skimmer
	08/20/03			33.20	33.41	69.15	0.21	2.50	84.50	Skimmer
	09/30/03			33.19	33.65	69.13	0.46	2.50	87.00	Skimmer
	10/31/03			33.25	33.41	69.10	0.16	2.50	89.50	Skimmer
	11/12/03			34.10	34.23	68.26	0.13	0.50	90.00	Skimmer
	12/18/03			33.90	34.11	68.45	0.21	0.41	90.41	Skimmer
MW-3	10/17/95	101.79	103.61		32.67	70.94	0.00	0.00		
	02/07/96				30.57	73.04	0.00	0.00		
	04/03/96				30.54	73.07	0.00	0.00		
	06/12/96							0.00		
	06/20/96							0.00		
	06/27/96							0.00		
	07/05/96							0.00		
	07/18/96				31.43	72.18	0.00	0.00		
	08/01/96							0.00		
	10/02/96				28.06	75.55	0.00	0.00		
	10/09/97				31.86	71.75	0.00	0.00		
	11/08/97	101.79	103.61					0.00		No PSH

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-3	01/22/98				32.21	71.40	0.00	0.00		
(cont.)	02/18/98				32.08	71.53	0.00	0.00		
	04/02/98				32.00	71.61	0.00	0.00		
	05/05/98				31.98	71.63	0.00	0.00		
	07/07/98				32.70	70.91	0.00	0.00		
	10/02/98				33.06	70.55	0.00	0.00		
	01/14/99			32.58	32.65	71.02	0.07	0.50	0.50	Absorptive Boom
	04/15/99			32.36	32.56	71.23	0.20	0.50	1.00	Absorptive Boom
	07/13/99			31.94	32.19	71.65	0.25	0.50	1.50	Absorptive Boom
	08/11/99			32.26	32.54	71.32	0.28	0.50	2.00	Absorptive Boom
	09/22/99			32.49	32.61	71.11	0.12	0.25	2.25	Absorptive Boom
	10/28/99			32.10	32.12	71.51	0.02	0.25	2.50	Absorptive Boom
	11/23/99				31.92	71.69	0.00	0.25	2.75	Absorptive Boom
	12/17/99				31.94	71.67	0.00	0.25	3.00	Absorptive Boom
	01/13/00				31.96	71.65	0.00	0.25	3.25	Absorptive Boom
	02/15/00				32.00	71.61	0.00	0.25	2.00	Absorptive Boom
	03/31/00				32.10	71.51	0.00		3.25	Absorptive Boom
	04/27/00				31.98	71.63	0.00	0.25	3.50	PSH droplets present during purge
	05/31/00				32.43	71.18	0.00		3.50	Absorptive Boom
	06/30/00				32.65	70.96	0.00	0.25	3.75	Absorptive Boom
	07/13/00				32.23	71.38	0.00		3.75	Absorptive Boom
	08/30/00				32.49	71.12	0.00	0.05	3.75	Absorptive Boom
	09/21/00				32.83	70.78	0.00	0.25	4.00	Absorptive Boom
	10/03/00 11/29/00				32.85	70.76	0.00		4.00	Absorptive Boom
	12/13/00				32.81	70.80	0.00	0.25	4.00	Absorptive Boom
	01/03/01				32.74 32.57	70.87 71.04	0.00	0.25	4.25	Absorptive Boom
	02/06/01				32.57	71.04 70.96	0.00 0.00	0.05	4.25	Absorptive Boom
	02/06/01				32.58	70. 96 71.03	0.00	0.25	4.50	Absorptive Boom
	04/05/01			32.50	32.56	71.03 71.10	0.00	0.25	4.50 4.75	Absorptive Boom
	05/03/01			32.30	32.68	71.10 70.93	0.11	V.23	4.75 4.75	Absorptive Boom
	06/02/01				32.08	70.93 70.69	0.00			Absorptive Boom
	07/10/01				33.45	70.69 70.16	0.00	0.25	4.75 5.00	Absorptive Boom
	10/02/01			33.14	33.43	70.16 70.44	0.00	0.25	5.25	Absorptive Boom
	01/28/02			32.43	33.43 32.75	70.44 71.15	0.29	0.25	5.50	Absorptive Boom
	02/25/02			32.43	32.73	71.13 71.09	0.32	0.25	5.75	Absorptive Boom Absorptive Boom

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-3	03/25/02				32.35	71.26	0.00	0.25	6.00	Absorptive Boom
(cont.)	04/10/02				32.42	71.19	0.00	0.25	6.25	Absorptive Boom
	05/16/02				31.96	71.65	0.00	0.25	6.50	Absorptive Boom
	06/17/02				31.92	71.69	0.00	0.00	6.50	Absorptive Boom
	07/02/02				31.86	71.75	0.00	0.00	6.50	Absorptive Boom
	09/10/02				31.45	72.16	0.00	0.00	6.50	Absorptive Boom
	10/08/02				31.52	72.09	0.00	0.50	7.00	Absorptive Boom
	11/08/02				31.48	72.13	0.00	0.00	7.00	Absorptive Boom
	01/28/03				31.27	72.34	0.00	0.00	7.00	Absorptive Boom
	04/02/03				31.27	72.34	0.00	0.00	7.00	Absorptive Boom
	05/10/03									
	06/26/03					Į į	į			
	07/08/03				31.97	71.64	0.00	0.00	7.00	Absorptive Boom
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				32.87	70.74	0.00	0.00	7.00	Absorptive Boom
MW-4	10/17/95	93.80	96.08		27.20	68.88	0.00			
	02/07/96				26.82	69.26	0.00			
	04/03/96				26.88	69.20	0.00			
	06/12/96									
	06/20/96									
	06/27/96						ļ			
	07/05/96				22.51					
	07/18/96				27.54	68.54	0.00			
	08/01/96 10/02/96				20.00	(0.00				
	10/02/96				28.06	68.02	0.00			
	10/09/97	93.80	96.08		28.94	67.14	0.00			N. pou
	01/22/98	93.80	90.08		Not Gauged 28.68	63.40	0.00			No PSH
	01/22/98					67.40	0.00			
	04/02/98				Not Gauged 28.52	67.56	0.00			
	04/02/98				28.52 28.51	67.56 67.57	0.00			
	05/05/98				28.31	1				
	10/02/98				29.05 29.42	67.03 66.66	0.00 0.00			
	10/02/98				29.42	00.00	0.00			

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-4	01/14/99				29.05	67.03	0.00			
(cont.)	04/15/99				28.85	67.23	0.00			
	07/13/99				27.93	68.15	0.00			
	08/11/99				28.40	67.68	0.00			
	09/22/99				27.61	68.47	0.00			
	10/28/99				28.18	67.90	0.00			
	11/23/99	'			28.20	67.88	0.00			
	12/17/99				28.29	67. 7 9	0.00			
	01/13/00				28.36	67.72	0.00			
	02/15/00				28.43	67.65	0.00			
	03/31/00				28.46	67.62	0.00			
	04/27/00				28.35	67.73	0.00			
	05/31/00				28.65	67.43	0.00			
	06/30/00			:	27.40	68.68	0.00			
	07/13/00				26.26	69.82	0.00			
	08/30/00				28.00	68.08	0.00			
	09/21/00				28.59	67.49	0.00			
	10/03/00				28.76	67.32	0.00			
	11/29/00				29.02	67.06	0.00			
	12/13/00				29.01	67.07	0.00			
	01/03/01				29.01	67.07	0.00			
	02/06/01				28.97	67.11	0.00			
	03/15/01				28.91	67.17	0.00			
	04/05/01				28.82	67.26	0.00			
	05/03/01				28.87	67.21	0.00			
	06/02/01				29.12	66.96	0.00			
	07/10/01	ľ]		29.22	66.86	0.00	,	1	
	10/02/01				28.60	67.48	0.00			
	01/28/02				28.69	67.39	0.00			
	02/25/02				28.67	67.41	0.00			
	03/25/02				28.52	67.56	0.00			
	04/10/02				28.02	68.06	0.00			
	05/16/02				27.95	68.13	0.00			
	06/17/02				28.05	68.03	0.00			
	07/02/02				27.63	68.45	0.00			
	09/10/02				27.28	68.80	0.00			

TABLE 1
LEA STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES
AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-4	10/08/02				27.62	68.46	0.00			
(cont.)	11/08/02				27.02	69.06	0.00			
	01/28/03				27.56	68.52	0.00			
	04/02/03				27.68	68.40	0.00			
	05/10/03									
	06/26/03									
	07/08/03				28.18	67.90	0.00			
	08/20/03			ı						
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				29.23	66.85	0.00			
MW-5	10/17/95	107.08	109.21	33.08	33.26	76.11	0.18			
	02/07/96				31.51	77.70	0.00			
	04/03/96			ĺ	31.21	78.00	0.00			
	06/12/96				31.30	77.91	0.00			
	06/20/96				31.43	77.78	0.00			
	06/27/96				31.62	77.59	0.00			
	07/05/96				31.76	77.45	0.00			
	07/18/96				31.94	77.27	0.00			
	08/01/96				32.12	77.09	0.00			
	10/02/96				32.64	76.57	0.00			
	10/09/97	107.00	100.21		32.45	76.76	0.00		0.70	
	11/08/97 01/22/98	107.08	109.21	22.69	22.01	76.50	0.12	1.00	8.70	
	01/22/98			32.68	32.81 32.50	76.52 76.71	0.13 0.00	1.00	9.70	Absorptive Boom
	04/02/98				32.30	76.71 76.97	0.00	0.30 0.10	10.00	Sheen, Absorptive Boom
	05/05/98				32.24	76.97 77.02	0.00	0.10	10.10	Absorptive Boom
	07/07/98		}		33.10	77.02 76.11	0.00	0.10	10.20 10.45	Absorptive Boom
	10/02/98				33.10	75.64	0.00	0.25	10.45	Absorptive Boom Absorptive Boom
	01/14/99				32.85	75.64 76.36	0.00	0.25	10.70	Absorptive Boom
	04/15/99				32.59	76.62	0.00	0.25	11.20	Absorptive Boom
	07/13/99				32.26	76.95	0.00	0.23	11.20	Absorptive Boom
	08/11/99				32.71	76.50	0.00	0.25	11.45	Absorptive Boom
	09/22/99				32.74	76.47	0.00	0.23	11.45	Absorptive Boom
	10/28/99		[32.41	76.80	0.00	0.25	11.70	Absorptive Boom

