AP - 37

ANNUAL MONITORING REPORT

YEAR(S):

2007

TALON LPE
"All the Pieces"

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

AUSTIN
3003 Tom Gary Cove
Building C-100
Round Rock, Texas 78664
Phone 512.989.3428
Fax 512.989.3487

MIDLAND
2901 State Highway 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

SAN ANTONIO
17170 Jordan Road
Suite 102
Selma, Texas 78154
Phone 210.579.0235
Fax 210.568.2191

TULSA
9906 East 43rd Street
Suite G
Tulsa, Oklahoma 74146
Phone 918.742.0871
Fax 918.742.0876

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

TYLER
719 West Front Street
Suite 255
Tyler, Texas 75702
Phone 903.531.9971
Fax 903.531.9979

HOUSTON
3233 West 11th Street
Suite 400
Houston, Texas 77008
Phone 713.861.0081
Fax 713.868.3208

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LOVINGTON DEEP 6"
NMOCD REF. # AP-037
2007 ANNUAL GROUNDWATER MONITORING REPORT
LEA COUNTY, NEW MEXICO
PLAINS SRS #2002-10312

Section 6, Township 17 South, Range 36 East

Prepared for:

PLAINS MARKETING, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

Prepared by:

Talon/LPE
Shanna L. Smith
318 E. Taylor Street
Hobbs, New Mexico 88240

Distribution:
Copy 1 – Plains Lovington
Copy 2 – Plains Houston
Copy 3 – NMOCD Hobbs
Copy 4 – NMOCD Santa Fe
Copy 5 – Talon/LPE

March 28, 2008

Lovington Deep 6"
2007 Annual Groundwater Monitoring Report

Plains Marketing, L.P.
Houston, Texas

Talon/LPE PROJECT NO. PLAINS046SPL

Prepared by:

Shanna L. Smith
Project Manager

Kyle Waggoner
Regional Manager

Talon/LPE
318 E. Taylor Street
Hobbs, New Mexico 88240

March 28, 2008

PLAINS ALL AMERICAN

RECEIVED
2008 APR 1 PM 2 13

March 28, 2008

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

Re: Plains All American – Annual Monitoring Reports
6 Sites in Lea County, New Mexico

Dear Mr. Hansen,

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

CS Caylor	Section 6, Township 17 South, Range 37 East, Lea County
Lovington Deep 6"	Section 6, Township 17 South, Range 36 East, Lea County
Hobbs Junction Mainline	Section 26, Township 18 South, Range 37 East, Lea County
Kimbrough Sweet 8"	Section 3, Township 18 South, Range 37 East, Lea County
8" Moore to Jal #1	Section 16, Township 17 South, Range 37 East, Lea County
8" Moore to Jal #2	Section 16, Township 17 South, Range 37 East, Lea County

Talon LPE prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed Talon in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

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

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

Distribution List

Name	Title	Company or Agency	Mailing Address	e-mail
Ed Hansen	Environmental Engineer	NMOCD	1220 South St. Francis Drive Santa Fe, NM 87505	edwardjhansen@state.nm.us
Larry Johnson	Environmental Engineer	NMOCD	1625 French Dr. Hobbs, NM 88231	lwjohnson@state.nm.us
Camille Reynolds	Remediation Coordinator	Plains All American Pipeline	3112 West U.S. Hwy 82 Lovington, NM 88260	cjreynolds@paalp.com
Jeff Dann	Senior Environmental Specialist	Plains All American Pipeline	P. O. Box 4648 Houston, TX 77210-4648	jpdann@paalp.com
File		Talon/LPE	318 East Taylor Street Hobbs, New Mexico 88240	ssmith@talonlpe.com

NMOCD - New Mexico Oil Conservation Division

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Appendices

ANNUAL GROUNDWATER MONITORING REPORT

1.0 Introduction

The Lovington Deep 6" release site is located approximately 5.8 miles southwest of Lovington in Lea County, New Mexico. The release occurred on property which is utilized as pasture land and owned by Mr. Darr Angell. The site is located within the West Lovington oil field, with no residences or surface water within a 1,000-foot radius of the release site. The remediation area is surrounded by a barbed wire fence and is gated.

In December 2002, a release of approximately 25 barrels (bbls) of crude oil with 10 bbls recovered, occurred at the site due to corrosion of the pipeline. Approximately 6,000 square feet of surface area was impacted by the release. Surficial soil impacted by the release was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm for treatment.

On February 5, 2007, Talon/LPE was retained by Plains to assume remediation activities at the Lovington Deep 6" release site. Remediation activities at the site were previously conducted by Environmental Plus, Inc. (EPI).

2.0 Previous Site Investigation/Remediation

In an initial effort to delineate the extent of impacted soil at the site, six soil borings were advanced from December 27, 2002 through January 2, 2004. During the advancement of soil boring BH-1, groundwater was encountered and was found to be impacted by phase separated hydrocarbons (PSH). Subsequently, soil boring BH-1 was completed as a groundwater monitor well, MW-2. Soil borings BH-2, BH-4 through BH-6 were advanced to delineate the impacted area and were completed as groundwater monitor wells, MW-1, MW-3, MW-4, and MW-5.

During November and December 2004, six additional groundwater monitor wells (MW-6 through MW-11) were installed to further delineate the lateral extent of groundwater impact at the site. In July 2006, another six groundwater monitor wells (MW-12 through MW-17) were installed.

PSH recovery operations have been performed at the site since March 2003. A summary of the historical groundwater gauging and PSH recovery data is provided as Table 1. Approximately 727 gallons (17 bbls) of PSH have been recovered to date.

3.0 Groundwater Gradient and PSH Thickness

Based on gauging data collected during 2007, groundwater elevations measured at the site generally varied by less than one foot during the course of the calendar year. The overall groundwater gradient across the site appears to trend generally to the east. Based on existing data, the groundwater gradient slope is 0.002 ft/ft. Groundwater gradient maps are presented as Figures 2a through 2d.

During 2007 gauging events, PSH thickness readings from the monitor wells ranged from "not-present" to a maximum of 6.44 feet (MW-13). Based on available data, the PSH thickness in monitor wells MW-13, MW-14, MW-16, and MW-17 appears to be increasing, and monitor well MW-15 exhibited measurable PSH beginning in February 2007. The overall PSH thickness appears to be decreasing for monitor well MW-2. PSH thickness measurements for selected dates are presented as Figures 3a through 3d.

4.0 PSH Recovery

In 2007, approximately 259 gallons (6 bbls) of crude oil were recovered and reintroduced into the Plains pipeline system at Lea Station. As of December 31, 2007, the cumulative total of crude oil recovered from the site is approximately 727 gallons (17 bbls).

5.0 Groundwater Sampling

Groundwater sampling events occurred on April 4, June 19, September 19, and December 4, 2007. During the sampling event of April 4, 2007, groundwater monitor wells MW-1 and MW-3 through MW-12 were sampled and submitted for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX) using SW-846 Method 8021B and for quantification of polycyclic aromatic hydrocarbons (PAH) using EPA/SW-846 Methods 610 and 8270C. During the sampling events of June 19, September 19, and December 4, groundwater monitor wells MW-1 and MW-3 through MW-12 were sampled and submitted for quantification of BTEX by SW-846 Method 8021B.

Groundwater monitor wells MW-2 and MW-13 through MW-17 were not sampled in 2007 due to the presence of PSH.

6.0 Groundwater Analytical Results

Groundwater analytical data from this site was compared to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards. The following paragraphs provide summaries of the analytical results from each groundwater sampling event of 2007. Analytical results for the four sampling events are summarized in Table 2 (BTEX), Table 3 (PAH), and Figures 3a through 3d. Laboratory data sheets are included as Appendix C.

New Mexico Water Quality Control Commission (NMWQCC) groundwater standards

Compound	mg/L
Benzene	0.010
Toluene	0.750
Ethylbenzene	0.750
Total Xylenes	0.620
PAH's	0.030

April 4, 2007

Monitor wells MW-1 and MW-3 through MW-12 were sampled and analyzed for BTEX and PAH during the April sampling event. Analytical results from this sampling event indicate that BTEX constituents were detected above the laboratory reporting limits in monitor wells MW-3, MW-4, MW-5, MW-10 and MW-12. BTEX constituent concentrations exceeded the NMWQCC groundwater standards in monitor wells MW-3 (benzene at 18.9 mg/L, toluene at 5.98 mg/L, ethylbenzene at 0.907 mg/L, and total xylenes at 1.97 mg/L), MW-4 (benzene at 0.634 mg/L), MW-10 (benzene at 10.4 mg/L) and MW-12 (benzene at 0.172 mg/L). PAH constituents were detected above the laboratory reporting limits in monitor wells MW-3, MW-4, MW-10, and MW-12. The reported naphthalene concentration from monitor well MW-3 (0.0439 mg/L) was above the NMWQCC groundwater standard of 0.030 mg/L.

June 19, 2007

Monitor wells MW-1 and MW-3 through MW-12 were sampled and analyzed for BTEX during the June sampling event. Analytical results from this sampling event indicate that BTEX constituents were detected above the laboratory reporting limits in monitor wells MW-3 through MW-5 and MW-9 through MW-12. The BTEX constituent concentrations exceeded the NMWQCC groundwater standards in monitor wells MW-3 (benzene at 14.2 mg/L, toluene at 3.02 mg/L, and total xylenes at 1.32 mg/L), MW-4 (benzene at 0.414 mg/L), MW-10 (benzene at 11.5 mg/L) and MW-12 (benzene at 0.298 mg/L).

September 19,2007

Monitor wells MW-1 and MW-3 through MW-12 were sampled and analyzed for BTEX during the September sampling event. Analytical results from this sampling event indicate that BTEX constituents were detected above the laboratory reporting limits in monitor wells MW-3 through MW-5, MW-10, and MW-12. The BTEX constituent concentrations exceeded the NMWQCC groundwater standards in monitor wells MW-3 (benzene at 10.8 mg/L, toluene at 2.00 mg/L, and total xylenes at 1.06 mg/L), MW-4 (benzene at 0.0179 mg/L), MW-5 (benzene at 0.0383 mg/L), MW-10 (benzene at 8.05 mg/L) and MW-12 (benzene at 0.264 mg/L).

December 4, 2007

Monitor wells MW-1 and MW-3 through MW-12 were sampled and analyzed for BTEX during the December sampling event. Analytical results from this sampling event indicate that BTEX constituents were detected above the laboratory reporting limits in monitor wells MW-3, MW-5, MW-10, and MW-12. The BTEX constituent concentrations exceeded the NMWQCC groundwater standards in monitor wells MW-3 (benzene at 12.2 mg/L, toluene at 1.78 mg/L, ethylbenzene at 0.762 mg/L, and total xylenes at 1.16 mg/L), MW-5 (benzene at 0.0628 mg/L), MW-10 (benzene at 11.1 mg/L) and MW-12 (benzene at 0.420 mg/L).

7.0 Recommendations

Based on field monitoring and analytical results collected during 2007, the following activities are recommended for the site:

1) Gauge the monitor wells weekly to record water and PSH levels.

2) Continue to operate the automated skimmer recovery system that was installed in March 5, 2008, to achieve more efficient PSH recovery.

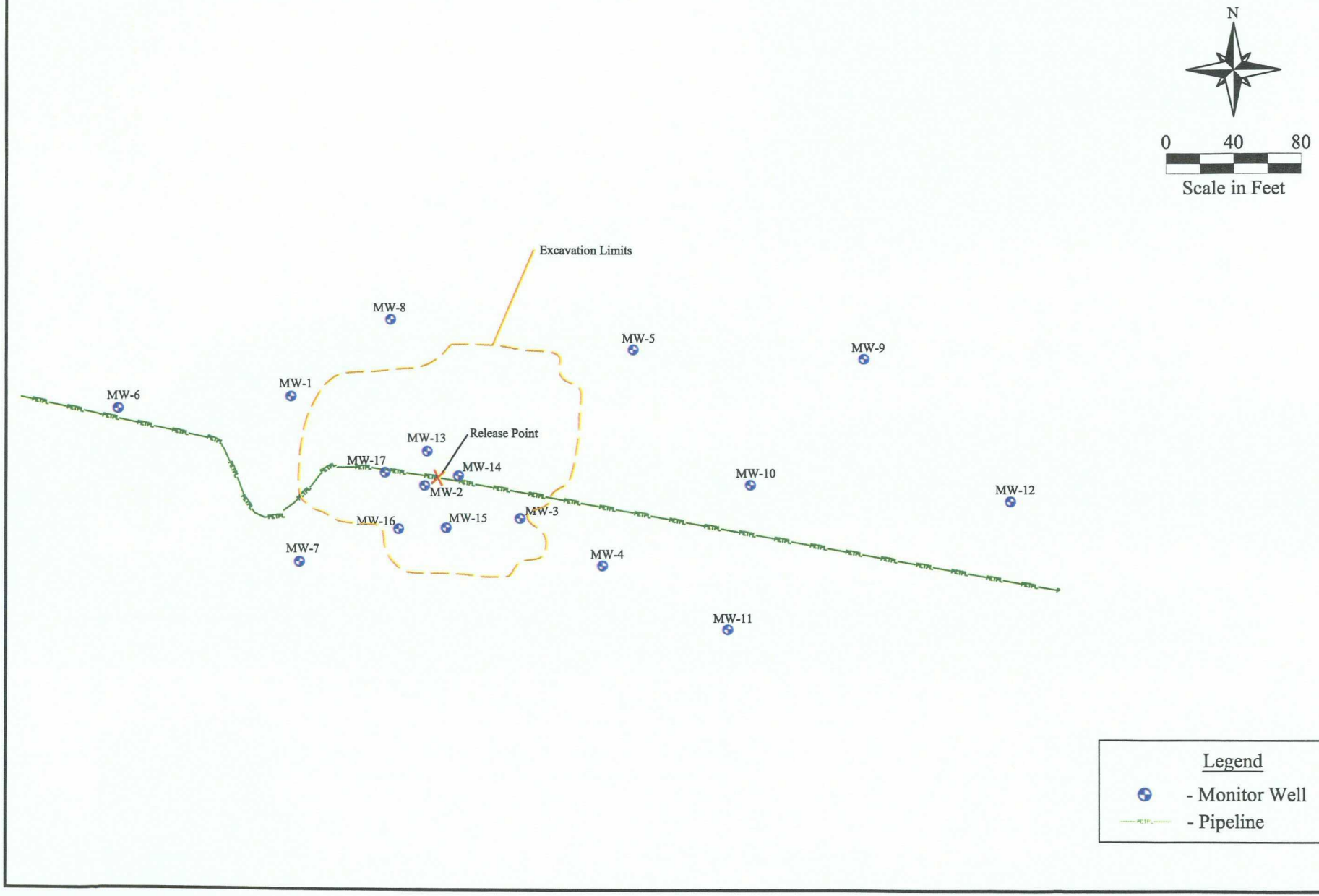
3) Monitor wells MW-1 and MW-3 through MW-12 will be sampled and analyzed for BTEX quarterly and PAH annually.