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-5	11/23/99				32.40	76.81	0.00		11.70	Absorptive Boom
(cont.)	12/17/99		ŀ		32.39	76.82	0.00	0.25	11.95	Absorptive Boom
l	01/13/00				32.42	76.79	0.00		11.95	Absorptive Boom
	02/15/00				32.38	76.83	0.00	0.25	10.20	Absorptive Boom
	03/31/00				32.37	76.84	0.00		11.95	Absorptive Boom
	04/27/00				32.27	76.94	0.00		11.95	PSH droplets present during purge
	05/31/00				32.80	76.41	0.00	0.25	12.20	Absorptive Boom
	06/30/00				32.96	76.25	0.00		12.20	Absorptive Boom
	07/13/00				32.57	76.64	0.00		12.20	Absorptive Boom
	08/30/00				33.04	76.17	0.00	0.25	12.45	Absorptive Boom
	09/21/00				33.40	75.81	0.00		12.45	Absorptive Boom
	10/03/00				33.50	75.71	0.00		12.45	Absorptive Boom
	11/29/00				33.15	76.06	0.00		12.45	Absorptive Boom
	12/13/00				33.06	76.15	0.00		12.45	Absorptive Boom
	01/03/01				32.93	76.28	0.00		12.45	Absorptive Boom
	02/06/01				32.80	76.41	0.00		12.45	Absorptive Boom
	03/15/01				32.65	76.56	0.00		12.45	Absorptive Boom
	04/05/01				32.53	76.68	0.00		12.45	Absorptive Boom
	05/03/01				32.60	76.61	0.00		12.45	Absorptive Boom
	06/02/01				32.86	76.35	0.00		12.45	Absorptive Boom
	07/10/01				33.20	76.01	0.00		12.45	Absorptive Boom
	10/02/01				33.20	76.01	0.00		12.45	Absorptive Boom
	01/28/02				32.95	76.26	0.00		12.45	Absorptive Boom
1	02/25/02				32.39	76.82	0.00		12.45	Absorptive Boom
	03/25/02				32.38	76.83	0.00		12.45	Absorptive Boom
	04/10/02				32.27	76.94	0.00		12.45	Absorptive Boom
	05/16/02				32.00	77.21	0.00		12.45	Absorptive Boom
	06/17/02				32.09	77.12	0.00		12.45	Absorptive Boom
	07/02/02				32.02	77.19	0.00		12.45	Absorptive Boom
	09/10/02				31.91	77.30	0.00		12.45	Absorptive Boom
	10/08/02				32.11	77.10	0.00		12.45	Absorptive Boom
	11/08/02				32.00	77.21	0.00		12.45	Absorptive Boom
	01/28/03				31.75	77.46	0.00		12.45	Absorptive Boom
	04/02/03				31.57	77.64	0.00		12.45	Absorptive Boom
	05/10/03									·
	06/26/03									

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-5	07/08/03				32.23	76.98	0.00		12.45	Absorptive Boom
(cont.)	08/20/03]					
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				33.11	76,10	0.00		12.45	Absorptive Boom
MW-6	10/17/95	103.66	106.26		32.07	74.19	0.00			
	02/07/96			29.87	31.15	76.26	1.28			
	04/03/96			29.78	31.15	76.34	1.37			
	06/12/96									
	06/20/96				:					
	06/27/96									
	07/05/96									
	07/18/96				30.51	75.75	0.00			
	08/01/96		1			_,				
	10/02/96				31.80	74.46	0.00			
	10/09/97	102.66	10000		31.15	75.11	0.00			
	11/08/97	103.66	106.26		21.00	7100	2.02			No PSH
	01/22/98				31.28	74.98	0.00			
	02/18/98				31.11	75.15	0.00			
	04/02/98				31.00	75.26	0.00			
	05/05/98				30.95	75.31	0.00			
	07/07/98 10/02/98				31.65 32.00	74.61	0.00			
	01/14/99				32.00	74.26 74.74	0.00			
	04/15/99				31.32	74.74 74.96	0.00 0.00			
	07/13/99				30.53	74.96 75.73	0.00			
	08/11/99				31.05	75.73 75.21	0.00			
	09/22/99				30.21	76.05	0.00			
	10/28/99]		30.63	75.63	0.00			
	11/23/99				30.84	75.63 75.42	0.00			
	12/17/99				30.84	75.42 75.34	0.00			
	01/13/00				30.92	75.27	0.00			
	02/15/00				31.01	75.27 75.25	0.00			
	03/31/00				31.06	75.20	0.00			
	04/27/00		(31.00	75.25	0.00			l

TABLE 1
LEA STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES
AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-6	05/31/00				32.13	74.13	0.00			
(cont.)	06/30/00				31.24	75.02	0.00			
	07/13/00				30.37	75.89	0.00			
	08/30/00				31.18	75.08	0.00			
	09/21/00				31.68	74.58	0.00			
	10/03/00				31.85	74.41	0.00			
	11/29/00				31.68	74.58	0.00			
	12/13/00				31.62	74.64	0.00			
	01/03/01				31.58	74.68	0.00			
	02/06/01				31.52	74.74	0.00			
	03/15/01				31.45	74.81	0.00			
	04/05/01				31.30	74.96	0.00			
	05/03/01				31.38	74.88	0.00			
	06/02/01				31.63	74.63	0.00			
	07/10.01				31.94	74.32	0.00			
	10/02/01				31.41	74.85	0.00			
	01/28/02				31.22	75.04	0.00			
	02/25/02				31.84	74.42	0.00			
	03/25/02				31.13	75.13	0.00			
	04/10/02				30.79	75.47	0.00			
	05/16/02				30.66	75.60	0.00			
	06/17/02]		30.57	75.69	0.00			
	07/02/02				30.70	75.56	0.00			
	09/10/02				30.12	76.14	0.00			
	10/08/02				30.36	75.90	0.00			
	11/08/02				30.16	76.10	0.00			
	01/28/03				30.25	76.01	0.00			
	04/02/03				30.17	76.09	0.00			
	05/10/03									
l	06/26/03			I						
	07/08/03				30.69	75.57	0.00			
	08/20/03								ĺ	
	09/30/03									
l	10/31/03	Į				•				
	11/12/03	ľ								
	12/18/03_	<u> </u>	<u> </u>		31.70	74.56	0.00			<u></u>

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-7	10/17/95	104.34	106.27		32.20	74.07	0.00			
	02/07/96				30.50	75.77	0.00			
	04/03/96				30.40	75.87	0.00			
	06/12/96									
	06/20/96									
	06/27/96									
	07/05/96									
	07/18/96				31.24	75.03	0.00			
	08/01/96									
	10/02/96				31.80	74.47	0.00			
	10/09/97				31.40	74.87	0.00			
	11/08/97	104.34	106.27							No PSH
	01/22/98	ļ	İ		31.97	74.30	0.00			
	02/18/98				31.78	74.49	0.00			
	04/02/98				31.66	74.61	0.00			
	05/05/98 07/07/98				31.61 32.40	74.66	0.00			
	10/02/98				32.40 32.75	73.87 73.52	0.00 0.00			
	01/14/99				32.73	73.32 74.06	0.00			
	04/15/99				32.21	74.00	0.00			
	07/13/99				31.50	74.27	0.00			
	08/11/99				31.95	74.77	0.00			
	09/22/99				31.85	74.42	0.00			
	10/28/99				31.55	74.72	0.00			
	11/23/99				31.62	74.65	0.00			
	12/17/99				31.67	74.60	0.00			
	01/13/00				31.69	74.58	0.00			
	02/15/00				31.70	74.57	0.00			
	03/31/00				31.74	74.53	0.00			
	04/27/00				31.69	74.58	0.00			
	05/31/00				32.13	74.14	0.00			
	06/30/00				32.25	74.02	0.00			
	07/13/00				31.69	74.58	0.00			
	08/30/00				32.12	74.15	0.00			
	09/21/00				32.55	73.72	0.00			
1	10/03/00				32.69	73.58	0.00			

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-7	11/29/00				32.47	73.80	0.00			
(cont.)	12/13/00				32.35	73.92	0.00			
H	01/03/01				32.30	73.97	0.00			
	02/06/01				32.21	74.06	0.00			
	03/15/01				32.11	74.16	0.00			
	04/05/01				32.00	74.27	0.00			
	05/03/01				32.08	74.19	0.00			
	06/02/01				32.32	73.95	0.00			
	07/10/01				32.72	73.55	0.00			
	10/02/01				32.53	73.74	0.00		İ	
	01/28/02				31.92	74.35	0.00			
	02/25/02				31.16	75.11	0.00		ŀ	
	03/25/02				31.82	74.45	0.00			
	04/10/02				31.66	74.61	0.00			
	05/16/02				31.44	74.83	0.00			
	06/17/02				31.45	74.82	0.00			
	07/02/02				31.40	74.87	0.00			
	09/10/02				31.04	75.23	0.00			
	10/08/02				31.22	75.05	0.00			
	11/08/02				31.16	75.11	0.00			
	01/28/03				30.99	75.28	0.00			
	04/02/03				30.88	75.39	0.00			
	05/10/03									
	06/26/03									
	07/08/03				31.48	74.79	0.00			
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				32.43	73.84	0.00			
MW-8	10/17/95	105.52	107.44	31.62	33.22	75.66	1.60			
	02/07/96									
	04/03/96				30.37	77.07	0.00			
	06/12/96			30.29	30.35	77.14	0.06			
	06/20/96				30.63	76.81	0.00			
	06/27/96				30.77	76.67	0.00			

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-8	07/05/96				31.70	75.74	0.00			
(cont.)	07/18/96				30.85	76.59	0.00			
	08/01/96				31.13	76.31	0.00			
	10/02/96		:		31.40	76.04	0.00			
	10/09/97				32.34	75.10	0.00			
	11/08/97	105.52	107.44		32.16	75.28	0.00		34.67	Absorptive Boom
	01/22/98				31.56	75.88	0.00	1.00	35.67	Absorptive Boom
	02/18/98				32.68	74.76	0.00	0.10	35.77	Absorptive Boom
	04/02/98		108.23		32.54	75.69	0.00	0.10	35.87	Absorptive Boom, Connected to SVE
	05/05/98				32.49	75.74	0.00	0.10	35.97	Absorptive Boom
	07/07/98		\ 		33.37	74.86	0.00	0.10	36.07	Absorptive Boom
	10/02/98				32.75	75.48	0.00	0.10	36.17	Absorptive Boom
	01/14/99				32.21	76.02	0.00		36.17	Absorptive Boom
	04/15/99				32.00	76.23	0.00		36.17	SVE System Activated
	07/13/99				31.50	76.73	0.00		36.17	SVE System
	08/11/99				31.95	76.28	0.00		36.17	SVE System
	09/22/99				31.85	76.38	0.00		36.17	SVE System
	10/28/99				31.55	76.68	0.00		36.17	SVE System
	11/23/99				31.62	76.61	0.00		36.17	SVE System
	12/17/99				31.65	76.58	0.00		36.17	SVE System
	01/13/00				32.57	75.66	0.00		36.17	SVE System
	02/15/00				31.51	76.72	0.00		36.17	SVE System
	03/31/00				32.60	75.63	0.00		36.17	SVE System
	04/27/00				32.52	75.71	0.00		36.17	PSH droplets present during purge
	05/31/00				33.02	75.21	0.00	•	36.17	SVE System down repaired on June2
	06/30/00				33.10	75.13	0.00		36.17	SVE System down will repair
	07/13/00		<u>'</u>		32.58	75.65	0.00		36.17	SVE System repaired July 13
	08/30/00				33.10	75.13	0.00		36.17	SVE System
	09/21/00				33.50	74.73	0.00		36.17	SVE System
	10/03/00		[33.63	74.60	0.00		36.17	SVE System
	11/29/00				33.07	75.16	0.00		36.17	SVE System
	12/13/00				33.22	75.01	0.00		36.17	SVE System
	01/03/01				33.18	75.05	0.00		36.17	SVE System
	02/06/01				33.05	75.18	0.00		36.17	SVE System
	03/15/01]		32.91	75.32	0.00		36.17	SVE System
	04/05/01				32.80	75.43	0.00		36.17	SVE System