4) Monitor wells MW-2 and MW-MW-13 through MW-17 will be added to the quarterly sampling/analysis schedule when PSH is no longer present in each well. Pursuant to the request of the NMOCD, Plains will collect a discrete sample below the PSH in the water table from these monitor wells on a yearly basis to evaluate BTEX, TPH, and PAH concentrations in the groundwater.

5) Assess the need for additional monitor wells in order to address down-gradient delineation of the dissolve-phase plume by evaluating the weekly gauging of the monitor wells, as well as the quarterly groundwater sampling.

Appendix A
Drawings

Figure 1 – Site Plan
Figure 2a – Groundwater Gradient Map (04/04/2007)
Figure 2b – Groundwater Gradient Map (06/19/2007)
Figure 2c – Groundwater Gradient Map (09/19/2007)
Figure 2d – Groundwater Gradient Map (12/04/2007)
Figure 3a – PSH Thickness & Groundwater Concentration Map (04/04/2007)
Figure 3b – PSH Thickness & Groundwater Concentration Map (06/19/2007)
Figure 3c – PSH Thickness & Groundwater Concentration Map (09/19/2007)
Figure 3d – PSH Thickness & Groundwater Concentration Map (12/04/2007)

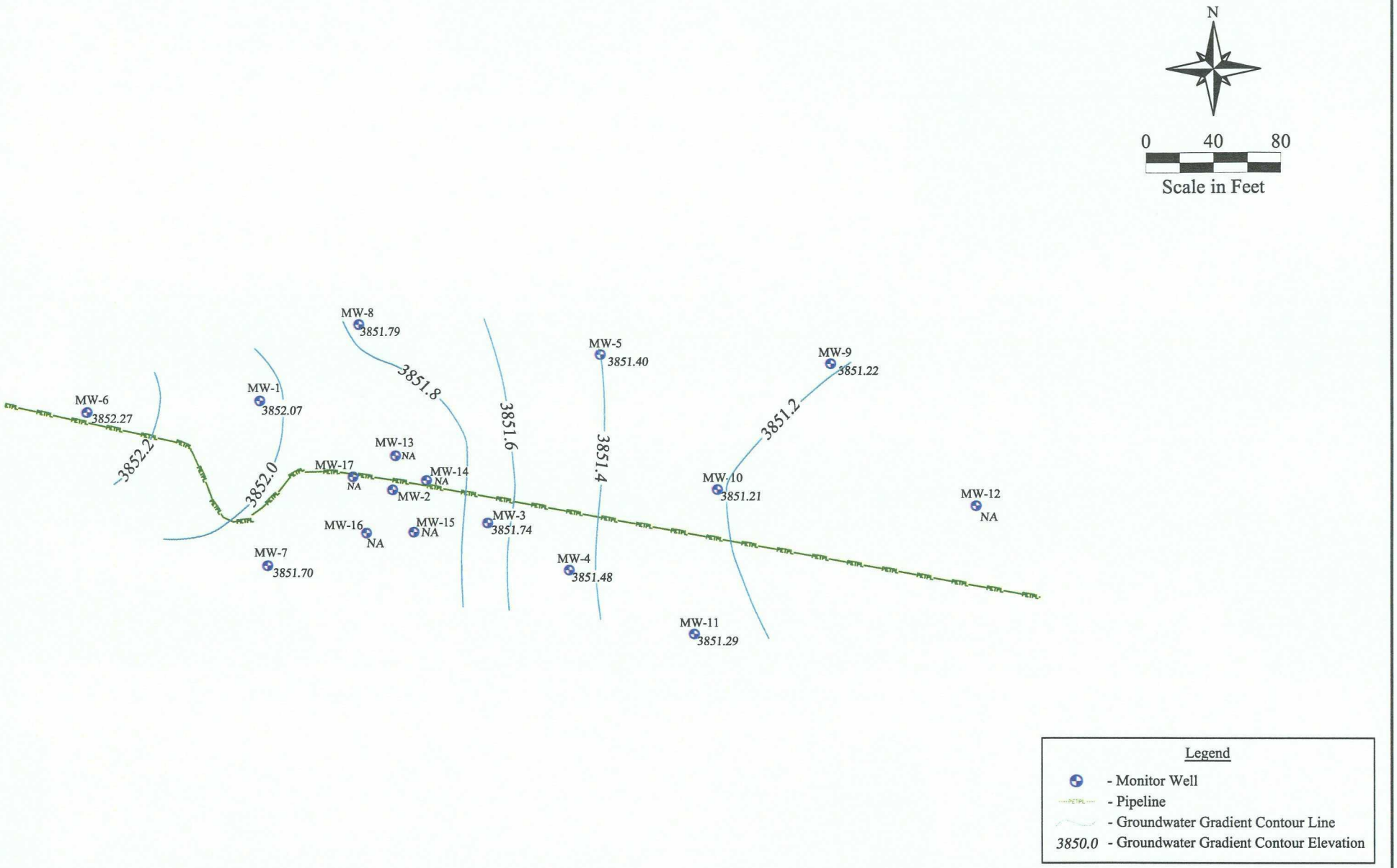


TALON LPE

Date:	03/25/2008
Scale:	1" = 80'
Drawn By:	SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029
SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
Figure 1 - Site Plan



TALON LPE

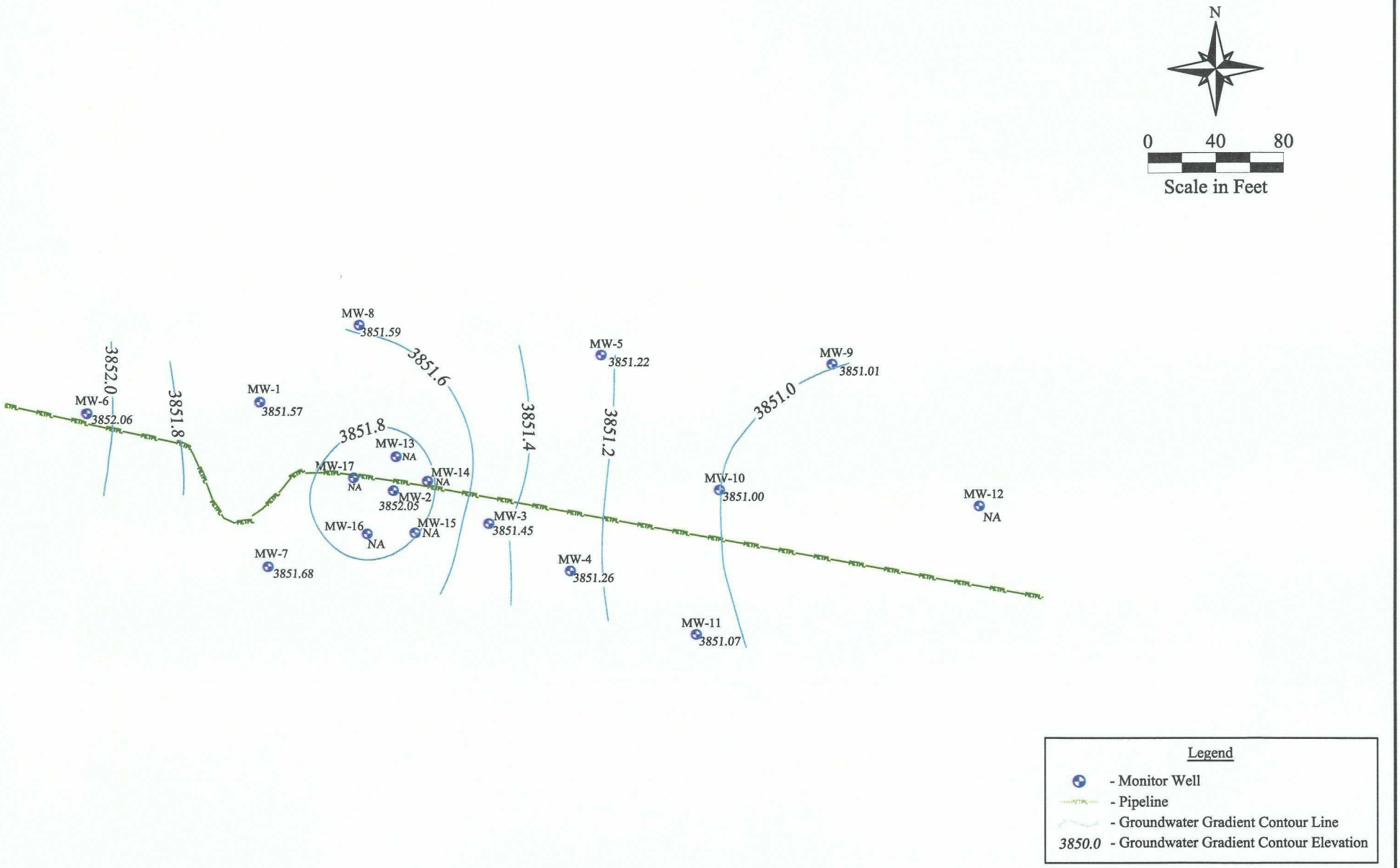
Date: 03/26/2008
Scale: 1" = 80'
Drawn By: SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029

SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico

Figure 2a - Groundwater Gradient Map, (04/04/2007)



TALON LPE

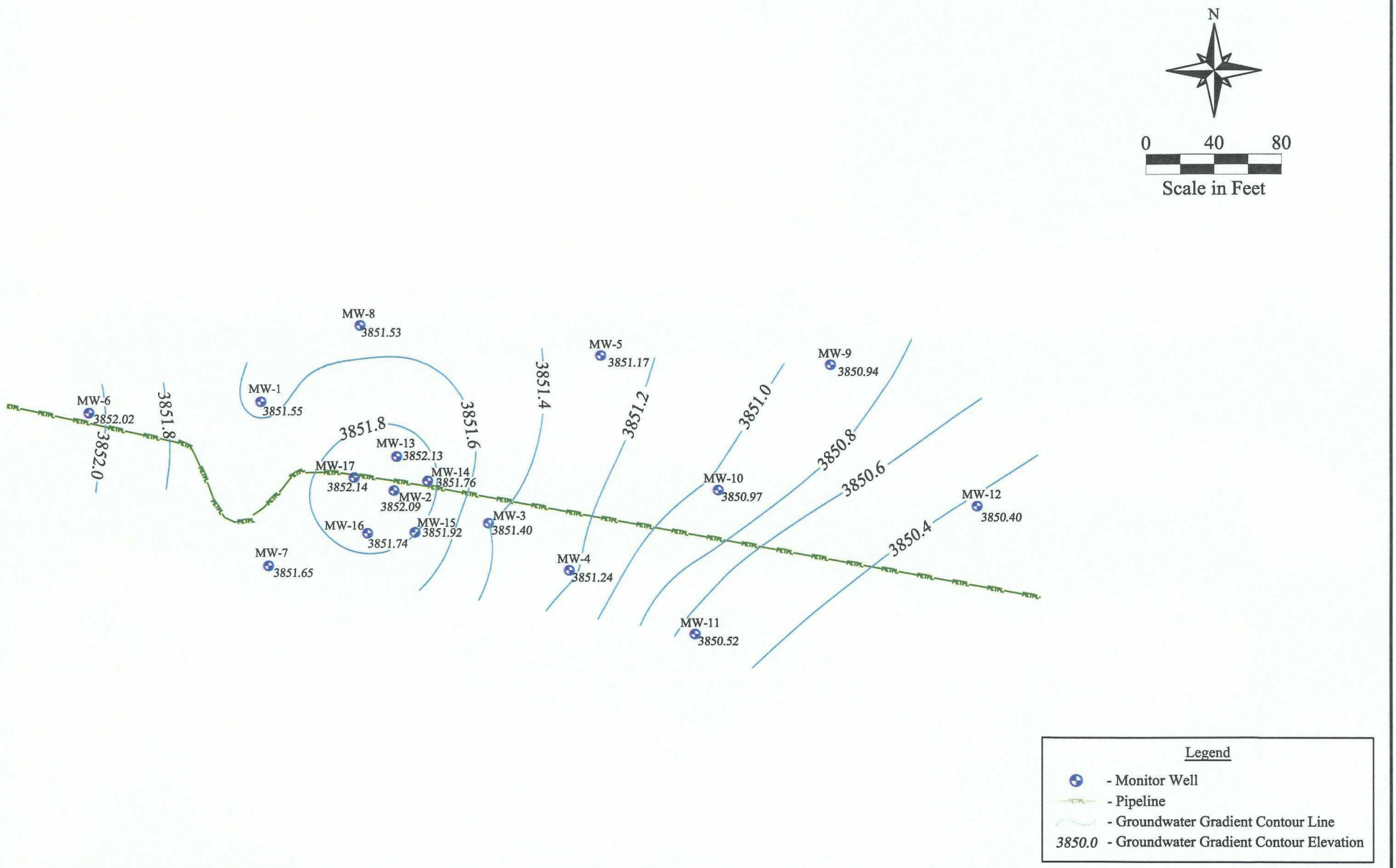
Date: 03/26/2008
Scale: 1" = 80'
Drawn By: SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029

SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico

Figure 2b- Groundwater Gradient Map, (06/19/2007)



TALON LPE

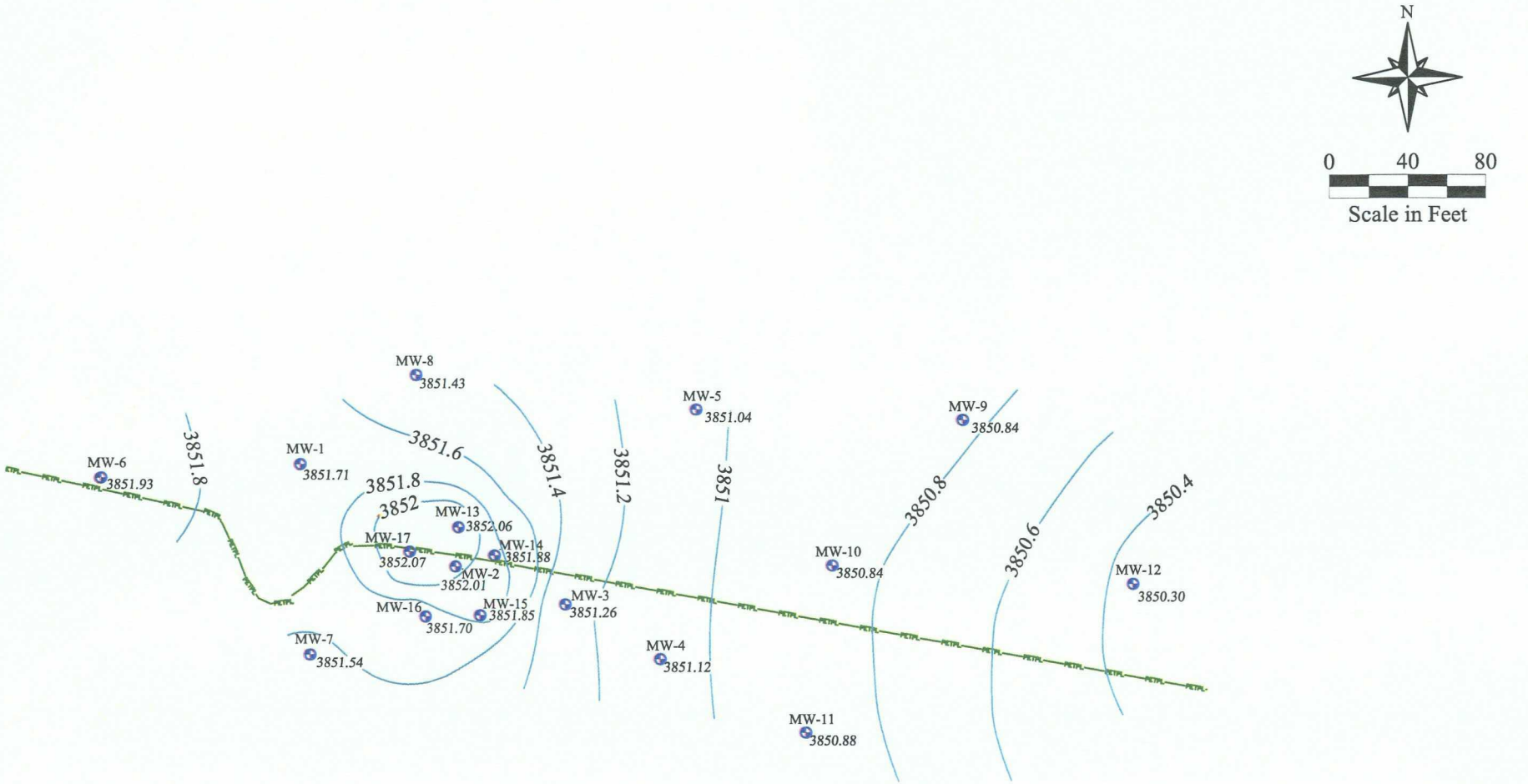
Date: 03/26/2008
Scale: 1" = 80'
Drawn By: SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029

SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico

Figure 2c - Groundwater Gradient Map, (09/19/2007)



TALON LPE

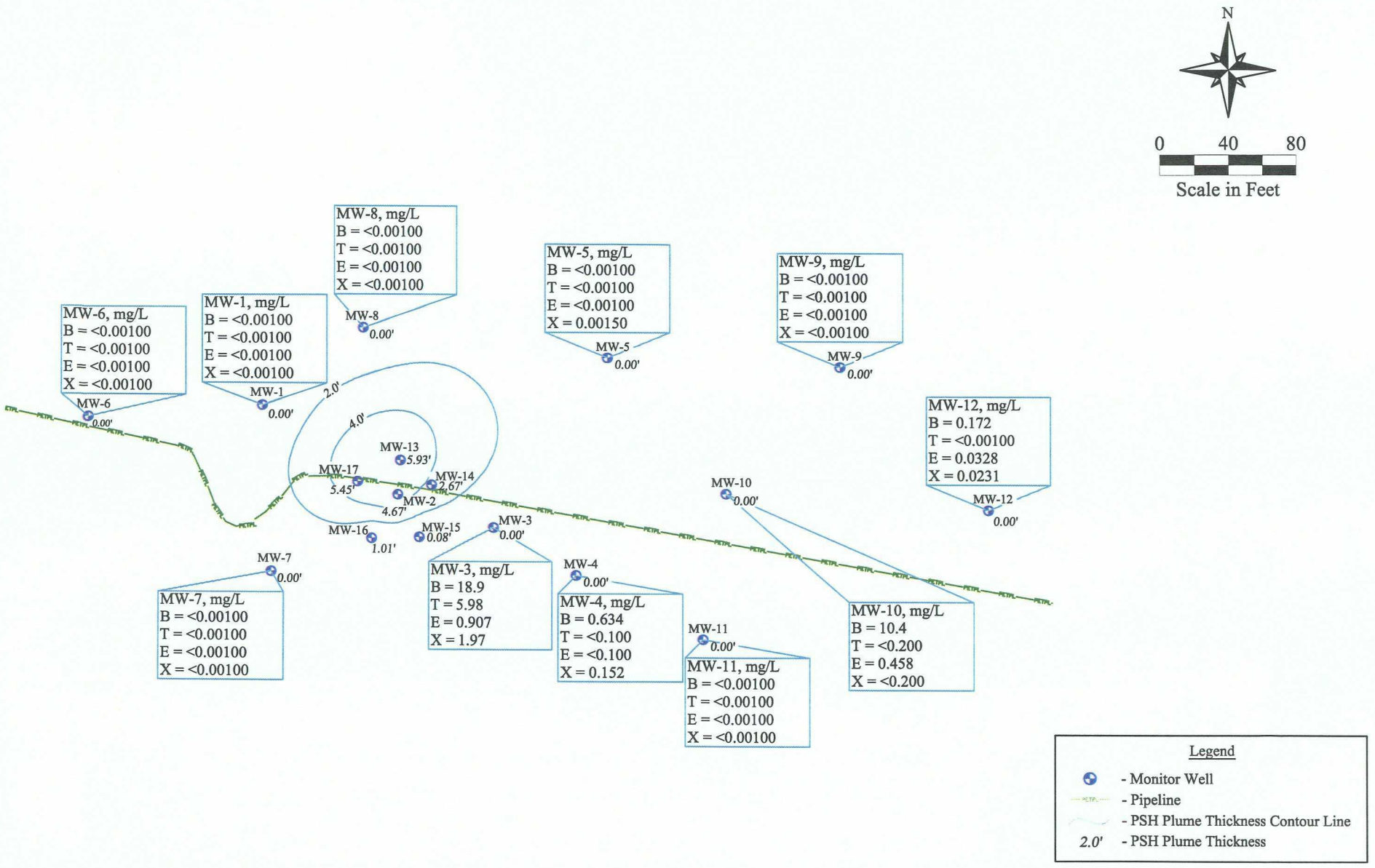
Date: 03/26/2008
Scale: 1" = 80'
Drawn By: SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029

SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico

Figure 2d- Groundwater Gradient Map, (12/04/2007)

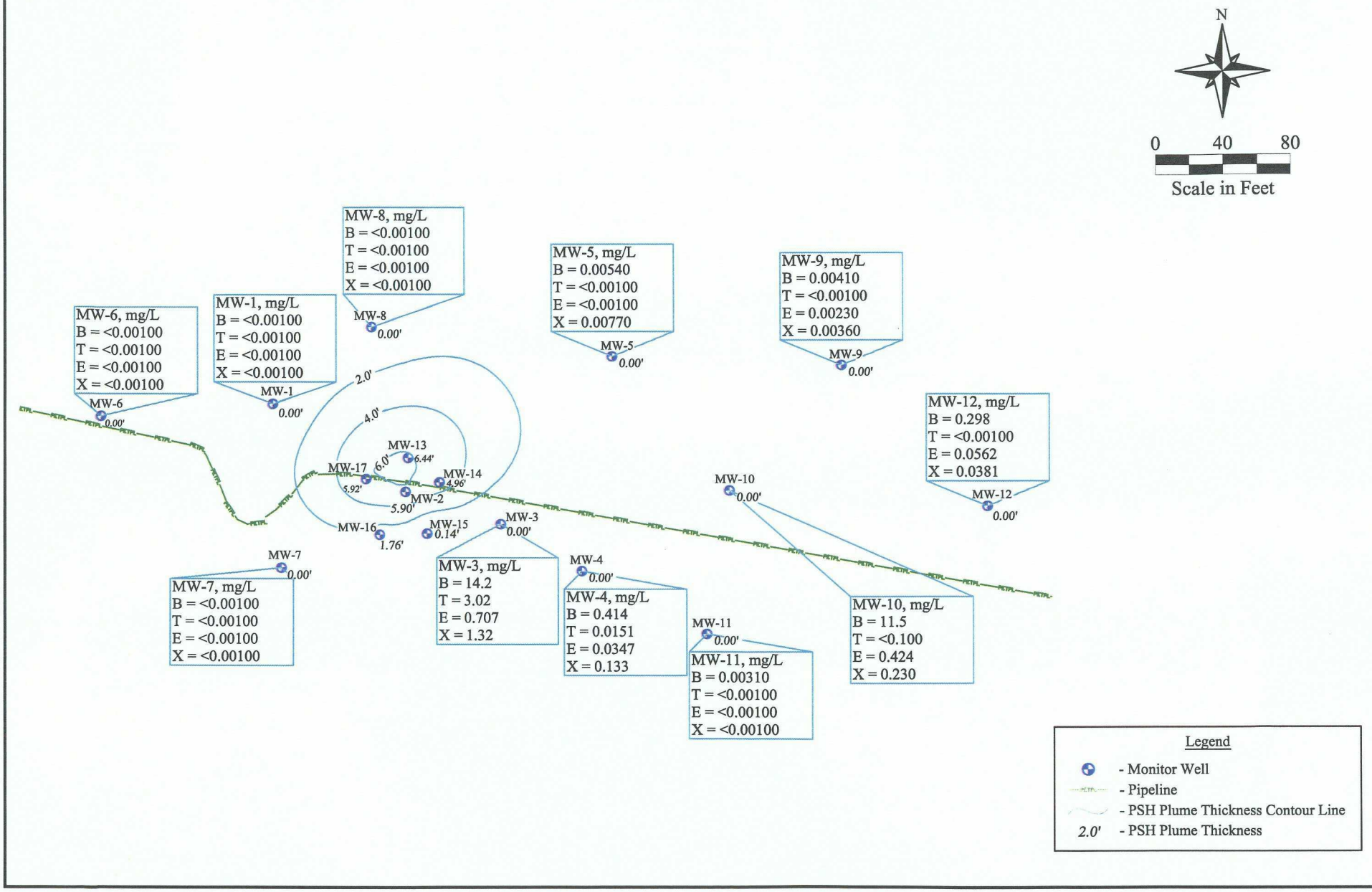


TALON LPE

Date: 03/26/2008
Scale: 1" = 80'
Drawn By: SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029
SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
Figure 3a - PSH Thickness & Groundwater Concentration Map , (04/04/2007)