TABLE 1
LEA STATION
RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES
AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-8	05/03/01				32.87	75.36	0.00		36.17	SVE System
(cont.)	06/02/01				33.12	75.11	0.00		36.17	SVE System
	07/10/01				33.92	74.31	0.00		36.17	SVE System
	10/02/01				33.92	74.31	0.00		36.17	SVE System
	01/28/02				32.73	75.50	0.00		36.17	SVE System
	02/25/02				32.65	75.58	0.00		36.17	SVE System
	03/25/02				32.65	75.58	0.00		36.17	SVE System
	04/10/02				32.43	75.80	0.00		36.17	SVE System
	05/16/02				32.25	75.98	0.00		36.17	SVE System
	06/17/02				32.31	75.92	0.00		36.17	SVE System
	07/02/02				32.26	75.97	0.00		36.17	SVE System
	09/10/02				32.27	75.96	0.00		36.17	SVE System
	10/08/02				32.20	76.03	0.00		36.17	SVE System
	11/08/02				32.07	76.16	0.00		36.17	SVE System
	01/28/03				32.00	76.23	0.00		36.17	SVE System
	04/02/03				31.75	76.48	0.00		36.17	SVE System
	05/10/03					ŧ I				
	06/26/03									
	07/08/03				32.45	75.78	0.00		36.17	SVE System
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03					İ				
	12/18/03				33.36	74.87	0.00		36.17	SVE System
MW-9	10/17/95	93.76	97.21		31.14	66.07	0.00			
	02/07/96				28.76	68.45	0.00			
	04/03/96				28.82	68.39	0.00			
	06/12/96									
	06/20/96			·	Ì					
	06/27/96									
	07/05/96									
	07/18/96				29.65	67.56	0.00			
	08/01/96									
	10/02/96				30.16	67.05	0.00			
	10/09/97				30.19	67.02	0.00]	
	11/08/97	93.76	97.21							No PSH

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-9	01/22/98				30.78	66.43	0.00			
(cont.)	02/18/98									
	04/02/98				30.59	66.62	0.00			
	05/05/98				30.57	66.64	0.00			
	07/07/98				31.33	65.88	0.00		ł	
	10/02/98				31.70	65.51	0.00			
	01/14/99				31.28	65.93	0.00			
	04/15/99				30.93	66.28	0.00			
	07/13/99				30.38	66.83	0.00			
	08/11/99				30.89	66.32	0.00			
l	09/22/99				30.06	67.15	0.00		}	
	10/28/99				30.42	66.79	0.00			
	11/23/99				30.58	66.63	0.00			
	12/17/99				30.62	66.59	0.00			
	01/13/00				30.64	66.57	0.00			
	02/15/00				30.69	66.43	0.00			
	03/31/00				30.75	66.46	0.00		1	
	04/27/00				30.66	66.55	0.00			
	05/31/00				31.06	66.15	0.00			
	06/30/00				27.43	69.78	0.00			
	07/13/00				27.33	69.88	0.00			
	08/30/00									Well damaged by EPI, not able to access
	09/21/00									Well damaged by EPI, not able to access
	10/03/00									Well damaged by EPI, not able to access
	11/29/00									Well damaged by EPI, not able to access
	12/13/00									Well damaged by EPI, not able to access
	01/03/01									Well damaged by EPI, not able to access
	02/06/01						[l	Well damaged by EPI, not able to access
	03/15/01		0.44]			Well damaged by EPI, not able to access
	04/05/01		96.16		30.29	65.87	0.00			Well replaced by EPI.
	05/03/01				30.37	65.79	0.00			
	06/02/01				30.61	65.55	0.00			
1	07/10/01				30.86	65.30	0.00			
	10/02/01			1	30.29	65.87	0.00		Į.	
	01/28/02				30.21	65.95	0.00			
	02/25/02				30.20	65.96	0.00			

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-9	03/25/02	-			30.10	66.06	0.00			
(cont.)	04/10/02				29.70	66.46	0.00			
	05/16/02				29.51	66.65	0.00			
	06/17/02				29.65	66.51	0.00			
	07/02/02				29.36	66.80	0.00			
	09/10/02				28.83	67.33	0.00			
	10/08/02				29.13	67.03	0.00			
	11/08/02				28.65	67.51	0.00		1	
	01/28/03				28.96	67.20	0.00			
ĺ	04/02/03				29.07	67.09	0.00			
	05/10/03									
	06/26/03								1	
	07/08/03				29.63	66.53	0.00			
	08/20/03									
	09/30/03									
	10/31/03]	
1	11/12/03	'))	0.00		Ì	
2411140	12/18/03	00.73	100.51		30.71	65.45	0.00		ļ	
MW-10	10/17/95	99.63	102.51		35.41	67.10	0.00			
	02/07/96				34.41	68.10	0.00			
l	04/03/96				34.43	68.08	0.00			
	06/12/96 06/20/96									
	06/20/96									
	07/05/96									
	07/18/96				35.22	67.29	0.00			
	08/01/96				33.22	67.29	0.00			
	10/02/96				34.79	67.72	0.00			
	10/02/90				34.79	67.79	0.00			
	11/08/97	99.63	102.51		34.12	01.19	0.00			No PSH
	01/22/98	77.03	102.51		36.46	66.05	0.00			[NO FOR
	02/18/98				50.40	00.05	0.00			
	04/02/98				36.25	66.26	0.00			
	05/05/98				36.27	66.24	0.00			
	07/07/98				35.89	66.62	0.00			
	10/02/98				37.40	65.11	0.00			

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-10	01/14/99				37.04	65.47	0.00			
(cont.)	04/15/99				36.76	65.75	0.00			
	07/13/99				36.28	66.23	0.00			
	08/11/99				36.70	65.81	0.00			
	09/22/99				36.86	65.65	0.00			
	10/28/99				36.35	66.16	0.00			
	11/23/99				36.39	66.12	0.00			
	12/17/99				36.42	66.09	0.00			
	01/13/00				36.42	66.09	0.00			
	02/15/00				36.44	66.07	0.00			
	03/31/00				36.47	66.04	0.00			
	04/27/00	ļ			36.42	66.09	0.00			PSH droplets present during purge
	05/31/00				36.90	65.61	0.00			
	06/30/00				36.51	66.00	0.00			
	07/13/00				35.40	67.11	0.00			
	08/30/00		i .		36.34	66.17	0.00			
	09/21/00				36.81	65.70	0.00			
	10/03/00				36.96	65.55	0.00			
	11/29/00				37.15	65.36	0.00			
	12/13/00				37.04	65.47	0.00			
	01/03/01				37.08	65.43	0.00			
	02/06/01				36.98	65.53	0.00			
	03/15/01				36.90	65.61	0.00			
	04/05/01				36.83	65.68	0.00			
	05/03/01		Ì		36.90	65.61	0.00			
	06/02/01				37.14	65.37	0.00			
	07/10/01				37.44	65.07	0.00			
	10/02/01	1			37.05	65.46	0.00			
	01/28/02				36.82	65.69	0.00			
	02/25/02				36.37	66.14	0.00			
	03/25/02	ļ ·			36.63	65.88	0.00			
	04/10/02				36.30	66.21	0.00			
	05/16/02				36.16	66.35	0.00			
	06/17/02				36.26	66.25	0.00			1
	07/02/02				36.02	66.49	0.00			
	09/10/02				35.47	67.04	0.00			

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-10	10/08/02				35.72	66.79	0.00			
(cont.)	11/08/02				35.29	67.22	0.00			
	01/28/03				35.58	66.93	0.00			
	04/02/03				35.63	66.88	0.00			
	05/10/03									
	06/26/03									
	07/08/03				36.20	66.31	0.00			
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				37.29	65.22	0.00			
MW-11	10/17/95	104.48	105.62	32.33	32.48	73.28	0.15			
	02/07/96 04/03/96			31.66	32.31	73.90	0.65			
	06/12/96			31.40 31.76	32.13	74.15	0.73			
	06/20/96			31.76	32.07 31.96	73.83 73.71	0.31 0.05			
	06/27/96			31.91	31.78	73.71	0.05			
	07/05/96				32.12	73.50 73.50	0.00			
	07/18/96				32.12	73.50	0.00			
	08/01/96				32.12	73.25	0.00			
	10/02/96			32.47	33.14	73.08	0.67			
	10/09/97			32.47	32.47	73.15	0.00			
	11/08/97	104.48	105.62		32.47	73.15	0.00		17.49	Absorptive Boom
	01/22/98	120			32.18	73.44	0.00		17.49	Absorptive Boom
	02/18/98			32.79	32.99	72.81	0.20	1.00	18.49	Absorptive Boom
	04/02/98			32.71	33.48	72.83	0.77	2.00	20.49	Absorptive Boom/Hand Bail
	05/05/98			32.56	33.71	72.95	1.15	2.50	22.99	Absorptive Boom/Hand Bail
	07/07/98			33.20	34.92	72.25	1.72	3.00	25.99	Absorptive Boom/Hand Bail
	10/02/98			33.00	33.75	72.55	0.75	1.50	27.49	Absorptive Boom/Hand Bail
	01/14/99			33.40	33.69	72.19	0.29	·	27.49	
	04/15/99			32.85	33.53	72.70	0.68		27.49	
	07/13/99			32.43	34.20	73.01	1.77	3.00	30.49	Hand Bail
	08/11/99			32.73	34.89	72.67	2.16	3.50	33.99	Hand Bail
	09/22/99			32.85	33.77	72.68	0.92	0.50	34.49	Absorptive Boom/Hand Bail
	10/28/99			32.78	33.27	72.79	0.49	0.25	34.74	Absorptive Boom/Hand Bail

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-11	11/23/99			32.60	33.53	72.93	0.93	1.00	35.74	Absorptive Boom/Hand Bail
(cont.)	12/17/99			32.70	33.26	72.86	0.56	1.00	36.74	Absorptive Boom/Hand Bail
	01/13/00			32.70	33.26	72.86	0.56	0.25	36.99	Absorptive Boom/Hand Bail
	02/15/00			32.73	33.55	72.81	0.82	0.50	37.49	Absorptive Boom/Hand Bail
	03/31/00			32.84	33.73	72.69	0.89	0.50	37.99	Absorptive Boom/Hand Bail
	04/27/00			32.52	33.35	73.02	0.83	0.50	38.49	Absorptive Boom/Hand Bail
	05/31/00			33.12	34.33	72.38	1.21	1.00	39.49	Absorptive Boom/Hand Bail
	06/30/00			33.51	33.81	72.08	0.30	0.25	39.74	Absorptive Boom/Hand Bail
	07/13/00				33.24	72.38	0.00	0.25	39.99	Absorptive Boom
	08/30/00				33.43	72.19	0.00	0.25	40.24	Absorptive Boom
	09/21/00				33.75	71.87	0.00	0.25	40.49	Absorptive Boom
	10/03/00				33.73	71.89	0.00	0.00	40.49	Absorptive Boom
	11/29/00				33.55	72.07	0.00	0.25	40.74	Absorptive Boom
	12/13/00				33.30	72.32	0.00	0.00	40.74	Absorptive Boom
	01/03/01				33.28	72.34	0.00	0.00	40.74	Absorptive Boom
	02/06/01				33.26	72.36	0.00	0.25	40.99	Absorptive Boom
	03/15/01				33.20	72.42	0.00	0.25	41.24	Absorptive Boom
	04/05/01				33.10	72.52	0.00	0.25	41.49	Absorptive Boom
	05/03/01				33.17	72.45	0.00	0.25	41.74	Absorptive Boom
	06/02/01				33.40	72.22	0.00	0.25	41.99	Absorptive Boom
	07/10/01			33.94	34.08	71.67	0.14	0.25	41.99	Absorptive Boom
	10/02/01			33.93	33.94	71.69	0.01	0.25	42.24	Absorptive Boom
	01/28/02			33.10	33.13	72.52	0.03	0.25	42.24	Absorptive Boom
	02/25/02				32.97	72.65	0.00	0.25	42.49	Absorptive Boom
	03/25/02				32.94	72.68	0.00	0.25	42.49	Absorptive Boom
	04/10/02				32.83	72.79	0.00	0.25	42.74	Absorptive Boom
	05/16/02			32.69	32.75	72.92	0.06	0.25	42.74	Absorptive Boom
	06/17/02			32.71	32.95	72.89	0.24	0.25	42.99	Absorptive Boom
	07/02/02			32.61	32.72	73.00	0.11	0.25	42.99	Absorptive Boom
	09/10/02			33.12	33.22	72.49	0.10	0.00	42.99	Absorptive Boom
	10/08/02			33.09	33.38	72.50	0.29	0.50	43.49	Skimmer
	11/08/02			33.45	33.61	72.15	0.16	0.50	43.49	
	01/28/03			32.67	32.76	72.94	0.09	0.50	43.99	
	04/02/03				32.13	73.49	0.00	0.00	43.99	
	05/10/03	·			32.21	73.41	0.00	0.50	44.49	Absorptive Boom
	06/26/03				32.41	73.21	0.00	0.50	44.99	Absorptive Boom