TALON LPE

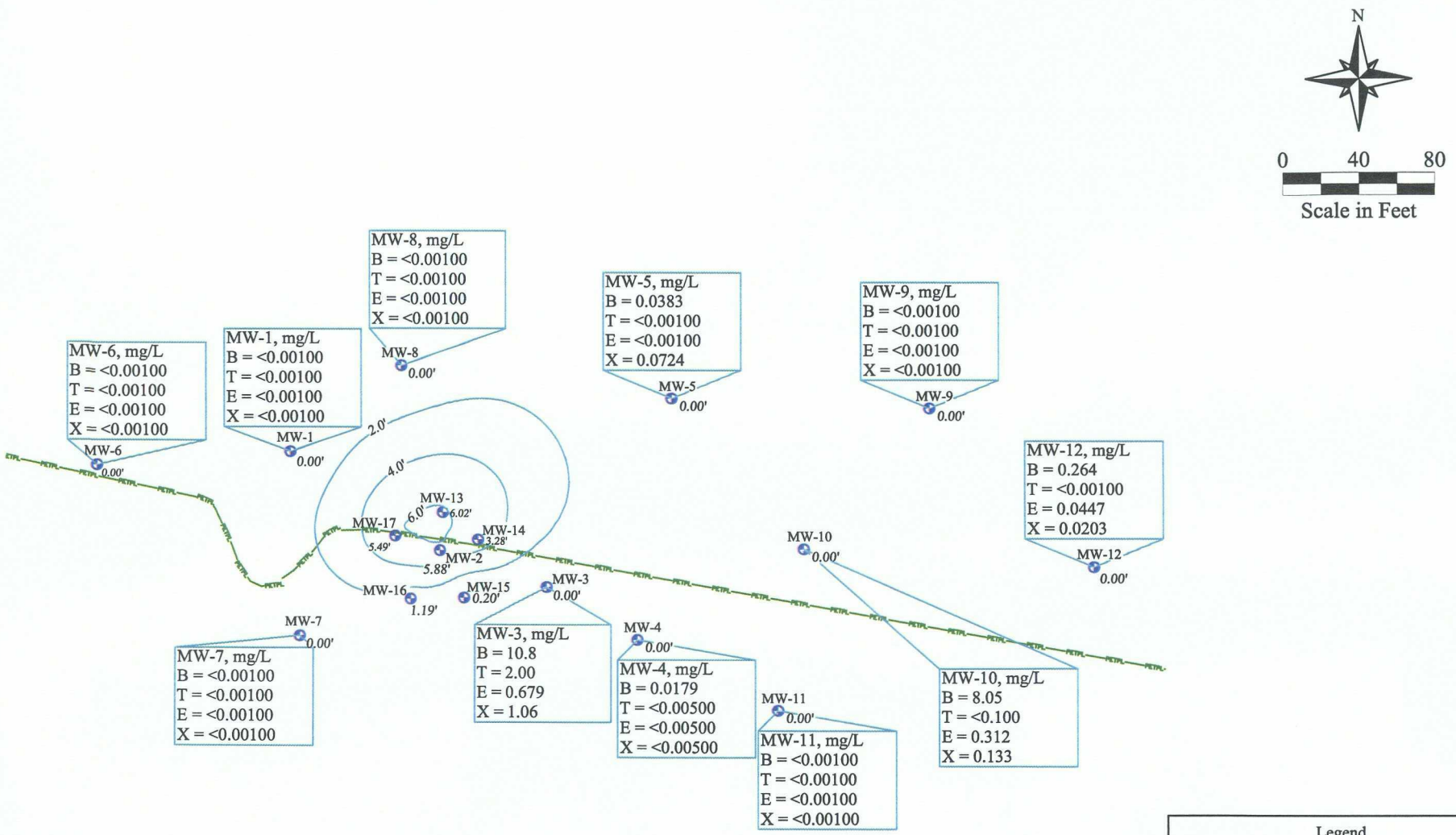
Date:	03/12/2008
Scale:	1" = 80'
Drawn By:	SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029

SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico

Figure 3b - PSH Thickness & Groundwater Concentration Map, (06/19/2007)



TALON LPE

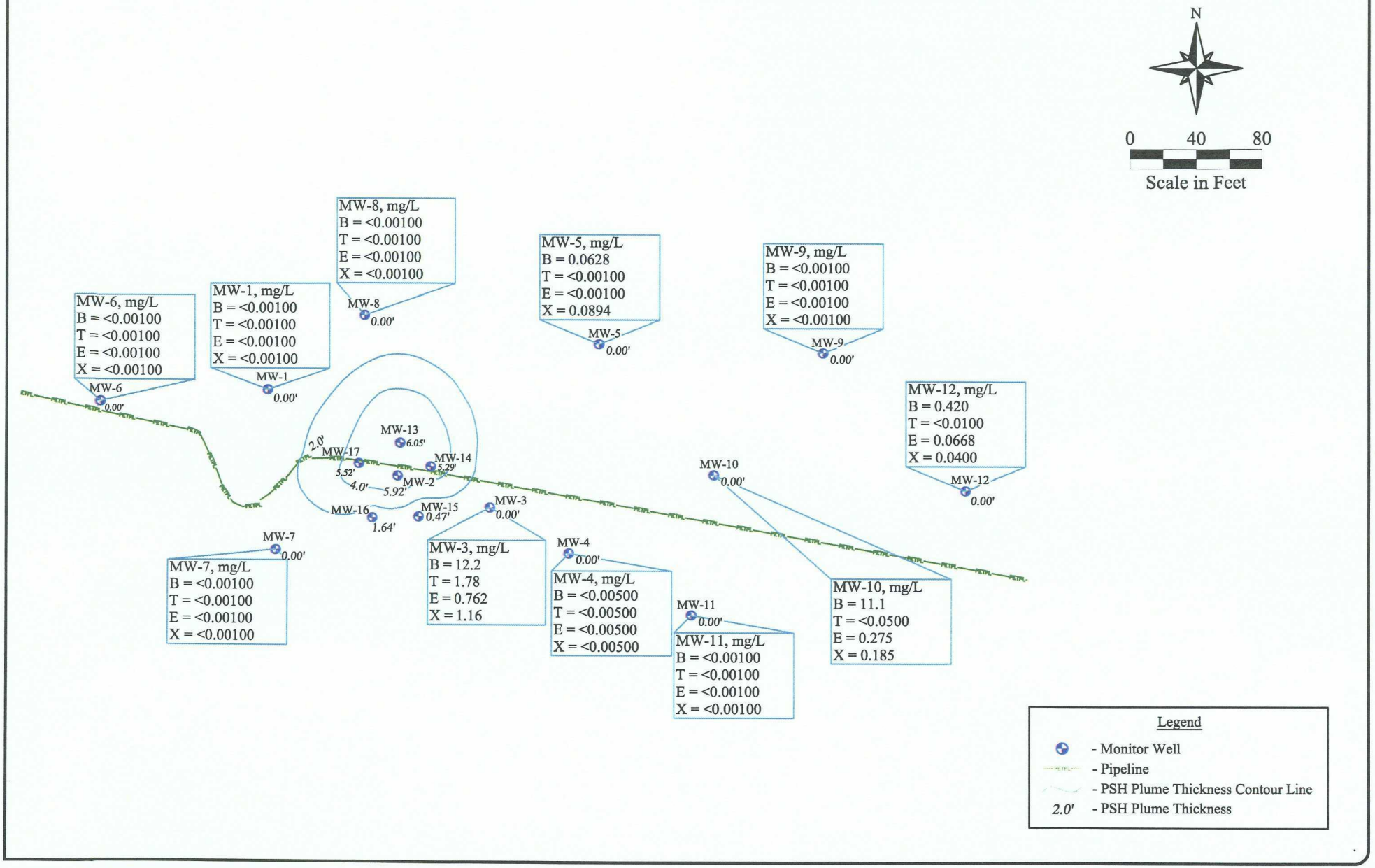
Date:	03/26/2008
Scale:	1" = 80'
Drawn By:	SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029

SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico

Figure 3c - PSH Thickness & Groundwater Concentration Map, (09/19/2007)



TALON LPE

Date: 03/26/2008
Scale: 1" = 80'
Drawn By: SJA

Lovington Deep 6"

SRS # 2002-10312, NMOCD REF. # AP-0029

SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico

Figure 3d - PSH Thickness & Groundwater Concentration Map (12/04/2007)

APPENDIX B

Tables

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-1	03/04/03	3,915.51		63.81	3,851.70		
	09/18/03			63.95	3,851.56		
	11/10/03			63.97	3,851.54		
	04/14/04			64.04	3,851.47		
	05/06/04			64.01	3,851.50		
	06/04/04			64.04	3,851.47		
	06/16/04			64.05	3,851.46		
	07/09/04			64.03	3,851.48		
	07/20/04			64.04	3,851.47		
	09/10/04			64.08	3,851.43		
	09/23/04			64.04	3,851.47		
	10/01/04			63.43	3,852.08		
	10/21/04			63.60	3,851.91		
	11/03/04			63.70	3,851.81		
	11/18/04			63.72	3,851.79		
	12/13/04			63.50	3,852.01		
	12/20/04			63.56	3,851.95		
	01/10/05			63.51	3,852.00		
	01/25/05			63.49	3,852.02		
	02/18/05			63.51	3,852.00		
	03/30/05			63.42	3,852.09		
	05/03/05			63.43	3,852.08		
	05/20/05			63.40	3,852.11		
	08/23/05			63.38	3,852.13		
	11/22/05			63.40	3,852.11		
	01/16/06			63.38	3,852.13		
	02/17/06			63.39	3,852.12		
	03/17/06			63.33	3,852.18		
	03/24/06			63.31	3,852.20		
	05/12/06			63.54	3,851.97		
	05/30/06			63.47	3,852.04		
	06/09/06			63.31	3,852.20		
	07/07/06			63.49	3,852.02		
	07/14/06			63.49	3,852.02		
	08/08/06			63.35	3,852.16		
	08/25/06			63.58	3,851.93		
	09/15/06			63.41	3,852.10		
	09/29/06			63.47	3,852.04		
	10/13/06			63.41	3,852.10		
	10/20/06			63.41	3,852.10		
	10/27/06			63.49	3,852.02		
	11/10/06			63.48	3,852.03		
	11/20/06			63.48	3,852.03		
	12/01/06			63.50	3,852.01		
	12/08/06			63.50	3,852.01		
	12/15/06			63.51	3,852.00		
	12/27/06			63.57	3,851.94		
	01/05/07			63.55	3,851.96		
	01/15/07			63.58	3,851.93		
	01/29/07			63.59	3,851.92		
	02/08/07			63.33	3,852.18		
	02/20/07			63.65	3,851.86		
	03/06/07			63.05	3,852.46		
	03/15/07			63.64	3,851.87		
	04/04/07			63.44	3,852.07		
	04/11/07			63.55	3,851.96		
	04/18/07			63.55	3,851.96		
	04/24/07			63.65	3,851.86		
	05/22/07			63.67	3,851.84		
	06/19/07			63.94	3,851.57		
	08/08/07			63.65	3,851.86		
	08/17/07			63.68	3,851.83		
	08/24/07			63.67	3,851.84		
	09/19/07			63.96	3,851.55		
	10/03/07			63.98	3,851.53		
	11/15/07			63.74	3,851.77		
	12/04/07			63.80	3,851.71		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
	03/04/03	3,915.04					
	06/17/03		62.29	70.02	3,851.98	7.73	
	08/14/03		62.34	70.04	3,851.93	7.70	
	08/28/03		62.50	69.94	3,851.80	7.44	9.0
	09/18/03		62.51	69.95	3,851.79	7.44	
	10/13/03		62.50	69.96	3,851.79	7.46	
	10/24/03		62.35	70.05	3,851.92	7.70	
	11/10/03		62.45	69.59	3,851.88	7.14	
	11/17/03		62.38	69.98	3,851.90	7.60	
	11/18/03		62.95	67.37	3,851.65	4.42	
	12/04/03		62.57	69.75	3,851.75	7.18	
	02/09/04		62.45	69.87	3,851.85	7.42	
	03/15/04		62.42	69.95	3,851.87	7.53	
	03/25/04		62.43	69.95	3,851.86	7.52	10.0
	04/14/04		62.68	69.42	3,851.69	6.74	
	05/06/04		62.75	70.31	3,851.53	7.56	
	06/04/04		62.77	70.33	3,851.51	7.56	5.7
	06/16/04		62.73	69.51	3,851.63	6.78	20.0
	07/09/04		62.40	69.97	3,851.88	7.57	17.0
	07/20/04		63.20	68.95	3,851.27	5.75	35.0
	09/10/04		62.52	69.70	3,851.80	7.18	25.0
	09/23/04		62.49	69.69	3,851.83	7.20	11.0
	10/01/04		60.50	71.07	3,853.48	10.57	30.0
	10/21/04		61.96	68.57	3,852.42	6.61	13.0
	11/03/04		62.27	68.22	3,852.18	5.95	12.0
	11/18/04		62.43	67.81	3,852.07	5.38	8.0
	12/13/04		62.05	68.29	3,852.37	6.24	8.0
	12/20/04		62.04	68.31	3,852.37	6.27	8.5
	01/10/05		62.11	68.29	3,852.31	6.18	8.0
	01/25/05		62.10	68.21	3,852.33	6.11	8.0
	02/18/05		62.06	68.27	3,852.36	6.21	8.5
	03/30/05		62.02	68.30	3,852.39	6.28	3.0
	05/03/05		62.04	68.24	3,852.38	6.20	10.0
	05/20/05		62.03	68.16	3,852.40	6.13	10.0
	08/23/05		61.94	68.23	3,852.47	6.29	10.0
	11/22/05		62.05	68.20	3,852.38	6.15	10.0
	12/08/05		61.99	68.25	3,852.42	6.26	10.0
MW-2	01/16/06		62.00	68.20	3,852.42	6.20	9.0
	02/17/06		62.15	67.60	3,852.35	5.45	8.0
	03/03/06		62.06	68.00	3,852.39	5.94	7.3
	03/10/06		62.05	67.87	3,852.41	5.82	10.0
	03/17/06		62.12	67.71	3,852.36	5.59	11.0
	03/24/06		62.05	67.95	3,852.40	5.90	12.0
	03/31/06		62.07	67.91	3,851.89	5.29	7.5
	04/07/06		62.11	67.89	3,852.35	5.78	7.0
	04/13/06		62.11	67.80	3,852.36	5.69	6.7
	04/21/06		62.12	67.86	3,852.35	5.74	7.1
	04/28/06		62.09	67.91	3,852.37	5.82	6.8
	05/05/06		62.14	67.77	3,852.34	5.63	6.8
	05/12/06		62.14	67.81	3,852.33	5.67	6.9
	05/19/06		62.11	67.97	3,852.34	5.86	7.0
	05/30/06		62.01	67.99	3,852.43	5.98	7.0
	06/02/06		62.00	67.83	3,852.46	5.83	7.0
	06/09/06		62.04	67.81	3,852.42	5.77	7.0
	06/16/06		62.11	67.91	3,852.35	5.80	7.0
	06/30/06		62.05	67.97	3,852.40	5.92	7.0
	07/07/06		62.07	67.96	3,852.38	5.89	7.0
	07/14/06		62.08	67.96	3,852.37	5.88	7.0
	07/21/06		62.06	68.01	3,852.39	5.95	7.0
	07/28/06		62.15	67.98	3,852.31	5.83	6.5
	08/25/06		62.05	68.02	3,852.39	5.97	7.0
	09/15/06		62.07	68.04	3,852.37	5.97	
	09/22/06		62.10	68.11	3,851.51	5.09	8.0
	09/29/06		62.11	67.91	3,852.35	5.80	7.0
	10/06/06		62.16	67.91	3,852.31	5.75	6.0
	10/13/06		62.11	68.02	3,852.34	5.91	6.5
	10/20/06		62.25	67.87	3,852.23	5.62	6.6
	10/27/06		62.09	67.97	3,852.36	5.88	7.0
	11/03/06		62.09	67.97	3,852.36	5.88	7.0
	11/10/06		62.17	68.09	3,852.28	5.92	6.2
	11/20/06		62.17	67.95	3,852.29	5.78	6.0
	12/01/06		62.20	68.08	3,852.25	5.88	6.8
	12/08/06		62.20	68.08	3,852.25	5.88	7.0
	12/15/06		62.21	68.02	3,852.25	5.81	6.5
	12/27/06		62.19	68.27	3,852.24	6.08	7.0