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-11	07/08/03				32.75	72.87	0.00	0.25	45.24	Absorptive Boom
(cont.)	08/20/03				32.77	72.85	0.00	0.25	45.49	Absorptive Boom
	09/30/03							:		
	10/31/03				32.88	72.74	0.00	0.25	45.74	Absorptive Boom
	11/12/03									
	12/17/03				33.98	71.64	0.00	0.25	45.99	Absorptive Boom
MW-12	10/17/95	Not Surveyed	103.90		32.41	71.49	0.00			
	02/07/96				31.00	72.90	0.00			
	04/03/96				30.91	72. 9 9	0.00			
	06/12/96									
	06/20/96									
	06/27/96									
	07/05/96 07/18/96	,			21.70	72.20	0.00			
	08/01/96				31.70	72.20	0.00			
	10/02/96				32.20	71.70	0.00			
	10/02/90		ļ		32.29	71.70	0.00			
	11/08/97	Not Surveyed	103.90		32.27	71.01	0.00			No PSH
	01/22/98	Not Surveyed	103.70		32.62	71.28	0.00			101 511
	02/18/98				32.48	71.42	0.00			
	04/02/98				32.25	71.65	0.00			
	05/05/98				32.42	71.48	0.00			
	07/07/98				33.33	70.57	0.00			
	10/02/98				33.34	70.56	0.00			
	01/14/99				32.68	71.22	0.00			
	04/15/99				32.42	71.48	0.00			
	07/13/99				32.29	71.61	0.00			
	08/11/99				32.62	71.28	0.00			
	09/22/99				32.50	71.40	0.00			
	10/28/99				32.06	71.84	0.00			
	11/23/99				32.04	71.86	0.00			
	12/17/99				30.05	73.85	0.00			
	01/13/00				32.03	71.87	0.00			
	02/15/00				32.05	71.85	0.00			
	03/31/00				32.06	71.84	0.00			
	04/27/00				32.02	71.88	0.00			

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-12	05/31/00				32.66	71.24	0.00			
(cont.)	06/30/00				32.66	71.24	0.00			
	07/13/00				32.16	71.74	0.00			
	08/30/00				32.48	71.42	0.00			
	09/21/00				32.85	71.05	0.00			
	10/03/00				32.95	70.95	0.00			
	11/29/00				32.74	71.16	0.00			
:	12/13/00				32.63	71.27	0.00			
	01/03/01				32.56	71.34	0.00			
	02/06/01				32.48	71.42	0.00			
	03/15/01				32.38	71.52	0.00			
	04/05/01				32.27	71.63	0.00			
	05/03/01				32.33	71.57	0.00			
l	06/02/01				32.55	71.35	0.00			
	07/10/01				33.11	70.79	0.00			
	10/02/01				32.99	70.91	0.00			
	01/28/02				32.24	71.66	0.00			
	02/25/02				32.17	71.73	0.00			
	03/25/02				32.14	71.76	0.00			
	04/10/02				32.01	71.89	0.00			
	05/16/02				32.09	71.81	0.00			
	06/17/02				32.01	71.89	0.00			
	07/02/02				31.94	71.96	0.00			
	09/10/02				31.48	72.42	0.00			
	10/08/02				31.60	72.30	0.00			
	11/08/02				31.52	72.38	0.00			
	01/28/03	Ì			31.27	72.63	0.00			
	04/02/03				31.25	72.65	0.00			
	05/10/03									
	06/26/03									
	07/08/03				31.97	71.93	0.00			
	08/20/03									
	09/30/03						Į			
	10/31/03									
	11/12/03									
	12/18/03				32.81	71.09	0.00		<u></u>	

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-13	10/17/95	Not Surveyed	103.89		32.61	71.28	0.00			
	02/07/96				28.75	75.14	0.00			
	04/03/96				28.61	75.28	0.00			
	06/12/96									
	06/20/96									
	06/27/96		l							
	07/05/96									
	07/18/96				29.69	74.20	0.00			
	08/01/96									
	10/02/96				31.21	72.68	0.00			
	10/09/97				30.61	73.28	0.00			
	11/08/97	Not Surveyed	103.89							No PSH
	01/22/98				30.25	73.64	0.00			
	02/18/98				30.11	73.78	0.00			
	04/02/98				29.99	73.90	0.00			
	05/05/98				29.99	73.90	0.00			
	07/07/98				30.99	72.90	0.00			
	10/02/98				31.27	72.62	0.00			
	01/14/99 04/15/99				30.60	73.29	0.00			
	04/13/99				30.35	73.54	0.00			
	07/13/99		l		30.21	73.68	0.00			
	08/11/99				30.58 30.37	73.31 73.52	0.00			
	10/28/99				30.37	73.79	0.00 0.00			
	11/23/99				30.10	73.79	0.00			
	12/17/99				28.58	75.83 75.31	0.00			
	01/13/00				30.05	73.84	0.00			
	02/15/00				30.03	73.86	0.00			
	03/31/00				30.05	73.83	0.00			
	04/27/00				30.00	73.83	0.00			
	05/31/00				30.66	73.23	0.00			
	06/30/00				30.76	73.13	0.00			
	07/13/00				30.33	73.56	0.00			
	08/30/00				30.80	73.09	0.00			
	09/21/00				31.14	72.75	0.00			
	10/03/00				31.23	72.66	0.00			

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
MW-13	11/29/00				30.81	73.08	0.00			
(cont.)	12/13/00				30.79	73.10	0.00			
	01/03/01				30.63	73.26	0.00			
	02/06/01				30.52	73.37	0.00			
	03/15/01				30.41	73.48	0.00			
	04/05/01				30.30	73.59	0.00			
 	05/03/01				30.37	73.52	0.00			
	06/02/01				30.61	73.28	0.00			
	07/10/01				31.30	72.59	0.00			
	10/02/01				31.05	72.84	0.00			
	01/28/02				30.30	73.59	0.00			
	02/25/02				30.21	73.68	0.00			
	03/25/02				30.17	73.72	0.00			
	04/10/02				30.01	73.88	0.00			
	05/16/02				29.83	74.06	0.00			
	06/17/02				29.90	73.99	0.00			
	07/02/02				29.89	74.00	0.00			
	09/10/02				29.69	74.20	0.00			
	10/08/02				29.83	74.06	0.00			
	11/08/02				29.65	74.24	0.00			-
	01/28/03				29.41	74.48	0.00			
	04/02/03				29.30	74.59	0.00			
	05/10/03									
	06/26/03									
	07/08/03				30.13	73.76	0.00			
1	08/20/03									
	09/30/03								1	
 	10/31/03								1	
	11/12/03								l	
	12/18/03		,		30.88	73.01	0.00			
RW-1	10/17/95	Not Surveyed	106.40							
	02/07/96									
	04/03/96			27.36	27.37	79.03	0.01		1	
	06/12/96									
	06/20/96									
	06/27/96					l	l		İ	

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-1	07/05/96								·	
(cont.)	07/18/96				28.25	78.15	0.00			
	08/01/96				28.47	77.93	0.00			
	10/02/96									
	10/09/97				27.37	79.03	0.00			
	11/08/97	Not Surveyed	106.40							SVE System
	01/22/98		1		27.37	79.03	0.00			SVE System
	02/18/98				30.87	75.53	0.00			SVE System
	04/02/98				30.78	75.62	0.00			
	05/05/98				30.68	75.72	0.00			
	07/07/98			31.54	31.82	74.83	0.28			
	10/02/98			31.85	32.01	74.53	0.16			
	01/14/99		ļ	31.18	31.20	75.22	0.02			
	04/15/99 07/13/99			31.05	31.07	75.35	0.02			SVE System Activated
	08/11/99				30.16 31.09	76.24	0.00			SVE System
	08/11/99				29.73	75.31	0.00 0.00			SVE System
	10/28/99				30.69	76.67 75.71	0.00			SVE System
	11/23/99				30.72	75.71 75.68	0.00			SVE System SVE System
	12/17/99				28.58	77.82	0.00			SVE System SVE System
	01/13/00				30.80	75.60	0.00			SVE System
	02/15/00				28.03	78.37	0.00			SVE System
	03/31/00				30.82	75.58	0.00			SVE System
	04/27/00				30.74	75.66	0.00			SVE System
	05/31/00				31.22	75.18	0.00			SVE System down/Repaired on June 2
	06/30/00				31.30	75.10 75.10	0.00			SVE System down will repair
	07/13/00		\		30.79	75.61	0.00			SVE System repaired July 13
	08/30/00				30.69	75.71	0.00			SVE System
	09/21/00				31.72	74.68	0.00			SVE System
	10/03/00				31.85	74.55	0.00			SVE System
	11/29/00				32.09	74.31	0.00			SVE System
	12/13/00				32.22	74.18	0.00			SVE System
	01/03/01				31.40	75.00	0.00			SVE System
	02/06/01				31.42	74.98	0.00			SVE System
	03/15/01				31.24	75.16	0.00			SVE System
	04/05/01				31.00	75.40	0.00			SVE System

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-1	05/03/01				31.09	75.31	0.00			SVE System
(cont.)	06/02/01				31.33	75.07	0.00			SVE System
	07/10/01				32.00	74.40	0.00		1	SVE System
	10/02/01				31.94	74.46	0.00			SVE System
	01/28/02				30.96	75.44	0.00			SVE System
	02/25/02				30.89	75.51	0.00			SVE System
	03/25/02				30.90	75.50	0.00			SVE System
	04/10/02				30.68	75.72	0.00			SVE System
	05/16/02				30.49	75.91	0.00			SVE System
	06/17/02				30.56	75.84	0.00			SVE System
	07/02/02			'	30.51	75.89	0.00			SVE System
	09/10/02				30.65	75.75	0.00			SVE System
	10/08/02				30.43	75.97	0.00			SVE System
	11/08/02				30.31	76.09	0.00			SVE System
	01/28/03				30.16	76.24	0.00			SVE System
	04/02/03				30.00	76.40	0.00			SVE System
	05/10/03									
	06/26/03				20.00		0.00			l
	07/08/03				30.69	75.71	0.00			SVE System
	08/20/03									
	09/30/03 10/31/03									
	11/12/03									
	12/18/03				31.68	74.72	0.00			SVE System
RW-2	10/17/95	Not Surveyed	106.65		200	7 / 2	0.00			o . o ojstem
	02/07/96									
	04/03/96		1	28.75	28.93	77.88	0.18		1	
	06/12/96									
	06/20/96									
	06/27/96									
	07/05/96									
	07/18/96			29.66	29.81	76.98	0.15			
	08/01/96				30.14	76.51	0.00			
	10/02/96			29.60	29.80	77.03	0.20			
	10/09/97			29.60	29.80	77.03	0.20			
	11/08/97	Not Surveyed	106.65							SVE System