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-2	01/05/07		62.21	68.46	3,852.21	6.25	7.2
	01/15/07		62.21	68.91	3,852.16	6.70	6.3
	01/29/07		63.01	68.05	3,851.53	5.04	6.0
	02/08/07		62.25	68.07	3,852.21	5.82	
	02/20/07		62.33	68.35	3,852.11	6.02	5.0
	03/06/07		62.37	68.41	3,852.07	6.04	
	03/15/07		62.30	68.21	3,852.15	5.91	5.0
	04/04/07		63.58	68.25	3,850.99	4.67	
	04/11/07		62.34	68.31	3,852.10	5.97	6.0
	04/18/07		62.34	68.31	3,852.10	5.97	5
	04/24/07		62.36	68.13	3,852.10	5.77	4
	05/22/07		62.33	63.28	3,852.62	0.95	5
	06/19/07		62.40	68.30	3,852.05	5.90	
	08/08/07		62.36	68.32	3,852.08	5.96	5.5
	08/17/07		62.34	68.21	3,852.11	5.87	5
	08/24/07		62.37	68.12	3,852.10	5.75	5.5
	09/19/07		62.36	68.24	3,852.09	5.88	
	10/03/07		62.41	68.32	3,852.04	5.91	5.5
	10/11/07		62.45	68.22	3,852.01	5.77	5.5
	10/18/07		62.44	68.17	3,852.03	5.73	5.5
	12/03/07		62.44	68.36	3,852.01	5.92	

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-3	03/04/03	3,915.24		64.01	3,851.23		
	09/18/03			64.14	3,851.10		
	11/10/03			64.15	3,851.09		
	04/14/04			64.20	3,851.04		
	05/06/04			64.20	3,851.04		
	06/04/04			64.23	3,851.01		
	06/16/04			64.24	3,851.00		
	07/09/04			64.23	3,851.01		
	07/20/04			64.23	3,851.01		
	09/10/04			64.25	3,850.99		
	09/23/04			64.25	3,850.99		
	10/01/04			63.41	3,851.83		
	10/21/04			63.71	3,851.53		
	11/03/04			63.83	3,851.41		
	11/18/04			63.84	3,851.40		
	12/13/04			63.65	3,851.59		
	12/20/04			63.73	3,851.51		
	01/10/05			63.70	3,851.54		
	01/25/05			63.64	3,851.60		
	02/18/05			63.67	3,851.57		
	03/30/05			63.54	3,851.70		
	05/03/05			63.59	3,851.65		
	05/20/05			63.56	3,851.68		
	08/23/05			63.51	3,851.73		
	11/22/05			63.50	3,851.74		
	01/16/06			63.55	3,851.69		
	02/17/06			63.58	3,851.66		
	03/17/06			63.58	3,851.66		
	03/24/06			63.59	3,851.65		
	04/13/06			63.60	3,851.64		
	05/12/06			63.62	3,851.62		
	05/30/06			63.68	3,851.56		
	06/09/06			63.58	3,851.66		
	07/07/06			63.69	3,851.55		
	07/14/06			63.70	3,851.54		
	08/08/06			63.49	3,851.75		
	08/25/06			63.79	3,851.45		
	09/15/06			63.54	3,851.70		
	09/29/06			63.61	3,851.63		
	10/13/06			63.59	3,851.65		
	10/20/06			63.55	3,851.69		
	10/27/06			63.64	3,851.60		
	11/10/06			62.63	3,852.61		
	11/20/06			63.64	3,851.60		
	12/01/06			63.74	3,851.50		
	12/08/06			63.72	3,851.52		
	12/15/06			63.75	3,851.49		
	12/27/06			63.77	3,851.47		
	01/05/07			63.77	3,851.47		
	01/15/07			63.78	3,851.46		
	01/29/07			63.76	3,851.48		
	02/08/07			63.48	3,851.76		
	02/20/07			63.79	3,851.45		
	03/06/07			63.79	3,851.45		
	03/15/07			63.78	3,851.46		
	04/04/07			63.50	3,851.74		
	04/11/07			63.78	3,851.46		
	04/18/07			63.85	3,851.39		
	04/24/07			63.82	3,851.42		
	05/22/07			63.83	3,851.41		
	06/19/07			63.79	3,851.45		
	08/08/07			63.80	3,851.44		
	08/17/07			63.82	3,851.42		
	08/24/07			63.82	3,851.42		
	09/19/07			63.84	3,851.40		
	10/03/07			63.81	3,851.43		
	12/03/07			63.98	3,851.26		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-4	03/04/03	3,915.30		64.25	3,851.05		
	09/18/03			64.35	3,850.95		
	11/10/03			64.38	3,850.92		
	04/14/04			64.43	3,850.87		
	05/06/04			64.41	3,850.89		
	06/04/04			64.47	3,850.83		
	06/16/04			64.47	3,850.83		
	07/09/04			64.47	3,850.83		
	07/20/04			64.45	3,850.85		
	09/10/04			64.48	3,850.82		
	09/23/04			64.53	3,850.77		
	10/01/04			63.95	3,851.35		
	10/21/04			64.05	3,851.25		
	11/03/04			64.11	3,851.19		
	11/18/04			64.13	3,851.17		
	12/13/04			63.93	3,851.37		
	12/20/04			64.01	3,851.29		
	01/10/05			63.96	3,851.34		
	01/25/05			63.92	3,851.38		
	02/18/05			63.95	3,851.35		
	03/30/05			63.85	3,851.45		
	05/03/05			63.82	3,851.48		
	05/20/05			63.82	3,851.48		
	08/23/05			63.48	3,851.82		
	11/22/05			63.72	3,851.58		
	01/16/06			63.81	3,851.49		
	02/17/06			63.80	3,851.50		
	03/17/06			63.81	3,851.49		
	03/24/06			63.80	3,851.50		
	05/12/06			63.79	3,851.51		
	05/30/06			63.84	3,851.46		
	06/09/06			63.81	3,851.49		
	07/07/06			63.87	3,851.43		
	07/14/06			63.87	3,851.43		
	08/08/06			63.72	3,851.58		
	08/25/06			63.96	3,851.34		
	09/15/06			63.81	3,851.49		
	09/29/06			63.84	3,851.46		
	10/13/06			63.81	3,851.49		
	10/20/06			63.77	3,851.53		
	10/27/06			63.90	3,851.40		
	11/10/06			63.88	3,851.42		
	11/20/06			63.89	3,851.41		
	12/01/06			63.94	3,851.36		
	12/08/06			63.93	3,851.37		
	12/15/06			63.93	3,851.37		
	12/27/06			63.98	3,851.32		
	01/05/07			63.98	3,851.32		
	01/15/07			64.02	3,851.28		
	01/29/07			63.98	3,851.32		
	02/08/07			63.70	3,851.60		
	02/20/07			64.02	3,851.28		
	03/06/07			63.96	3,851.34		
	03/15/07			64.05	3,851.25		
	04/04/07			63.82	3,851.48		
	04/11/07			64.05	3,851.25		
	04/18/07			64.05	3,851.25		
	04/24/07			64.04	3,851.26		
	05/22/07			64.05	3,851.25		
	06/19/07			64.04	3,851.26		
	08/08/07			64.02	3,851.28		
	08/17/07			64.04	3,851.26		
	08/24/07			64.03	3,851.27		
	09/19/07			64.06	3,851.24		
	10/03/07			64.08	3,851.22		
	12/03/07			64.18	3,851.12		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-5	03/04/03	3,915.26		64.21	3,851.05		
	09/18/03			64.39	3,850.87		
	11/10/03			64.42	3,850.84		
	04/14/04			64.46	3,850.80		
	05/06/04			64.45	3,850.81		
	06/04/04			64.46	3,850.80		
	06/16/04			64.49	3,850.77		
	07/09/04			64.45	3,850.81		
	07/20/04			64.47	3,850.79		
	09/10/04			64.51	3,850.75		
	09/23/04			64.53	3,850.73		
	10/01/04			64.02	3,851.24		
	10/21/04			64.04	3,851.22		
	11/03/04			64.13	3,851.13		
	11/18/04			64.19	3,851.07		
	12/13/04			63.91	3,851.35		
	12/20/04			63.94	3,851.32		
	01/10/05			63.94	3,851.32		
	01/25/05			63.88	3,851.38		
	02/18/05			63.90	3,851.36		
	03/30/05			63.81	3,851.45		
	05/03/05			63.83	3,851.43		
	05/20/05			63.79	3,851.47		
	08/23/05			63.75	3,851.51		
	11/22/05			63.80	3,851.46		
	01/16/06			63.80	3,851.46		
	02/17/06			63.83	3,851.43		
	03/17/06			63.78	3,851.48		
	03/24/06			63.77	3,851.49		
	04/13/06			63.81	3,851.45		
	05/12/06			63.81	3,851.45		
	05/30/06			63.82	3,851.44		
	06/09/06			63.77	3,851.49		
	07/07/06			63.86	3,851.40		
	07/14/06			63.87	3,851.39		
	08/08/06			63.77	3,851.49		
	08/25/06			63.95	3,851.31		
	09/15/06			63.81	3,851.45		
	09/29/06			63.87	3,851.39		
	10/13/06			63.85	3,851.41		
	10/20/06			63.81	3,851.45		
	10/27/06			63.91	3,851.35		
	11/10/06			63.90	3,851.36		
	11/20/06			63.88	3,851.38		
	12/01/06			63.92	3,851.34		
	12/08/06			63.90	3,851.36		
	12/15/06			63.93	3,851.33		
	12/27/06			63.95	3,851.31		
	01/05/07			63.96	3,851.30		
	01/15/07			63.99	3,851.27		
	01/29/07			63.99	3,851.27		
	02/08/07			63.75	3,851.51		
	02/20/07			64.09	3,851.17		
	03/06/07			64.02	3,851.24		
	03/15/07			64.05	3,851.21		
	04/04/07			63.86	3,851.40		
	04/11/07			64.06	3,851.20		
	04/18/07			64.07	3,851.19		
	04/24/07			63.82	3,851.44		
	05/22/07			64.08	3,851.18		
	06/19/07			64.04	3,851.22		
	08/08/07			64.04	3,851.22		
	08/17/07			64.08	3,851.18		
	08/24/07			64.08	3,851.18		
	09/19/07			64.09	3,851.17		
	10/03/07			64.11	3,851.15		
	11/15/07			64.21	3,851.05		
	12/03/07			64.22	3,851.04		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-6	11/18/04	3,915.45					
	12/13/04			63.26	3,852.19		
	12/20/04			63.32	3,852.13		
	01/10/05			63.30	3,852.15		
	01/25/05			63.23	3,852.22		
	02/18/05			63.27	3,852.18		
	03/30/05			63.18	3,852.27		
	05/03/05			63.19	3,852.26		
	05/20/05			63.14	3,852.31		
	08/23/05			63.12	3,852.33		
	11/22/05			63.14	3,852.31		
	01/16/06			63.15	3,852.30		
	02/17/06			63.15	3,852.30		
	03/17/06			63.12	3,852.33		
	03/24/06			63.11	3,852.34		
	04/13/06			63.15	3,852.30		
	05/12/06			63.19	3,852.26		
	05/30/06			63.19	3,852.26		
	06/09/06			63.10	3,852.35		
	07/07/06			63.20	3,852.25		
	07/14/06			63.21	3,852.24		
	08/08/06			63.08	3,852.37		
	08/25/06			63.28	3,852.17		
	09/15/06			63.17	3,852.28		
	09/29/06			63.20	3,852.25		
	10/13/06			63.14	3,852.31		
	10/20/06			63.15	3,852.30		
	10/27/06			63.22	3,852.23		
	11/10/06			63.22	3,852.23		
	11/20/06			63.23	3,852.22		
	12/01/06			63.29	3,852.16		
	12/08/06			63.29	3,852.16		
	12/27/06			63.33	3,852.12		
	01/05/07			63.35	3,852.10		
	01/15/07			63.37	3,852.08		
	01/29/07			63.35	3,852.10		
	02/08/07			63.07	3,852.38		
	02/20/07			63.34	3,852.11		
	03/06/07			63.35	3,852.10		
	03/15/07			63.38	3,852.07		
	04/04/07			63.18	3,852.27		
	04/11/07			63.40	3,852.05		
	04/18/07			63.40	3,852.05		
	04/24/07			63.40	3,852.05		
	05/22/07			63.40	3,852.05		
	06/19/07			63.39	3,852.06		
	08/08/07			63.39	3,852.06		
	08/17/07			63.41	3,852.04		
	08/24/07			63.39	3,852.06		
	09/19/07			63.43	3,852.02		
	10/03/07			63.42	3,852.03		
	11/15/07			63.50	3,851.95		
	12/03/07			63.52	3,851.93		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-7	11/18/04	3,914.73					
	12/13/04			62.94	3,851.79		
	12/20/04			63.00	3,851.73		
	01/10/05			62.98	3,851.75		
	01/25/05			62.92	3,851.81		
	02/18/05			62.94	3,851.79		
	03/30/05			62.85	3,851.88		
	05/03/05			62.84	3,851.89		
	05/20/05			62.81	3,851.92		
	08/23/05			62.80	3,851.93		
	11/22/05			62.78	3,851.95		
	01/16/06			62.81	3,851.92		
	02/17/06			62.81	3,851.92		
	03/17/06			62.80	3,851.93		
	03/24/06			62.81	3,851.92		
	04/13/06			62.81	3,851.92		
	05/12/06			63.84	3,850.89		
	05/30/06			62.85	3,851.88		
	06/09/06			62.80	3,851.93		
	07/07/06			62.89	3,851.84		
	07/14/06			62.90	3,851.83		
	08/08/06			62.76	3,851.97		
	08/25/06			62.99	3,851.74		
	09/15/06			62.85	3,851.88		
	09/29/06			62.87	3,851.86		
	10/13/06			62.78	3,851.95		
	10/20/06			62.81	3,851.92		
	10/27/06			63.10	3,851.63		
	11/10/06			62.89	3,851.84		
	11/20/06			62.88	3,851.85		
	12/01/06			63.05	3,851.68		
	12/08/06			63.91	3,850.82		
	12/15/06			62.93	3,851.80		
	12/27/06			63.98	3,850.75		
	01/05/07			63.98	3,850.75		
	01/15/07			62.99	3,851.74		
	01/29/07			63.00	3,851.73		
	02/08/07			62.74	3,851.99		
	02/20/07			63.02	3,851.71		
	03/06/07			63.10	3,851.63		
	03/15/07			63.02	3,851.71		
	04/04/07			62.86	3,851.87		
	04/11/07			63.03	3,851.70		
	04/18/07			63.06	3,851.67		
	04/24/07			63.05	3,851.68		
	05/22/07			63.08	3,851.65		
	06/19/07			63.05	3,851.68		
	08/08/07			63.06	3,851.67		
	08/17/07			63.02	3,851.71		
	08/24/07			63.06	3,851.67		
	09/19/07			63.08	3,851.65		
	10/03/07			63.10	3,851.63		
	11/15/07			63.17	3,851.56		
	12/03/07			63.19	3,851.54		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-8	11/18/04	3,915.19		63.64	3,851.55		
	12/13/04			63.45	3,851.74		
	12/20/04			63.50	3,851.69		
	01/10/05			63.49	3,851.70		
	01/25/05			63.43	3,851.76		
	02/18/05			63.47	3,851.72		
	03/30/05			63.37	3,851.82		
	05/03/05			63.38	3,851.81		
	05/20/05			63.36	3,851.83		
	08/23/05			63.34	3,851.85		
	11/22/05			63.35	3,851.84		
	01/16/06			63.37	3,851.82		
	02/17/06			63.38	3,851.81		
	03/17/06			63.35	3,851.84		
	03/24/06			63.34	3,851.85		
	04/13/06			63.39	3,851.80		
	05/12/06			63.35	3,851.84		
	05/30/06			63.40	3,851.79		
	06/09/06			63.34	3,851.85		
	07/07/06			63.44	3,851.75		
	07/14/06			63.43	3,851.76		
	08/08/06			63.31	3,851.88		
	08/25/06			63.56	3,851.63		
	09/15/06			63.38	3,851.81		
	09/22/06			63.42	3,851.77		
	10/13/06			63.41	3,851.78		
	10/20/06			67.37	3,847.82		
	10/27/06			63.46	3,851.73		
	11/10/06			63.46	3,851.73		
	11/20/06			62.44	3,852.75		
	12/01/06			63.48	3,851.71		
	12/08/06			63.46	3,851.73		
	12/15/06			63.48	3,851.71		
	12/27/06			63.51	3,851.68		
	01/05/07			63.51	3,851.68		
	01/15/07			63.54	3,851.65		
	01/29/07			63.56	3,851.63		
	02/08/07			63.30	3,851.89		
	02/20/07			63.57	3,851.62		
	03/06/07			63.58	3,851.61		
	03/15/07			63.60	3,851.59		
	04/04/07			63.40	3,851.79		
	04/11/07			63.90	3,851.29		
	04/18/07			63.62	3,851.57		
	04/24/07			63.62	3,851.57		
	05/22/07			63.64	3,851.55		
	06/19/07			63.60	3,851.59		
	08/08/07			63.60	3,851.59		
	08/17/07			63.64	3,851.55		
	08/24/07			63.63	3,851.56		
	09/19/07			63.66	3,851.53		
	10/03/07			63.67	3,851.52		
	11/15/07			63.41	3,851.78		
	12/03/07			63.76	3,851.43		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-9	11/18/04	3,913.92		63.48	3,850.44		
	12/13/04			63.29	3,850.63		
	12/20/04			63.32	3,850.60		
	01/10/05			63.30	3,850.62		
	01/25/05			63.27	3,850.65		
	02/18/05			63.23	3,850.69		
	03/30/05			63.19	3,850.73		
	05/03/05			63.21	3,850.71		
	05/20/05			63.18	3,850.74		
	08/23/05			63.13	3,850.79		
	11/22/05			63.20	3,850.72		
	01/16/06			63.17	3,850.75		
	02/17/06			62.68	3,851.24		
	03/17/06			62.65	3,851.27		
	03/24/06			62.66	3,851.26		
	04/13/06			63.19	3,850.73		
	05/12/06			63.22	3,850.70		
	05/30/06			63.14	3,850.78		
	06/09/06			62.64	3,851.28		
	07/07/06			63.26	3,850.66		
	07/14/06			63.27	3,850.65		
	08/08/06			63.16	3,850.76		
	08/25/06			63.37	3,850.55		
	09/15/06			63.19	3,850.73		
	09/29/06			63.25	3,850.67		
	10/13/06			63.23	3,850.69		
	10/20/06			63.20	3,850.72		
	10/27/06			63.29	3,850.63		
	11/10/06			62.79	3,851.13		
	11/20/06			63.27	3,850.65		
	12/01/06			63.31	3,850.61		
	12/08/06			63.29	3,850.63		
	12/15/06			63.31	3,850.61		
	12/27/06			63.37	3,850.55		
	01/05/07			63.33	3,850.59		
	01/15/07			63.36	3,850.56		
	01/29/07			63.37	3,850.55		
	02/08/07			63.12	3,850.80		
	02/20/07			63.41	3,850.51		
	03/06/07			63.02	3,850.90		
	03/15/07			62.92	3,851.00		
	03/15/07			62.94	3,850.98		
	04/04/07			62.70	3,851.22		
	04/11/07			62.94	3,850.98		
	04/18/07			62.92	3,851.00		
	04/24/07			62.96	3,850.96		
	05/22/07			62.96	3,850.96		
	06/19/07			62.91	3,851.01		
	08/08/07			62.91	3,851.01		
	08/17/07			62.94	3,850.98		
	08/24/07			62.69	3,851.23		
	09/19/07			62.98	3,850.94		
	10/03/07			62.98	3,850.94		
	11/15/07			63.13	3,850.79		
	12/03/07			63.08	3,850.84		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-10	11/18/04	3,914.96		63.73	3,851.23		
	12/13/04			63.89	3,851.07		
	12/20/04			63.92	3,851.04		
	01/10/05			63.89	3,851.07		
	01/25/05			63.86	3,851.10		
	02/18/05			63.82	3,851.14		
	03/30/05			63.75	3,851.21		
	05/03/05			63.74	3,851.22		
	05/20/05			63.72	3,851.24		
	08/23/05			63.68	3,851.28		
	11/22/05			63.40	3,851.56		
	01/16/06			63.73	3,851.23		
	02/17/06			63.75	3,851.21		
	03/17/06			63.71	3,851.25		
	03/24/06			63.70	3,851.26		
	04/13/06			63.72	3,851.24		
	05/12/06			63.74	3,851.22		
	05/30/06			63.75	3,851.21		
	06/09/06			63.69	3,851.27		
	07/07/06			63.79	3,851.17		
	07/14/06			63.78	3,851.18		
	08/08/06			63.68	3,851.28		
	08/25/06			63.92	3,851.04		
	09/15/06			63.72	3,851.24		
	09/29/06			63.77	3,851.19		
	10/13/06			63.71	3,851.25		
	10/20/06			63.72	3,851.24		
	10/27/06			63.81	3,851.15		
	11/10/06			63.80	3,851.16		
	12/01/06			63.83	3,851.13		
	12/08/06			63.81	3,851.15		
	12/15/06			63.84	3,851.12		
	12/27/06			63.84	3,851.12		
	01/05/07			63.86	3,851.10		
	01/15/07			63.90	3,851.06		
	01/29/07			63.90	3,851.06		
	02/08/07			63.65	3,851.31		
	02/20/07			63.95	3,851.01		
	03/06/07			63.92	3,851.04		
	03/15/07			63.96	3,851.00		
	04/04/07			63.75	3,851.21		
	04/11/07			63.96	3,851.00		
	04/18/07			63.96	3,851.00		
	04/24/07			63.97	3,850.99		
	05/22/07			63.99	3,850.97		
	06/19/07			63.96	3,851.00		
	08/08/07			63.97	3,850.99		
	08/17/07			63.98	3,850.98		
	08/24/07			63.99	3,850.97		
	09/19/07			63.99	3,850.97		
	10/03/07			64.02	3,850.94		
	11/15/07			64.09	3,850.87		
	12/03/07			64.12	3,850.84		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-11	11/18/04	3,914.40					
	12/13/04			63.31	3,851.09		
	12/20/04			63.33	3,851.07		
	01/10/05			63.31	3,851.09		
	01/25/05			63.29	3,851.11		
	02/18/05			63.32	3,851.08		
	03/30/05			63.16	3,851.24		
	05/03/05			63.19	3,851.21		
	05/20/05			63.14	3,851.26		
	08/23/05			63.11	3,851.29		
	11/22/05			63.05	3,851.35		
	01/16/06			63.11	3,851.29		
	02/17/06			63.12	3,851.28		
	03/17/06			63.10	3,851.30		
	03/24/06			63.11	3,851.29		
	04/13/06			63.13	3,851.27		
	05/12/06			63.11	3,851.29		
	05/30/06			63.15	3,851.25		
	06/09/06			63.10	3,851.30		
	07/07/06			63.20	3,851.20		
	07/14/06			63.21	3,851.19		
	08/08/06			63.05	3,851.35		
	08/25/06			63.29	3,851.11		
	09/15/06			63.12	3,851.28		
	09/29/06			63.19	3,851.21		
	10/13/06			63.16	3,851.24		
	10/20/06			67.09	3,847.31		
	10/27/06			63.41	3,850.99		
	11/10/06			63.21	3,851.19		
	11/20/06			63.19	3,851.21		
	12/01/05			63.25	3,851.15		
	12/08/06			63.24	3,851.16		
	12/15/06			63.26	3,851.14		
	12/27/06			63.29	3,851.11		
	01/05/07			63.23	3,851.17		
	01/15/07			63.28	3,851.12		
	01/29/07			63.28	3,851.12		
	02/08/07			63.02	3,851.38		
	02/20/07			63.31	3,851.09		
	03/06/07			63.36	3,851.04		
	03/15/07			63.31	3,851.09		
	04/04/07			63.11	3,851.29		
	04/11/07			63.35	3,851.05		
	04/18/07			63.35	3,851.05		
	04/24/07			63.35	3,851.05		
	05/22/07			63.36	3,851.04		
	06/19/07			63.33	3,851.07		
	08/08/07			63.34	3,851.06		
	08/17/07			63.36	3,851.04		
	08/24/07			63.36	3,851.04		
	09/19/07			63.88	3,850.52		
	10/03/07			63.39	3,851.01		
	11/15/07			63.47	3,850.93		
	12/03/07			63.52	3,850.88		