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Depth to Water Below Top of Casing (feet)	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-2	01/22/98			29.60	29.80	77.03	0.20			SVE System
(cont.)	02/18/98				30.12	76.53	0.00			SVE System
	04/02/98			30.02	30.11	76.62	0.09			
	05/05/98			30.08	30.11	76.57	0.03			
	07/07/98			30.85	31.10	75.78	0.25			
	10/02/98			31.49	31.52	75.16	0.03			
	01/14/99			30.62	30.75	76.02	0.13			
	04/15/99			30.34	30.55	76.29	0.21			SVE System Activated
	07/13/99				29.70	76.95	0.00			SVE System
	08/11/99			28.54	28.55	78.11	0.01			SVE System
	09/22/99			30.47	30.48	76.18	0.01			SVE System
	10/28/99			30.10	30.11	76.55	0.01		2	SVE System
	11/23/99				28.82	77.83	0.00			SVE System
	12/17/99				30.10	76.55	0.00			SVE System
	01/13/00				23.72	82.93	0.00			SVE System
	02/15/00				30.09	76.56	0.00			SVE System
	03/31/00				30.12	76.53	0.00			SVE System
	04/27/00			30.03	30.04	76.62	0.01			SVE System
	05/31/00			30.50	30.51	76.15	0.01			SVE System down/Repaired on June 2
	06/30/00			30.41	30.50	76.23	0.09			SVE Sytsem down placed boom in well
	07/13/00				30.42	76.23	0.00			SVE System repaired July 13
	08/30/00				31.31	75.34	0.00			SVE System
	09/21/00			31.09	31.11	75.56	0.02			SVE System
	10/03/00			31.23	31.25	75.42	0.02			SVE System
	11/29/00			30.93	30.98	75.72	0.05			SVE System
	12/13/00				31.03	75.62	0.00			SVE System
	01/03/01			31.04	31.09	75.61	0.05			SVE System
	02/06/01				30.55	76.10	0.00			SVE System
	03/15/01				30.41	76.24	0.00			SVE System
	04/05/01				30.30	76.35	0.00			SVE System
	05/03/01				30.38	76.27	0.00			SVE System
	06/02/01				30.62	76.03	0.00			SVE System
	07/10/01			31.99	32.00	74.66	0.01			SVE System
	10/02/01			31.02	31.10	75.62	0.08			SVE System
	01/28/02			30.23	30.25	76.42	0.02			SVE System
	02/25/02				33.48	73.17	0.00			SVE System

TABLE 1 LEA STATION RELATIVE GROUNDWATER ELEVATIONS, PHASE SEPARATED HYDROCARBON THICKNESSES AND MANUAL PHASE-SEPARATED HYDROCARBON RECOVERY

Monitor Well	Date Gauged	Relative Ground Surface Elevation (feet)	Relative Top of Casing Elevation (feet)*	Depth to PSH Below Top of Casing (feet)	Below Top of	Corrected Relative Groundwater Elevation (feet)**	Phase Separated Hydrocarbon Thickness (feet)	PSH Recovery (gallons)	PSH Cumulative Recovery (gallons)	Type of Recovery
RW-2	03/25/02				33.17	73.48	0.00			SVE System
(cont.)	04/10/02				29.99	76.66	0.00			SVE System
	05/16/02				32.97	73.68	0.00		}	SVE System
	06/17/02				29.80	76.85	0.00			SVE System
	07/02/02				29.75	76.90	0.00			SVE System
	09/10/02				29.60	77.05	0.00			SVE System
	10/08/02				29.73	76.92	0.00			SVE System
	11/08/02				29.64	77.01	0.00			SVE System
	01/28/03				29.51	77.14	0.00			SVE System
	04/02/03				29.34	77.31	0.00		•	SVE System
	05/10/03								•	
	06/26/03									
	07/08/03				29.94	76.71	0.00			SVE System
	08/20/03									
	09/30/03									
	10/31/03									
	11/12/03									
	12/18/03				30.90	75.75	0.00			SVE System

^{*} Measured from a relative datum (benckmark = 100 feet).

Note 1: Total recovery:

226.48

gallons by manual means.

Note 2: The SVE System blower failed on 3/12/98. The system was reactivated on 4/15/99.

^{**} Correction Equation for Phase-Separated Hydrocarbons: Corrected Groundwater Elevation =
Top of Casing Elevation - [Depth to Water Below Top of Casing - (SG)(PSH Thickness)].
Specific Gravity (SG) = 0.9 for crude oil.

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

				BTEX					PAH			
Monitor	Date			Ethyl-	Total		1-Methyl-	2-Methyl-		Total	Benzo(a)	
Well	Sampled	Benzene	Toluene	Benzene	Xylenes	Total BTEX	napthlene	napthlene	Napthlene	Napthlenes	pyrene	Fluorene
	-	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-1	10/17/95	PSH	PSH	PSH	PSH	PSH						
	02/07/96	PSH	PSH	PSH	PSH	PSH						
	04/03/96	NS	NS	NS	NS	NS						
	07/18/96	NS	NS	NS	NS	NS				ŀ		
	10/02/96	0.29	< 0.003	0.12	< 0.003	0.41						
	10/09/97	NS	NS	NS	NS	NS						
	01/22/98	NS	NS	NS	NS	NS						
	05/05/98	NS	NS	NS	NS	NS			1			
	07/08/98	NS	NS	NS	NS	NS						
	10/02/98	NS	NS	NS	NS	NS	-					
	01/14/99	NS .	NS	NS	NS	NS						
	04/15/99	NS	NS	NS	NS	NS					1	
	01/13/00	NS	NS	NS	NS	NS						
'	04/28/00	NS	NS	NS	NS	NS		1			j	
	10/06/00	NS	NS	NS	NS	NS						
	01/03/01	NS	NS	NS	NS	NS			1		1	
	04/05/01	NS	NS	NS	NS	NS					1	
	07/10/01	NS	NS	NS	NS	NS					İ	
	10/03/01	NS	NS	NS	NS	NS						
	01/28/02	NS	NS	NS	NS	NS			Ì			İ
	04/10/02	NS	NS	NS	NS	NS						
	07/02/02	NS	NS	NS	NS	NS						
	10/08/02	NS	NS	NS	NS	NS						i
	01/29/03	NS	. NS	NS	NS	NS						
	04/02/03	0.372	ND:	0.0981	0.0403	0.5104						
	07/08/03	NS	NS	NS	NS	NS						
	12/18/03	0.403	ND	0.0758	0.0198	0.4986						
MW-2	10/17/95	PSH	PSH	PSH	PSH	PSH						
1.2	02/07/96	PSH	PSH	PSH	PSH	PSH				}		
	04/03/96	PSH	PSH	PSH	PSH	PSH		į	Į.			l
	07/18/96	PSH	PSH	PSH	PSH	PSH						
	10/02/96	PSH	PSH	PSH	PSH	PSH						
	10/09/97	NS	NS	NS	NS	NS						
	01/22/98	NS	NS	NS	NS	NS		ľ				
	05/05/98	NS	NS	NS	NS	NS					1	
	07/08/98	NS	NS	NS	NS	NS						
	10/02/98	NS	NS	NS	NS	NS						
	01/14/99	NS	NS NS	NS	NS	NS					1	
	04/15/99	NS	NS	NS	NS NS	NS		\				1
	1	NS	NS NS	NS	NS NS	NS						
	01/13/00	149	149	113	143	143			<u> </u>	<u></u>	<u> </u>	L

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

		***************************************		BTEX					PAH			
Monitor	Date			Ethyl-	Total		1-Methyl-	2-Methyl-		Total	Benzo(a)	
Well	Sampled	Benzene	Toluene	Benzene	Xylenes	Total BTEX	napthlene	napthlene	Napthlene	Napthlenes	pyrene (mg/l)	Fluorene (mg/L)
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-2	04/28/00	NS	NS	NS	NS	NS						
(cont.)	10/06/00	NS	NS	NS	NS	NS						
	01/03/01	NS	NS	NS	NS	NS						
	04/05/01	NS	NS	NS	NS	NS						
	07/10/01	NS	NS	NS	NS	NS						
	10/03/01	NS	NS	NS	NS	NS						
	01/28/02	PSH	PSH	PSH	PSH	PSH						
	04/10/02	PSH	PSH	PSH	PSH	PSH						
	07/02/02	PSH	PSH	PSH	PSH	PSH						
	10/08/02	PSH	PSH	PSH	PSH	PSH						
	01/29/03	PSH	PSH	PSH	PSH	PSH						
	04/02/03	PSH	PSH	PSH	PSH	PSH						
	07/08/03	PSH	PSH	PSH	PSH	PSH						
	12/18/03	PSH	PSH	PSH	PSH	PSH						
MW-3	02/16/93	2.500	0.010	0.370	0.640	3.520				·		
	10/17/95	2.000	ND	0.120	0.120	2.240						
	10/02/96	1.900	ND	0.320	ND	2.220						
	04/10/97	1.000	ND	0.290	ND	1.290						
	10/09/97	1.500	ND	0.280	0.028	1.808						
	05/05/98	1.200	ND	0.130	0.012	1.342						
	04/15/99	PSH	PSH	PSH	PSH	PSH						
	04/28/00	2.800	ND	0.190	ND	2.990						
	04/10/02	1.470	0.006	0.341	0.399	2.220						
	01/29/03	NS	NS	NS	NS	NS						
	04/02/03	1.540	ND	0.213	0.0815	1.835						
	07/08/03	NS	NS .	NS	NS	NS						
	12/18/03	0.939	ND	0.039	0.0072	1.006						
MW-4	02/16/93	ND	ND	ND	ND	ND						
IAN AA —A	10/17/95	ND	ND	ND	ND	ND						
	02/07/96	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND
	04/03/96	ND	ND	ND	ND	ND ND	ND	ND	l ND	NU	שא	שא
	04/03/96	ND ND	ND	ND ND	ND ND	ND ND						i
	10/02/96	ND ND	ND ND	ND ND	ND ND	ND ND			[
	01/22/96	ND ND	ND ND	ŀ	ND ND	ND ND	ND	ND	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	l ND		,,,,,
				ND			מא	שא	ND	ND	ND	ND
	04/10/97	ND	ND	ND	ND	ND						
	07/16/97	ND	ND	ND	ND	ND						
	10/09/97	ND	ND	ND	ND	ND			l			
	01/22/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/05/98	ND	ND	ND	ND	ND						1
	07/08/98	ND	ND	ND	ND	ND			<u> </u>			

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

				BTEX					PAH			
Monitor	Date			Ethyl-	Total		1-Methyl-	2-Methyl-		Total	Benzo(a)	
Well	Sampled	Benzene	Toluene	Benzene	Xylenes	Total BTEX	napthlene	napthlene	Napthlene	Napthlenes	pyrene	Fluorene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-4	10/02/98	ND	ND	ND	ND	ND		•				
(cont.)	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND						
1	07/13/99	ND	ND	ND	ND	ND				·		}
	10/13/99	ND	ND	ND	ND	ND						
	01/13/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/29/00	ND	ND	ND	ND	ND						
	07/12/00	ND	ND	ND	ND	ND						
	10/03/00	ND	ND	ND	ND	ND						
	01/03/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/05/01	0.006	ND	ND	ND	0.006						
	07/10/01	ND	ND	ND	ND	ND			Ì			
	10/02/01	ND	ND	ND	ND	ND						
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND	ND	ND						
	07/02/02	ND	ND	ND	ND	ND						
	10/08/02	ND	ND	ND	ND	ND						
	01/29/03	ND	ND	ND	. ND	ND	ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND	PSA SASSBOAN AND AN ALL SANDAN AND BASE AND AND AND AND AND AND AND AND AND AND	Constraints over 11. A best strike stocket	and the second s	The Control of the Co	and the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second section sections of the second section sections of the second section section section sections of the second section section section sections of the section section section section sections of the section sect	February and activities with
	- 07/08/03	ND	ND	ND	ND	ND			1	ĺ	1	
	12/18/03	ND	ND	ND'	ND	ND						
MW-5	02/16/93	ND	ND	0.002	0.004	0.006						
	10/17/95	PSH	PSH	PSH	PSH	PSH						
	02/07/96	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH
	04/03/96	PSH	PSH	PSH	PSH	PSH						
	07/18/96	PSH	PSH	PSH	PSH	PSH						
	10/02/96	0.002	ND	0.010	0.006	0.018						
	01/22/97	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH
	04/10/97	0.001	ND	0.012	0.005	0.018						
	07/16/97	0.001	ND	0.010	0.011	0.022						
	10/09/97	0.001	ND	0.006	0.001	0.008				1		
	01/22/98	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH	PSH
	05/05/98	0.002	ND	0.010	0.008	0.020			1			I
	07/08/98	ND	ND	0.003	0.002	0.005					}	
	10/02/98	ND	ND	0.002	0.003	0.005				<u> </u>	ļ	
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	0.007	0.004	0.011		-				
	07/13/99	ND	ND	0.010	0.015	0.025					ŀ	
	10/13/99	ND	ND	0.005	0.002	0.007				1		1
	01/13/00	ND	ND	0.002	ND	0.002	0.002	0.001	ND	0.003	ND	ND