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-12	07/07/06			63.34			
	07/14/06			63.35			
	07/21/06			63.37			
	07/27/06			63.33			
	08/08/06			63.21			
	08/25/06			63.48			
	09/15/06			63.27			
	10/13/06			63.31			
	10/20/06			63.28			
	10/27/06			63.37			
	11/10/06			63.36			
	11/20/06			63.34			
	12/01/06			63.40			
	12/08/06			63.35			
	12/15/06			63.38			
	12/27/06			63.40			
	01/05/07			63.41			
	01/15/07			63.48			
	01/29/07			63.46			
	02/08/07			63.22			
	02/20/07			63.50			
	03/06/07			63.47			
	03/15/07			63.51			
	04/04/07			63.32			
	04/11/07			63.54			
	04/18/07			63.52			
	04/24/07			63.53			
	05/22/07			63.55			
	06/19/07			63.52			
	08/08/07	3,913.97		63.53	3,850.44		
	08/17/07			63.57	3,850.40		
	08/24/07			63.55	3,850.42		
	09/19/07			63.57	3,850.40		
	10/03/07			63.57	3,850.40		
	11/15/07			63.68	3,850.29		
	12/03/07			63.67	3,850.30		
MW-13	07/07/06		63.35	67.01		3.66	2.6
	07/14/06		63.37	67.00		3.63	3.0
	07/21/06		63.31	67.06		3.75	3.5
	07/28/06		63.28	67.23		3.95	4.0
	08/25/06		63.51	67.09		3.58	3.5
	09/15/06		62.79	68.96		6.17	
	09/29/06		62.90	67.05		4.15	6.0
	10/06/06		63.10	68.07		4.97	5.0
	10/13/06		62.93	68.81		5.88	6.5
	10/20/06		63.00	67.90		4.90	4.5
	10/27/06		62.97	67.77		4.80	5.0
	11/03/06		63.39	67.09		3.70	2.9
	11/10/06		62.97	67.80		4.83	4.6
	11/20/06		63.01	68.47		5.46	5.0
	12/01/06		62.94	68.90		5.96	6.0
	12/08/06		62.92	67.68		4.76	4.8
	12/15/06		63.11	68.33		5.22	5.0
	12/27/06		62.86	67.81		4.95	4.8
	01/05/07		62.87	67.79		4.92	4.8
	01/15/07		63.03	68.11		5.08	5.0
	01/29/07		63.08	69.00		5.92	6.0
	02/08/07		63.03	68.89		5.86	
	02/20/07		63.10	69.09		5.99	6.5
	03/06/07		63.09	68.41		5.32	
	03/15/07		63.06	69.05		5.99	4.0
	04/04/07		63.12	69.05		5.93	
	04/11/07		63.11	69.14		6.03	
	04/18/07		63.10	69.09		5.99	5
	04/24/07		63.96	68.02		4.06	3
	05/22/07		63.15	69.14		5.99	3
	06/19/07		63.16	69.60		6.44	
	08/08/07	3,915.83	63.08	69.13	3,852.15	6.05	6
	08/17/07		63.14	68.96	3,852.11	5.82	5
	08/24/07		63.21	68.57	3,852.08	5.36	5
	09/19/07		63.10	69.12	3,852.13	6.02	
	10/03/07		63.19	69.14	3,852.05	5.95	5.5
	10/11/07		63.24	68.81	3,852.03	5.57	5
	10/18/07		63.29	68.56	3,852.01	5.27	5
	12/03/07		63.17	69.22	3,852.06	6.05	

TALON LPE

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-14	07/07/06		63.97	64.15		0.18	0.1
	07/14/06		63.96	64.16		0.20	0.2
	07/21/06		63.87	64.45		0.58	0.3
	07/28/06		63.80	64.64		0.84	1.0
	08/25/06		64.09	64.81		0.72	1.5
	09/15/06		63.45	65.92		2.47	3.0
	09/29/06		63.45	66.56		3.11	3.3
	10/06/06		63.68	65.29		1.61	2.0
	10/13/06		63.56	65.15		1.59	2.0
	10/20/06		63.92	65.66		1.74	1.5
	10/27/06		63.62	65.59		1.97	2.0
	11/03/06		63.97	66.99		3.02	3.3
	11/10/06		63.42	66.39		2.97	2.5
	11/20/06		63.77	65.51		1.74	1.6
	12/01/06		63.51	66.21		2.70	2.4
	12/08/06		63.43	65.66		2.23	2.4
	12/15/06		63.39	66.96		3.57	3.3
	12/27/06		63.37	65.79		2.42	2.2
	01/05/07		63.41	65.72		2.31	2.4
	01/15/07		63.18	67.39		4.21	4.5
	01/29/07		63.71	66.20		2.49	2.7
	02/08/07		63.64	65.64		2.00	2.4
	02/20/07		62.30	68.28		5.98	3.5
	03/06/07		63.09	68.41		5.32	2.4
	03/15/07		63.50	66.93		3.43	2.5
	04/04/07		63.73	66.40		2.67	
	04/11/07		63.55	66.86		3.31	2.5
	04/18/07		64.44	67.35		2.91	3
	04/24/07		63.81	65.67		1.86	2
	05/22/07		63.61	66.68		3.07	2
	06/19/07		63.32	68.28		4.96	
	08/08/07	3,915.72	63.06	69.04	3,852.06	5.98	5.5
	08/17/07		63.45	67.34	3,851.88	3.89	3.5
	08/24/07		63.87	65.34	3,851.70	1.47	1
	09/19/07		63.63	66.91	3,851.76	3.28	
	10/03/07		63.50	67.46	3,851.82	3.96	3.5
	10/11/07		63.92	65.47	3,851.65	1.55	
	10/18/07		63.80	65.98	3,851.70	2.18	1
	12/03/07		63.31	68.60	3,851.88	5.29	
MW-15	07/07/06			63.75			
	07/14/06			63.76			
	07/21/06			63.74			
	08/08/06			63.61			
	08/25/06			63.88			
	09/15/06			63.68			
	09/29/06			64.73			
	10/06/06			63.73			
	10/13/06			63.71			
	10/20/06			63.66			
	10/27/06			63.74			
	11/10/06			63.74			
	11/20/06			63.74			
	12/01/06			63.78			
	12/08/06			63.78			
	12/15/06			63.79			
	12/27/06			63.85			
	01/05/07			63.81			
	01/15/07			63.86			
	01/29/07			63.87			
	02/08/07		63.76	63.77		0.01	
	02/20/07			63.88			
	03/06/07		62.27	68.14		5.87	
	03/15/07		63.88	63.93		0.05	
	04/04/07		63.94	64.02		0.08	
	04/11/07		63.90	64.01		0.11	
	04/18/07		63.91	63.98		0.07	
	04/24/07		63.90	63.97		0.07	
	05/22/07		63.91	64.01		0.10	
	06/19/07		63.96	64.10		0.14	
	08/08/07	3,915.84	63.84	64.06	3,851.98	0.22	
	08/17/07		63.90	64.10	3,851.92	0.20	
	08/24/07		63.88	64.10	3,851.94	0.22	
	09/19/07		63.90	64.10	3,851.92	0.20	
	10/03/07		63.93	64.20	3,851.88	0.27	
	10/11/07		63.88	64.17	3,851.93	0.29	
	10/18/07		63.87	64.23	3,851.93	0.36	
	12/03/07		63.94	64.41	3,851.85	0.47	

TABLE 1
Groundwater Elevations and
Phase Separated Hydrocarbon (PSH) Thickness
Plains Pipeline, L.P.
Lovington Deep 6"
NMOCD REF. # AP-037
Lea County, NM SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

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 Volume (gallons)
MW-16	07/07/06			63.60			
	07/14/06			63.62			
	07/21/06			63.57			
	08/08/06			63.47			
	09/15/06		63.56	63.58		0.06	
	09/29/06		63.54	63.64		0.10	
	10/06/06		63.53	63.68		0.15	
	10/13/06		63.50	63.59		0.09	
	10/20/06		63.67	64.19		0.52	
	10/27/06		63.55	63.77		0.22	
	11/10/06		63.51	63.79		0.28	
	11/20/06		63.51	63.62		0.11	
	12/01/06		63.54	63.64		0.10	
	12/08/06		63.60	63.62		0.02	
	12/15/06			63.63			
	12/27/06			63.69			
	01/05/07			63.69			
	01/15/07			63.76			
	01/29/07			63.89			
	02/08/07		63.55	63.91		0.36	
	02/20/07		63.62	64.10		0.48	
	03/06/07		63.61	64.28		0.67	
	03/15/07		63.60	64.33		0.73	
	04/04/07		63.58	64.59		1.01	
	04/11/07		63.55	64.59		1.04	
	04/18/07		63.56	64.67		1.11	
	04/24/07		63.55	64.72		1.17	
	05/22/07		63.31	64.96		1.65	
	06/19/07		63.52	65.28		1.76	
	08/08/07	3,915.43	63.39	65.59	3,851.82	2.20	2
	08/17/07		63.44	65.28	3,851.81	1.84	1.5
	08/24/07		63.42	65.30	3,851.82	1.88	1.5
	09/19/07		63.57	64.76	3,851.74	1.19	
	10/03/07		63.57	64.99	3,851.72	1.42	1
	10/11/07		63.72	64.26	3,851.66	0.54	
	10/18/07		63.69	64.37	3,851.67	0.68	
	12/03/07		63.57	65.21	3,851.70	1.64	
MW-17	07/07/06		63.30	65.54		2.24	2.5
	07/14/06		63.29	65.55		2.26	2.5
	07/21/06		63.28	65.56		2.28	2.6
	07/28/06		63.21	65.87		2.66	3.0
	08/25/06		63.39	65.69		2.30	3.0
	09/15/06		62.66	68.07		5.41	
	09/29/06		62.75	67.95		5.20	7.0
	10/06/06		63.02	66.70		3.68	3.2
	10/13/06		62.80	67.78		4.98	5.0
	10/20/06		63.34	66.72		3.38	3.5
	10/27/06		62.82	67.74		4.92	5.0
	11/03/06		63.62	65.91		2.29	2.2
	11/10/06		62.88	66.89		4.01	4.1
	11/20/06		62.85	67.47		4.62	4.2
	12/01/06		62.74	68.20		5.46	5.4
	12/08/06		62.74	67.25		4.51	5.0
	12/15/06		63.01	67.05		4.04	3.7
	12/27/06		62.66	67.41		4.75	4.7
	01/05/07		62.71	67.46		4.75	5.0
	01/15/07		62.81	67.21		4.40	4.5
	01/29/07		62.85	68.26		5.41	5.1
	02/08/07		62.82	67.92		5.10	
	02/20/07		62.82	68.39		5.57	
	03/06/07		62.82	68.38		5.56	
	03/15/07		62.87	68.38		5.51	
	04/04/07		62.93	68.38		5.45	
	04/11/07		62.81	68.45		5.64	
	04/18/07		62.90	68.44		5.54	4
	04/24/07		63.24	68.49		5.25	4
	05/22/07		62.91	68.28		5.37	4
	06/19/07		62.92	68.84		5.92	
	08/08/07	3,915.59	62.89	68.42	3,852.15	5.53	5.5
	08/17/07		62.92	68.26	3,852.14	5.34	5
	08/24/07		62.97	68.01	3,852.12	5.04	5
	09/19/07		62.90	68.39	3,852.14	5.49	
	10/03/07		62.95	68.47	3,852.09	5.52	5.5
	10/11/07		62.98	68.27	3,852.08	5.29	5
	10/18/07		63.03	68.11	3,852.05	5.08	5
	12/03/07		62.97	68.49	3,852.07	5.52	

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

Total manual recovery 996.51

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
LOVINGTON DEEP 6"
NMOCD REF. # AP-037
LEA COUNTY, NEW MEXICO - SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Ethylbenzene	Total Xylenes	Toluene
MW-1	04/04/07	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	09/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	12/04/07	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	04/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	06/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	09/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	12/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
MW-3	04/04/07	**18.9**	**0.907**	**1.97**	**5.98**
	06/19/07	**14.2**	0.707	**1.32**	**3.02**
	09/19/07	**10.8**	0.679	**1.06**	**2.00**
	12/04/07	**12.2**	**0.762**	**1.16**	**1.78**
MW-4	04/04/07	**0.634**	<0.100	0.152	<0.100
	06/19/07	**0.414**	0.0347	0.133	0.0151
	09/19/07	**0.0179**	<0.00500	<0.00500	<0.00500
	12/04/07	<0.00500	<0.00500	<0.00500	<0.00500
MW-5	04/04/07	<0.00100	<0.00100	0.00150	<0.00100
	06/19/07	0.00540	<0.00100	0.00770	<0.00100
	09/19/07	**0.0383**	<0.00100	0.0724	<0.00100
	12/04/07	**0.0628**	<0.00100	0.0894	<0.00100
MW-6	04/04/07	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	09/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	12/04/07	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	04/04/07	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	09/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	12/04/07	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	04/04/07	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	09/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	12/04/07	<0.00100	<0.00100	<0.00100	<0.00100
MW-9	04/04/07	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/07	0.00410	0.00230	0.00360	<0.00100
	09/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	12/04/07	<0.00100	<0.00100	<0.00100	<0.00100

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
LOVINGTON DEEP 6"
NMOCD REF. # AP-037
LEA COUNTY, NEW MEXICO - SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Ethylbenzene	Total Xylenes	Toluene
MW-10	04/04/07	**10.4**	0.458	<0.200	<0.200
	06/19/07	**11.5**	0.424	0.230	<0.100
	09/19/07	**8.05**	0.312	0.133	<0.100
	12/04/07	**11.1**	0.275	0.185	<0.0500
MW-11	04/04/07	<0.00100	<0.00100	<0.00100	<0.00100
	06/19/07	0.00310	<0.00100	<0.00100	<0.00100
	09/19/07	<0.00100	<0.00100	<0.00100	<0.00100
	12/04/07	<0.00100	<0.00100	<0.00100	<0.00100
MW-12	04/04/07	**0.172**	0.0328	0.0231	<0.00100
	06/19/07	**0.298**	0.0562	0.0381	<0.00100
	09/19/07	**0.264**	0.0447	0.0203	<0.00100
	12/04/07	**0.420**	0.0668	0.0400	<0.0100
MW-13	04/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	06/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	09/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	12/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
MW-14	04/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	06/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	09/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	12/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
MW-15	04/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	06/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	09/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	12/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
MW-16	04/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	06/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	09/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	12/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
MW-17	04/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	06/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	09/19/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
	12/04/07	**Not sampled Due to Presence of Phase Separated Hydrocarbons**			
NMWQCC Remedial Limits		0.010	0.750	Total Xylenes 0.620	0.750