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

				BTEX					PAH			
Monitor	Date			Ethyl-	Total		1-Methyl-	2-Methyl-		Total	Benzo(a)	
Well	Sampled	Benzene	Toluene	Benzene	Xylenes	Total BTEX	napthlene	napthlene	Napthlene	Napthlenes	pyrene	Fluorene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-5	04/28/00	ND	ND	0.003	ND	0.003						
(cont.)	07/12/00	ND	ND	ND	ND	ND						
	10/06/00	ND	ND	ND	ND	ND		İ				
	01/03/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/05/01	ND	ND	ND	ND	ND						
	07/10/01	ND	ND	ND	ND	ND				:		
	10/02/01	ND	ND	ND	ND	ND		ļ				
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND	ND	ND				1	ţ	
	07/02/02	ND	ND	ND	ND	ND				1	•	
	10/08/02	ND	ND	ND	ND	ND						
	01/29/03	0:0067	ND .	ND	ND	0.0067	ND ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND		and the contract of the contra	3 The Date of the Control of the			Source and and a confidence
	07/08/03	ND.	ND	ND	0.0488	0.0488				ŀ		
	12/18/03	ND	ND*	ND	ND	ND						
MW-6	02/16/93	0.002	0.001	ND	0.091	0.094						
	10/17/95	ND	0.002	0.021	0.021	0.044						
	02/07/96	ND	ND	0.002	0.009	0.011	ND	ND	ND	ND	ND	ND
	04/03/96	ND	ND	0.004	0.004	0.008						
	07/18/96	ND	0.003	ND	ND	0.003			Ì			1
	10/02/96	ND	ND	ND	ND	ND						
	01/22/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/97	ND	ND	ND	ND	ND						
	07/16/97	0.001	0.001	0.001	ND	0.003						
	10/09/97	ND	0.002	0.005	0.006	0.013			l			
	01/22/98	0.007	ND	ND	ND	0.007	0.004	0.002	0.006	0.012	ND	ND
	05/05/98	0.001	ND	0.001	0.010	0.012						
	07/08/98	ND	ND	ND	ND	ND						
	10/02/98	ND	ND	ND	ND	ND						
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			·			
	07/13/99	ND	ND	0.008	0.005	0.013						
	10/13/99	ND	ND	0.004	0.006	0.010					1	
	01/13/00	ND	ND	0.002	ND	0.002	0.002	ND	ND	0.002	ND	ND
	04/28/00	ND	ND	0.002	ND	0.002		1				
	07/12/00	0.001	0.001	0.006	0.003	0.011						
	10/06/00	ND	ND	ND	ND	ND						
	01/03/01	ND	ND	ND	ND	ND	0.017	ND	ND	0.017	ND	ND
	04/04/01	0.007	ND	0.013	0.033	0.053					1	
	07/10/01	ND	ND	ND	ND	ND						

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

				BTEX					PAH			
Monitor	Date			Ethyl-	Total		1-Methyl-	2-Methyl-		Total	Benzo(a)	
Well	Sampled	Benzene (mg/L)	Toluene (mg/L)	Benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	napthlene (mg/L)	napthlene (mg/L)	Napthlene (mg/L)	Napthlenes (mg/L)	pyrene (mg/L)	Fluorene (mg/L)
MW-6	10/02/01	ND	ND	ND	ND	ND						
(cont.)	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	0.001	ND	0.003	0.003	0.008				\	1	
	07/02/02	ND	ND	ND	ND	ND						
	10/08/02	ND	ND	0.002	ND	0.002						
	01/29/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00061
	04/02/03	0.0014	ND	0.0012	0.0012	0.0038						
	07/08/03	ND	ND	0.0010	0.0040	0.0050						
	12/18/03	ND ND	ND	ND	- ND	ND						
MW-7	02/16/93	ND	ND	ND	ND	ND						
	10/17/95	ND	ND	ND	ND	ND						
	02/07/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/96	ND	ND	ND	ND	ND						
	07/18/96	ND	ND	ND	ND	ND						
	10/02/96	ND	ND	ND	ND	ND						
	01/22/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/97	ND	ND	ND	ND	ND						
	07/16/97	ND	ND	ND	ND	ND	Ï		Ì		1	
	10/09/97	ND	ND	ND	ND	ND						
	01/22/98	ND	ND	ND	ND	ND	ND	0.001	ND	0.001	ND	ND
	05/05/98	ND	ND	ND	ND	ND						
	07/08/98	ND	ND	ND	ND	ND						
	10/02/98	ND	ND	ND	ND	ND						
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			İ			l
	07/13/99	ND	ND	ND	ND	ND						
	10/13/99	ND	ND	ND	ND	ND						1
	01/13/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/29/00	ND	ND	ND	ND	ND	İ					1
	07/12/00	ND	ND	ND	0.006	0.006						
	10/06/00	ND	ND	ND	0.004	0.004						
	01/03/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/05/01	0.006	0.012	0.013	0.034	0.065			ĺ			
	07/10/01	ND	ND	ND	ND	ND						
	10/02/01	ND	ND	ND	ND	ND			ĺ			l
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND	ND	ND			ĺ			
	07/02/02	ND	ND	ND	ND	ND			1			
	10/08/02	ND	ND	ND	ND	ND				L	1	
	01/29/03	ND	ND	ND.	- ND	ND .	ND:	ND	ND .	ND.	ND .	ND.

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

				BTEX					PAH			
Monitor	Date			Ethyl-	Total		1-Methyl-	2-Methyl-		Total	Benzo(a)	
Well	Sampled	Benzene (mg/L)	Toluene (mg/L)	Benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	napthlene (mg/L)	napthlene (mg/L)	Napthlene (mg/L)	Napthlenes (mg/L)	pyrene (mg/L)	Fluorene (mg/L)
MW-7	04/02/03	ND	ND	ND	ND	ND	, ,	\				, , ,
(cont.)	07/08/03	ND	ND	ND	ND	ND						
, ,	12/18/03	ND	ND	ND:	ND	ND						
MW-8	09/30/93	PSH	PSH	PSH	PSH	PSH						
	10/17/95	PSH	PSH	PSH	PSH	PSH						
	02/07/96	PSH	PSH	PSH	PSH	PSH						
	04/03/96	PSH	PSH	PSH	PSH	PSH						
	07/18/96	PSH	PSH	PSH	PSH	PSH						
	10/02/96	0.003	0.007	0.082	0.052	0.144				:		
	01/22/97	PSH	PSH	PSH	PSH	PSH						
	04/10/97	ND	0.001	0.054	0.016	0.071						
	05/05/98	ND	ND	0.002	0.004	0.006						
	04/15/99	0.002	ND	ND	0.001	0.003						
	04/28/00	ND	ND	ND	ND	ND						
	04/05/01	ND	ND	ND	ND	ND						
	04/10/02	ND	ND	ND	ND	ND						
	01/29/03	NS	NS	NS	NS	NS						
	04/02/03	ND	ND.	ND	ND	ND			ł			
	07/08/03	NS	NS	NS	NS	NS						
	12/18/03	ND	ND	ND	ND							
MW-9	09/30/93	ND	ND	ND	ND	ND						
	10/17/95	ND	ND	ND	ND	ND ND	ND	ND			, , n	
	02/07/96	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND
	04/03/96 07/18/96	ND ND	ND	ND	ND 0.003	ND 0.002						
	10/02/96	ND ND	ND ND	ND ND	0.003 ND	0.003 ND						
	01/22/97	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	NE	NITS.	\ \.\.	ND
	04/10/97	ND ND	ND ND	ND ND	ND ND	ND ND	שא	ND	ND	ND	ND	ND
	07/16/97	ND ND	ND	ND ND	ND ND	ND ND			1			
	10/09/97	ND ND	ND	ND ND	ND ND	ND ND					ĺ	
	01/22/98	ND ND	ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND	ND
	05/05/98	ND ND	ND	ND ND	ND ND	ND	140	"	""	110	""	מאי
	07/08/98	ND ND	ND	ND ND	ND	ND ND				1		
	10/02/98	ND	ND	ND	ND	ND						
	01/14/99	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	ND	ND	ND	ND	ND			1	""	'''	'''
	07/13/99	ND	ND	ND	ND	ND					I	
	10/13/99	ND	ND	ND	ND	ND						
	01/13/00	0.002	0.002	ND	ND	0.004	ND	ND	ND	ND	ND	ND
	04/28/00	0.008	0.003	ND	ND	0.011	_					

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

				BTEX			7/12/2		PAH			
Monitor	Date	-		Ethyl-	Total		1-Methyl-	2-Methyl-		Total	Benzo(a)	
Well	Sampled	Benzene	Toluene	Benzene	Xylenes	Total BTEX	napthlene	napthlene	Napthlene	Napthlenes	pyrene	Fluorenc
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-9	07/12/00	ND	ND	ND	ND	ND						
(cont.)	04/05/01	ND	ND	ND	ND	ND						
	07/10/01	ND	ND	ND	ND	ND			<u> </u>	1		
	10/02/01	ND	ND	ND	ND	ND						
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND	ND	ND						
	07/02/02	ND	ND	ND	ND	ND						
	10/08/02	ND	ND	ND	ND	ND					İ	İ
	01/29/03	ND	ND -	ND	ND.	ND	ND	ND	ND	ND	ND	ND
	04/02/03	ND	ND	ND	ND	ND						
	07/08/03	ND -	ND.	ND	ND	ND:						
	12/18/03	ND	ND	ND	ND	ND						
MW-10	09/30/93	ND	ND	0.009	0.001	0.010						
	10/17/95	ND	0.003	ND	ND	0.003						
	02/07/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/03/96	0.001	ND	ND	0.002	0.003						
	07/18/96	ND	0.002	ND	ND	0.002						
	10/02/96	ND	ND	ND	0.007	0.007]	
	01/22/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/97	ND	0.001	ND	ND	0.001						
	07/16/97	0.002	ND	ND	0.005	0.007						
	10/09/97	ND	ND	ND	ND	ND						
	01/22/98	ND	ND	ND	ND	ND	ND	0.001	ND	0.001	ND	ND
	05/05/98	0.002	ND	ND	0.003	0.005					l	
	07/08/98	ND	ND	ND	ND	ND						
	10/02/98	ND	ND	ND	0.003	0.003						
	01/14/99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/15/99	0.001	ND	ND	0.009	0.010		1				
	07/13/99	ND	ND	ND	ND	ND						
	10/13/99	ND	ND	ND	ND	ND						
	01/13/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/28/00	ND	ND	ND	ND	ND			{		1	
	07/12/00	ND	0.005	ND	0.020	0.025			1			
	10/06/00	ND	ND	ND	ND	ND						
	01/03/01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/05/01	ND	0.006	ND	ND	0.006			1			
	07/10/01	ND	ND	ND	ND	ND		}				
	10/02/01	0.010	ND	ND	ND	ND						
	01/28/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/10/02	ND	ND	ND	ND	ND				<u>l</u>	1]

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

				BTEX					PAH			
Monitor	Date			Ethyl-	Total		1-Methyl-	2-Methyl-		Total	Benzo(a)	
Well	Sampled	Benzene (mg/L)	Toluene (mg/L)	Benzene (mg/L)	Xylenes (mg/L)	Total BTEX (mg/L)	napthlene (mg/L)	napthlene (mg/L)	Napthlene (mg/L)	Napthlenes (mg/L)	pyrene (mg/L)	Fluorene (mg/L)
2422/10	07/02/02						(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-10	07/02/02 10/08/02	ND ND	ND	ND ND	ND	ND						
(cont.)	01/29/03	ND ND	ND ND	ND ND	ND ND	ND ND	ND I	ND	ND	ND ND	ND .	NID.
	04/02/03	ND ND	ND ND	ND ND	ND ND	ND ND	שא	NU	ND	L DID	ון עא וי	שא
	07/08/03	ND	ND ND	ND	ND ND	ND ND						į
	12/18/03	ND	ND	ND	ND.	ND						
MW-11	09/30/93	PSH	PSH	PSH	PSH	PSH				<u> </u>		
741 44-11	10/17/95	PSH	PSH	PSH	PSH	PSH						
	02/07/96	PSH	PSH	PSH	PSH	PSH				l		
	04/03/96	PSH	PSH	PSH	PSH	PSH						
	07/18/96	PSH	PSH	PSH	PSH	PSH	l			1	}	
	10/02/96	PSH	PSH	PSH	PSH	PSH						
	01/22/97	PSH	PSH	PSH	PSH	PSH						
	04/10/97	PSH	PSH	PSH	PSH	PSH						
	05/05/98	PSH	PSH	PSH	PSH	PSH						
	04/15/99	PSH	PSH	PSH	PSH	PSH						
	04/28/00	PSH	PSH	PSH	PSH	PSH						
	04/05/01	2.180	ND	0.596	0.268	3.040						
	04/10/02	2.890	0.193	0.968	0.538	4.590						
	07/02/02	PSH	PSH	PSH	PSH	PSH						
	10/08/02	PSH	PSH	PSH	PSH	PSH						
	01/29/03	PSH	PSH	PSH	PSH	PSH						
	04/02/03	2.150	0.171	1.010	0.846	4.177						
	07/08/03	NS.	NS	NS	NS	NS						
	12/18/03	NS	NS.	NS	NS .	NS						
MW-12	02/10/95	0.590	0.009	0.043	0.067	0.709						
	07/19/95 10/17/95	0.580 1.400	0.130 0.440	0.076 0.300	0.032	0.818						
	10/17/93	0.680	0.440	0.300	0.163 0.100	2.303 1.240						
	04/10/97	0.840	0.180	0.230	0.100	1.395						
	10/09/97	0.780	0.230	0.100	0.073	1.157						
	05/05/98	0.780	0.230	0.390	0.130	1.820						
	04/15/99	0.770	0.070	0.280	0.058	1.178						
	04/28/00	0.240	0.019	0.120	0.011	0.390					1	
	04/05/01	0.195	ND	0.022	ND	0.218				1	1	
	04/10/02	0.301	ND	0.164	ND	0.465				1		
	01/29/03	NS	NS I	NS	NS	NS						
	04702703	0.290	ND	0.121	0.0037	0.4147				ļ		
	07/03/03	NS	NS -	NS.	NS	NS T		İ				
	12/18/03	NS	NS -	NS	NS	NS			L		t	

Table 2
LEA STATION
WATER SAMPLE ANALYTICAL RESULTS

				BTEX					PAH			
Monitor Well	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethyl- Benzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	1-Methyl- napthlene (mg/L)	2-Methyl- napthlene (mg/L)	Napthlene (mg/L)	Total Napthlenes (mg/L)	Benzo(a) pyrene (mg/L)	Fluoren (mg/L)
MW-13	02/10/95	ND	ND	ND	ND	ND						
	07/19/95	ND	ND	ND	ND	ND						
	10/17/95	ND	ND	ND	ND	ND						
	10/02/96	ND	ND	ND	ND	ND						
	04/10/97	ND	ND	ND	ND	ND						
	10/09/97	ND	ND	ND	ND	ND						
	05/05/98	ND	ND	ND	ND	ND						
	04/15/99	ND	ND	ND	ND	ND						
'	04/28/00	ND	ND	ND	ND	ND		1				
	04/05/01	0.009	ND	ND	NĐ	0.009						
	04/10/02	ND	ND	ND	ND	ND	-					
	01/29/03	' NS	NS	NS	NS	NS						
	04/02/03	ND	ND	ND	ND	ND						
	07/08/03	NS	NS	NS	NS	NS						į.
	12/18/03	NS	NS	_ NS	NS	NS						
RW-1	01/29/03	NS	NS	NS	NS	NS						
	04/02/03	NS	NS	NS	NS	NS						
	07/08/03	NS	NS	NS	NS	NS			1			
	12/18/03	ND	ND	ND	ND	ND.						

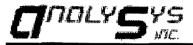
ND = None Detected

NS = Not Sampled

PSH = PSH present in the well, not sampled

APPENDIX

APPENDIX A LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORM



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

Report#/Lab 1D#: 151273

Report Date: 01/05/04

Project ID: 2003-00339

Sample Name: WLELS121803MW1

Sample Matrix: water

Date Received: 12/23/2003 Time: 12:00 Time: 01:00 Date Sampled: 12/18/2003

Client: Environmental Plus, Inc.

Attn: Pat McCasland Address: 2100 Ave. O

Eunice

NM 88231

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

REPORT OF ANALYSIS

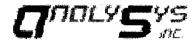
REPORT OF ANALYSIS							QUALITY	ASSUR.	ANCE DA	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					12/31/03	8260b(5030/5035)			***		
Benzene	403	μg/L	10	<10	12/31/03	8260b		6	103.1	98.5	103.1
Ethylbenzene	75.8	μg/L	1	<1	12/31/03	8260b		7	109.2	108.5	101.1
m,p-Xylenes	19.8	μg/L	2	<2	12/31/03	8260b		6.5	109.4	108.9	101.2
o-Xylene	<1	μg/L	1	<1	12/31/03	8260b	j	6.2	111.2	109.8	104.8
Toluene	<1	μg/L	1	<1	12/31/03	8260b		4.9	109.1	107.7	109

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

Report Date: 01/05/04



Client:

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

Environmental Plus, Inc. | Project 1D: 2003-00339

Attn: Pat McCasland Sample Name: WLELS121803MW1

Report#/Lab 1D#: 151273 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	103	80-120	
Toluene-d8	8260ъ	102	88-110	

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

Exceptions	Report:
------------	---------

Report #/Lab 1D#: 151273 Matrix: water		
Client: Environmental Plus, Inc.	Attn: Pat McCasland	
Project 1D: 2003-00339		
Sample Name: WLFI S121803MW1		

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

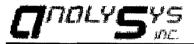
Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

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
-Xylene	J	See J-flag discussion above.
otes:		



QUALITY ASSURANCE DATA 1

Client: Environmental Plus, Inc.

Attn: Pat McCasland
Address: 2100 Ave. O

Eunice

NM 88231

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

Report#/Lab ID#: 151274

Report Date: 01/05/04

Project ID: 2003-00339

Sample Name: WLELS121803MW3

Sample Matrix: water

REPORT OF ANALYSIS

NEI ONI OF ANALISIS								QUALITY ASSURANCE DATA				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴	
Volatile organics-8260b/BTEX					12/31/03	8260b(5030/5035)						
Benzene	959	μg/L	10	<10	12/31/03	8260b		6	103.1	98.5	103.1	
Ethylbenzene	39.4	μg/L	1 1	<1	12/31/03	8260b		7	109.2	108.5	101.1	
m,p-Xylenes	7.16	μg/L	2	<2	12/31/03	8260b		6.5	109.4	108.9	101.2	
o-Xylene	<1	μg/L	1	<1	12/31/03	8260ь		6.2	111.2	109.8	104.8	
Toluene	<1	μg/L	1	<1	12/31/03	8260b		4.9	109.1	107.7	109	

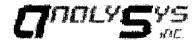
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Respectfully Submitted.

Richard Elton

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Report Date: 01/05/04



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

Client: Environmental Plus, Inc. Project 1D: 2003-00339

Pat McCasland Attn:

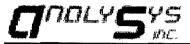
Report#/Lab 1D#: 151274 Sample Name: WLELS121803MW3 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	98.8	80-120	
Toluene-d8	8260b	104	88-110	

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

Report Date: 01/05/04 Page#: 2



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Client: Environmental Plus, Inc.

Attn: Pat McCasland Address: 2100 Ave. O

Eunice

NM 88231

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

Report#/Lab ID#: 151275

Report Date: 01/05/04

Project ID: 2003-00339

Sample Name: WLELS121803MW4

Sample Matrix: water

Date Received: 12/23/2003 Time: 12:00 Time: 01:25 Date Sampled: 12/18/2003

DEPORT OF ANALYSIS

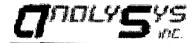
REPORT OF ANALYSIS							QUALITY ASSURANCE DATA ¹				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					12/31/03	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	12/31/03	8260b	***	3.3	104	97.8	106.4
Ethylbenzene	<1	μg/L	1	<1	12/31/03	8260b		3.3	116.1	113.1	114.6
m,p-Xylenes	<2	μg/L	2	<2	12/31/03	8260b		1.3	108.5	104.7	109
o-Xylene	<1	μg/L	1	<1	12/31/03	8260b		12	123.9	111.3	112.1
Toluene	<1	μg/L	1	<1	12/31/03	8260b		1.9	108.9	101.7	110.9

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Richard Elton

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Report Date: 01/05/04



Attn:

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Client: Environmental Plus, Inc.

Project ID: 2003-00339

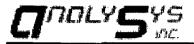
Sample Name: WLELS121803MW4

Report#/Lab ID#: 151275
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.2	80-120	
Toluene-d8	8260b	108	88-110	

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



Pat McCasland

(505) 394-3481

Client:

Phone:

Attn:

Environmental Plus, 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 1D#: 151276

Report Date: 01/05/04

Project ID: 2003-00339

Sample Name: WLELS121803MW5

Sample Matrix: water

Date Received: 12/23/2003 Date Sampled: 12/18/2003

Time: 12:00 Time: 01:35

QUALITY ASSURANCE DATA¹

REPORT OF ANALYSIS

Eunice

Address: 2100 Ave. O

V31 V1 11 1 JAD							QUILLIT HODOWINGED DITTI				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					12/31/03	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	12/31/03	8260Ъ	J	6	103.1	98.5	103.1
Ethylbenzene	<1	μg/L	1	<1	12/31/03	8260Ъ		7	109.2	108.5	101.1
m,p-Xylenes	<2	μg/L	2	<2	12/31/03	8260b		6.5	109.4	108.9	101.2
o-Xylene	<1	μg/L	1	<1	12/31/03	8260Ъ		6.2	111.2	109.8	104.8
Toluene	<1	μg/L	1	<1	12/31/03	8260Ъ		4.9	109.1	107.7	109

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Richard Elton

NM

FAX: (505) 394-2601

88231

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Report Date: 01/05/04



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Environmental Plus, Inc. | Project 1D: 2003-00339

Attn: Pat McCasland Sample Name: WLELS121803MW5

Report#/Lab ID#: 151276 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	99.8	80-120	
Toluene-d8	8260b	104	88-110	

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

Exce	ptions	s Report	:
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Report #/Lab 1D#: 151276 Matrix: water	
Client: Environmental Plus, Inc.	Attn: Pat McCasland
Project ID: 2003-00339	
Sample Name: WLELS121803MW5	

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

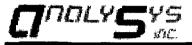
Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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



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Eunice

NM 88231

Phone: (505) 394-3481
REPORT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab 1D#: 151277

Report Date: 01/05/04

Project ID: 2003-00339

Sample Name: WLELS121803MW6

Sample Matrix: water

QUALITY ASSURANCE DATA¹

									TITOLD DA		
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					12/31/03	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	12/31/03	8260ь		0.9	102.8	103.7	100.7
Ethylbenzene	<1	μg/L	1	<1	12/31/03	8260ъ	l	2	105.9	110.9	104
m,p-Xylenes	<2	μg/L	2	<2	12/31/03	8260ъ	 	2.5	107.5	111.6	105.3
o-Xylene	<1	μg/L	1	<1	12/31/03	8260ь		1.4	107.6	111.2	104.9
Toluene	<1	μg/L	1	<1	12/31/03	8260ъ		1	107.5	115.4	106.5

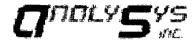
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Richard Elton

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Report Date: 01/05/04



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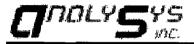
Attn: Pat McCasland | Sample Name: WLELS121803MW6

Report#/Lab ID#: 151277 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	94.9	80-120	
Toluene-d8	8260b	105	88-110	

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



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QUALITY ASSUDANCE DATA 1

Report#/Lab 1D#: 151278

Report Date: 01/05/04

Project ID: 2003-00339

Sample Name: WLELS121803MW7

Sample Matrix: water

Date Received: 12/23/2003 Time: 12:00 Time: 02:00 Date Sampled: 12/18/2003

Client: Environmental Plus, Inc.

(505) 394-3481

Attn: Pat McCasland Address: 2100 Ave. O

Phone:

Page#: 1

Funice

88231 NM

FAX: (505) 394-2601

DEPODT OF ANALYSIS

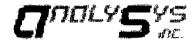
KEI OKI OF ANALISIS	KI OF ANALISIS								QUALITI ASSURANCE DATA					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴			
Volatile organics-8260b/BTEX					12/30/03	8260b(5030/5035)								
Benzene	<1	μg/L	1	<1	12/30/03	8260b		0.9	102.8	103.7	100.7			
Ethylbenzene	<1	μg/L	1	<1	12/30/03	8260ь		2	105.9	110.9	104			
m,p-Xylenes	<2	μg/L	2	<2	12/30/03	8260ь		2.5	107.5	111.6	105.3			
o-Xylene	<1	μg/L	1	<1	12/30/03	8260ь		1.4	107.6	111.2	104.9			
Toluene	<1	μg/L	1	<1	12/30/03	8260ь		1	107.5	115.4	106.5			

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Report Date: 01/05/04



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Environmental Plus, Inc. | Project 1D: 2003-00339

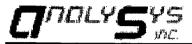
Pat McCasland Sample Name: WLELS121803MW7

Report#/Lab 1D#: 151278
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	
Toluene-d8	8260b	105	88-110	

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



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QUALITY ASSUDANCE DATA 1

Client: Environmental Plus, Inc.

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Address: 2100 Ave. O

Eunice

NM 88231

Phone: (505) 394-3481 FA

FAX: (505) 394-2601

Report#/Lab ID#: 151279

Report Date: 01/05/04

Project 1D: 2003-00339

Sample Name: WLELS121803MW9

Sample Matrix: water

REPORT OF ANALYSIS

REPORT OF ANALISIS	O MILLION								QUALITY ASSURANCE DATA					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴			
Volatile organics-8260b/BTEX					12/30/03	8260b(5030/5035)								
Benzene	<1	μg/L	1	<1	12/30/03	8260b	***	0.9	102.8	103.7	100.7			
Ethylbenzene	<1	μg/L	1	<1	12/30/03	8260ь		2	105.9	110.9	104			
m,p-Xylenes	<2	μg/L	2	<2	12/30/03	8260ь		2.5	107.5	111.6	105.3			
o-Xylene	<1	μg/L	1	<1	12/30/03	8260ь		1.4	107.6	111.2	104.9			
Toluene	<1	μg/L	1	<1	12/30/03	8260ь		1	107.5	115.4	106.5			

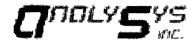
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Report Date: 01/05/04



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Client: Environmental Plus, Inc.

Project ID: 2003-00339

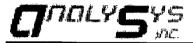
Pat McCasland Sample Name: WLELS121803MW9

Report#/Lab ID#: 151279
Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	107	80-120	
Toluene-d8	8260b	102	88-110	

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



Pat McCasland

Environmental Plus, Inc.

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Report#/Lab 1D#: 151280

Report Date: 01/05/04

Project 1D: 2003-00339

Sample Name: WLELS121803MW10

Sample Matrix: water

Date Received: 12/23/2003 Time: 12:00 Time: 02:30 Date Sampled: 12/18/2003

NM 88231

Phone: (505) 394-3481

Eunice

Address: 2100 Ave O

Client:

Attn:

FAX: (505) 394-2601

REPORT OF ANALYSIS

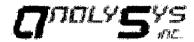
REPORT OF ANALYSIS						QUALITY ASSURANCE DATA ¹						
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴	
Volatile organics-8260b/BTEX					12/31/03	8260b(5030/5035)						
Benzene	<1	μg/L	1	<1	12/31/04	8260Ь		0.9	102.8	103.7	100.7	
Ethylbenzene	<1	μg/L	1	<1	12/31/04	8260b		2	105.9	110.9	104	
m,p-Xylenes	<2	μg/L	2	<2	12/31/04	8260ь		2.5	107.5	111.6	105.3	
o-Xylene	<1	μg/L	1	<1	12/31/04	8260b		1.4	107.6	111.2	104.9	
Toluene	<1	ug/L	1 1	<1	12/31/04	8260Ъ		1	107.5	115.4	106.5	

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Richard Elton

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Report Date: 01/05/04



Attn:

Pat McCasland

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

Client: Environmental Plus, Inc. | Project ID: 2003-00339

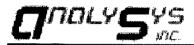
Sample Name: WLELS121803MW10

Report#/Lab ID#: 151280 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1,2-Dichloroethane-d4	8260b	101	80-120	
Toluene-d8	8260b	105	88-110	

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



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Report#/Lab ID#: 151281

Report Date: 01/05/04

Project ID: 2003-00339

Sample Name: WLELS121803RMW1

Sample Matrix: water

Date Received: 12/23/2003 Time: 12:00 Date Sampled: 12/18/2003 Time: 03:00

Client: Environmental Plus, Inc. Attn: Pat McCasland

Address: 2100 Ave. O

Eunice

88231 NM

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

DEPORT OF ANALYSIS

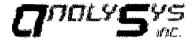
REPORT OF ANALYSIS		1					QUALITY ASSURANCE DATA ¹					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴	
Volatile organics-8260b/BTEX					12/30/03	8260b(5030/5035)						
Benzene	<1	μg/L	1	<1	12/30/03	8260b		0.9	102.8	103.7	100.7	
Ethylbenzene	<1	μg/L	1	<1	12/30/03	8260b		2	105.9	110.9	104	
m,p-Xylenes	<2	μg/L	2	<2	12/30/03	8260b		2.5	107.5	111.6	105.3	
o-Xylene	<1	μg/L	1	<1	12/30/03	8260ь		1.4	107.6	111.2	104.9	
Toluene	<1	μg/L	1	<1	12/30/03	8260b		1	107.5	115.4	106.5	

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Richard Elton

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Report Date: 01/05/04



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Project ID: 2003-00339 Client: Environmental Plus, Inc. Attn:

Sample Name: WLELS121803RMW1 Pat McCasland

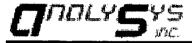
Report#/Lab 1D#: 151281 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers		
1,2-Dichloroethane-d4	8260ъ	99.6	80-120			
Toluene-d8	8260b	104	88-110			

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

Report Date: 01/05/04 Page#: 2



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#: 151282

Report Date: 01/05/04

Project ID: 2003-00339

Sample Name: WLELS121803MW8

Sample Matrix: water

Date Received: 12/23/2003 Time: 12:00 Time: 03:15 Date Sampled: 12/18/2003

Client: Environmental Plus, Inc. Attn: Pat McCasland

Address: 2100 Ave. O

Eunice

88231 NM

Phone: (505) 394-3481

FAX: (505) 394-2601

REPORT OF ANALYSIS

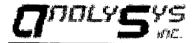
REPORT OF ANALYSIS					•	QUALITY ASSURANCE DATA ¹					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX					12/31/03	8260b(5030/5035)					
Benzene	<1	μg/L	1	<1	12/31/03	8260b		3.3	104	97.8	106.4
Ethylbenzene	<1	μg/L	1	<1	12/31/03	8260Ь		3.3	116.1	113.1	114.6
m,p-Xylenes	<2	μg/L	2	<2	12/31/03	8260Ь		1.3	108.5	104.7	109
o-Xylene	<1	μg/L	1	<1	12/31/03	8260Ъ		12	123.9	111.3	112.1
Toluene	<l< td=""><td>μg/L</td><td>1</td><td><1</td><td>12/31/03</td><td>8260Ъ</td><td></td><td>1.9</td><td>108.9</td><td>101.7</td><td>110.9</td></l<>	μg/L	1	<1	12/31/03	8260Ъ		1.9	108.9	101.7	110.9

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Richard Elton

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Report Date: 01/05/04



Attn:

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Client: Environmental Plus, Inc. | Project 1D: 2003-00339

Pat McCasland | Sample Name: WLELS121803MW8

Report#/Lab 1D#: 151282 Sample Matrix: water

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
1,2-Dichloroethane-d4	8260ь	93.8	80-120		
Toluene-d8	8260b	109	88-110		

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

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Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soii	Water	Waste	Lab I.D. # (Lab only)		319					/,			Comme	nts
WEELS1218&NWS	12-18-05	1:00	2		X		151273	X		·								
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W1815121803HW4	12-18-03	1:25	2		X		151275	X						-				
WEELSIDINGBAWS	12-18-03	1:35	2		X		151276	X										
WCELSIZISBIKW6	12-18-03	1:45	2		X		151277	X										T.
WCELSIZI8BAW7	12-18.03	2:00	2		X		151278	X				$ \bot $		_				
WEE15121833MW9	1	1	2		上		151279	入				_	_					
WLELSINSOBMWIO	12-18-03	2:30	2		X		151280	X						_				
WCELS121853RMW1	12.18203	3:00	2		入		151281	X						\perp				
WCELS12/80314W8	12-18-03	3:15	2		X		151282	X										
1)Unless specifically requested otherwise on the imits (MDL/PQL). For GC/MS volatiles and e \SI's HSL list at ASI's option. Specific components	xtractables, u	nless specific	analytical par	ameter	lists are	inalyses specified	will be conducted I on this chain-of	i using -custod	ASI's ly or a	metho ttached	d of ch I to this	oice an chain	nd all d -of-cus	ata wi tody, .	ill be ASI v	reported to will default	to Priority	nal reporting Pollutants or

	Sample Relinquished	d By	Sample Received By					
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Poller Bl-	Mr. Bl Enjournation Plus 12-18	12-18.03		2. them	AS1	12/23/03	1200	

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