† ***Bolded*** *values are in excess of the NMWQCC Remediation Thresholds*

TABLE 3
SUMMARY OF GROUNDWATER POLYCYCLIC AROMATIC HYDROCARBON (PAH) ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
LOVINGTON DEEP 6"
NMOCD REF. # AP-037
LEA COUNTY, NEW MEXICO - SRS# 2002-10312
Talon/LPE Project Number PLAINS046SPL

All concentrations are in mg/L

Sample Location	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[g,h,i]-perylene	Benzo[k]-fluoranthene	Chrysene	Dibenz[a,h]-anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno[1,2,3-cd]-pyrene	Naphthalene	Phenanthrene	Pyrene
MW-1	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200
MW-2	04/04/07	Not sampled Due to Presence of Phase Separated Hydrocarbons																
MW-3	04/04/07	<0.000200	<0.000200	0.00130	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	0.00102	<0.000200	0.00420	<0.000400	**0.0439**	<0.000200	<0.000200
MW-4	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	0.00268	<0.000200	<0.000200
MW-5	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200
MW-6	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200
MW-7	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200
MW-8	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200
MW-9	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200
MW-10	04/04/07	<0.000200	<0.000200	0.000605	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	0.000694	<0.000200	0.00125	<0.000400	0.0172	<0.000200	<0.000200
MW-11	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200
MW-12	04/04/07	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000400	0.00117	<0.000200	<0.000200
MW-13	04/04/07	Not sampled Due to Presence of Phase Separated Hydrocarbons																
MW-14	04/04/07	Not sampled Due to Presence of Phase Separated Hydrocarbons																
MW-15	04/04/07	Not sampled Due to Presence of Phase Separated Hydrocarbons																
MW-16	04/04/07	Not sampled Due to Presence of Phase Separated Hydrocarbons																
MW-17	04/04/07	Not sampled Due to Presence of Phase Separated Hydrocarbons																
NMWQCC Remedial Limits		0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030

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

APPENDIX C

Laboratory Analytical Reports and Chain of Custody Documentation

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Marc Stroope
Talon LPE
921 North Bivins
Amarillo, TX, 79107

Report Date: July 11, 2007

Work Order: 7040531

Project Location: Lea County,NM
Project Name: Lovington Deep 6
Project Number: PLAINS 046 SPL
SRS#: 2002-10312

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
120894	MW-1	water	2007-04-04	12:50	2007-04-05
120895	MW-3	water	2007-04-04	09:40	2007-04-05
120896	MW-4	water	2007-04-04	10:34	2007-04-05
120897	MW-5	water	2007-04-04	13:23	2007-04-05
120898	MW-6	water	2007-04-04	16:09	2007-04-05
120899	MW-7	water	2007-04-04	15:58	2007-04-05
120900	MW-8	water	2007-04-04	15:40	2007-04-05
120901	MW-9	water	2007-04-04	14:30	2007-04-05
120902	MW-10	water	2007-04-04	14:53	2007-04-05
120903	MW-11	water	2007-04-04	14:50	2007-04-05
120904	MW-12	water	2007-04-04	14:40	2007-04-05

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Lovington Deep 6 were received by TraceAnalysis, Inc. on 2007-04-05 and assigned to work order 7040531. Samples for work order 7040531 were received intact without headspace and at a temperature of 2 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B
PAH	S 8270C

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7040531 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 120894 - MW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36196	Date Analyzed:	2007-04-05	Analyzed By:	ss
Prep Batch:	31409	Sample Preparation:	2007-04-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0844	mg/L	1	0.100	84	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0939	mg/L	1	0.100	94	22.2 - 104.5

Sample: 120894 - MW-1

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000200	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		<0.000200	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0449	mg/L	1	0.0800	56	37.4 - 123
2-Fluorobiphenyl		0.0489	mg/L	1	0.0800	61	34.3 - 130
Terphenyl-d14		0.0819	mg/L	1	0.0800	102	10 - 252

Sample: 120895 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36315	Date Analyzed:	2007-04-09	Analyzed By:	ss
Prep Batch:	31503	Sample Preparation:	2007-04-09	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**18.9**	mg/L	200	0.00100
Toluene		**5.98**	mg/L	200	0.00100
Ethylbenzene		**0.907**	mg/L	200	0.00100
Xylene		**1.97**	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		14.8	mg/L	200	20.0	74	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		16.6	mg/L	200	20.0	83	22.2 - 104.5

Sample: 120895 - MW-3

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.0439**	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		**0.00102**	mg/L	1	0.000200
Fluorene		**0.00420**	mg/L	1	0.000200
Anthracene		**0.00130**	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0463	mg/L	1	0.0800	58	37.4 - 123
2-Fluorobiphenyl		0.0509	mg/L	1	0.0800	64	34.3 - 130
Terphenyl-d14		0.0832	mg/L	1	0.0800	104	10 - 252

Sample: 120896 - MW-4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36315	Date Analyzed:	2007-04-09	Analyzed By:	ss
Prep Batch:	31503	Sample Preparation:	2007-04-09	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.634**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		<0.100	mg/L	100	0.00100
Xylene		**0.152**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		7.95	mg/L	100	10.0	80	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		8.38	mg/L	100	10.0	84	22.2 - 104.5

Sample: 120896 - MW-4

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.00268**	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		<0.000200	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0372	mg/L	1	0.0800	46	37.4 - 123
2-Fluorobiphenyl		0.0426	mg/L	1	0.0800	53	34.3 - 130
Terphenyl-d14		0.0830	mg/L	1	0.0800	104	10 - 252

Sample: 120897 - MW-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36196	Date Analyzed:	2007-04-05	Analyzed By:	ss
Prep Batch:	31409	Sample Preparation:	2007-04-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00150**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0840	mg/L	1	0.100	84	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0923	mg/L	1	0.100	92	22.2 - 104.5

Sample: 120897 - MW-5

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000200	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		<0.000200	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0443	mg/L	1	0.0800	55	37.4 - 123
2-Fluorobiphenyl		0.0490	mg/L	1	0.0800	61	34.3 - 130
Terphenyl-d14		0.0790	mg/L	1	0.0800	99	10 - 252

Sample: 120898 - MW-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36196	Date Analyzed:	2007-04-05	Analyzed By:	ss
Prep Batch:	31409	Sample Preparation:	2007-04-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0848	mg/L	1	0.100	85	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0937	mg/L	1	0.100	94	22.2 - 104.5

Sample: 120898 - MW-6

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000200	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		<0.000200	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0424	mg/L	1	0.0800	53	37.4 - 123
2-Fluorobiphenyl		0.0500	mg/L	1	0.0800	62	34.3 - 130
Terphenyl-d14		0.0794	mg/L	1	0.0800	99	10 - 252

Sample: 120899 - MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36196	Date Analyzed:	2007-04-05	Analyzed By:	ss
Prep Batch:	31409	Sample Preparation:	2007-04-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0843	mg/L	1	0.100	84	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0917	mg/L	1	0.100	92	22.2 - 104.5

Sample: 120899 - MW-7

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000200	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		<0.000200	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0457	mg/L	1	0.0800	57	37.4 - 123
2-Fluorobiphenyl		0.0503	mg/L	1	0.0800	63	34.3 - 130
Terphenyl-d14		0.0813	mg/L	1	0.0800	102	10 - 252

Sample: 120900 - MW-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36217	Date Analyzed:	2007-04-05	Analyzed By:	ss
Prep Batch:	31427	Sample Preparation:	2007-04-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0834	mg/L	1	0.100	83	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0892	mg/L	1	0.100	89	22.2 - 104.5

Sample: 120900 - MW-8

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000200	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		<0.000200	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0392	mg/L	1	0.0800	49	37.4 - 123
2-Fluorobiphenyl		0.0496	mg/L	1	0.0800	62	34.3 - 130
Terphenyl-d14		0.0825	mg/L	1	0.0800	103	10 - 252

Sample: 120901 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36217	Date Analyzed:	2007-04-05	Analyzed By:	ss
Prep Batch:	31427	Sample Preparation:	2007-04-05	Prepared By:	ss

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0844	mg/L	1	0.100	84	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0899	mg/L	1	0.100	90	22.2 - 104.5

Sample: 120901 - MW-9

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Naphthalene		<0.000200		mg/L	1	0.000200
Acenaphthylene		<0.000200		mg/L	1	0.000200
Acenaphthene		<0.000200		mg/L	1	0.000200
Dibenzofuran		<0.000200		mg/L	1	0.000200
Fluorene		<0.000200		mg/L	1	0.000200
Anthracene		<0.000200		mg/L	1	0.000200
Phenanthrene		<0.000200		mg/L	1	0.000200
Fluoranthene		<0.000200		mg/L	1	0.000200
Pyrene		<0.000200		mg/L	1	0.000200
Benzo(a)anthracene		<0.000200		mg/L	1	0.000200
Chrysene		<0.000200		mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200		mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400		mg/L	1	0.000400
Benzo(a)pyrene		<0.000200		mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400		mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200		mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200		mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0374	mg/L	1	0.0800	47	37.4 - 123
2-Fluorobiphenyl		0.0455	mg/L	1	0.0800	57	34.3 - 130
Terphenyl-d14		0.0824	mg/L	1	0.0800	103	10 - 252

Sample: 120902 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36315	Date Analyzed:	2007-04-09	Analyzed By:	ss
Prep Batch:	31503	Sample Preparation:	2007-04-09	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**10.4**	mg/L	200	0.00100
Toluene		<0.200	mg/L	200	0.00100
Ethylbenzene		**0.458**	mg/L	200	0.00100
Xylene		<0.200	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		14.8	mg/L	200	20.0	74	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		16.7	mg/L	200	20.0	84	22.2 - 104.5

Sample: 120902 - MW-10

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.0172**	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		**0.000694**	mg/L	1	0.000200
Fluorene		**0.00125**	mg/L	1	0.000200
Anthracene		**0.000605**	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0387	mg/L	1	0.0800	48	37.4 - 123
2-Fluorobiphenyl		0.0430	mg/L	1	0.0800	54	34.3 - 130
Terphenyl-d14		0.0760	mg/L	1	0.0800	95	10 - 252

Sample: 120903 - MW-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36217	Date Analyzed:	2007-04-05	Analyzed By:	ss
Prep Batch:	31427	Sample Preparation:	2007-04-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0842	mg/L	1	0.100	84	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0915	mg/L	1	0.100	92	22.2 - 104.5

Sample: 120903 - MW-11

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000200	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		<0.000200	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0507	mg/L	1	0.0800	63	37.4 - 123
2-Fluorobiphenyl		0.0535	mg/L	1	0.0800	67	34.3 - 130
Terphenyl-d14		0.0784	mg/L	1	0.0800	98	10 - 252

Sample: 120904 - MW-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	36217	Date Analyzed:	2007-04-05	Analyzed By:	ss
Prep Batch:	31427	Sample Preparation:	2007-04-05	Prepared By:	ss

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.172**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.0328**	mg/L	1	0.00100
Xylene		**0.0231**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0834	mg/L	1	0.100	83	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0958	mg/L	1	0.100	96	22.2 - 104.5

Sample: 120904 - MW-12

Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	36248	Date Analyzed:	2007-04-06	Analyzed By:	DS
Prep Batch:	31452	Sample Preparation:	2007-04-06	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	*B*	**0.00117**	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		<0.000200	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		<0.000200	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000400	mg/L	1	0.000400
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000400	mg/L	1	0.000400
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0435	mg/L	1	0.0800	54	37.4 - 123
2-Fluorobiphenyl		0.0501	mg/L	1	0.0800	63	34.3 - 130
Terphenyl-d14		0.0816	mg/L	1	0.0800	102	10 - 252

Method Blank (1) QC Batch: 36196

QC Batch: 36196 | Date Analyzed: 2007-04-05 | Analyzed By: ss
Prep Batch: 31409 | QC Preparation: 2007-04-05 | Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0869	mg/L	1	0.100	87	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0879	mg/L	1	0.100	88	54.4 - 112.5

Method Blank (1) QC Batch: 36217

QC Batch: 36217 | Date Analyzed: 2007-04-05 | Analyzed By: ss
Prep Batch: 31427 | QC Preparation: 2007-04-05 | Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0844	mg/L	1	0.100	84	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0887	mg/L	1	0.100	89	54.4 - 112.5

Method Blank (1) QC Batch: 36248

QC Batch: 36248 | Date Analyzed: 2007-04-06 | Analyzed By: DS
Prep Batch: 31452 | QC Preparation: 2007-04-06 | Prepared By: DS

Parameter	Flag	MDL Result	Units	RL
Naphthalene		0.000149	mg/L	0.0002
Acenaphthylene		<0.0000768	mg/L	0.0002
Acenaphthene		<0.000103	mg/L	0.0002
Dibenzofuran		<0.000200	mg/L	0.0002
Fluorene		<0.0000861	mg/L	0.0002
Anthracene		<0.000170	mg/L	0.0002
Phenanthrene		<0.0000884	mg/L	0.0002
Fluoranthene		<0.0000969	mg/L	0.0002
Pyrene		<0.0000855	mg/L	0.0002
Benzo(a)anthracene		<0.0000703	mg/L	0.0002

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Chrysene		<0.000113	mg/L	0.0002
Benzo(b)fluoranthene		<0.000134	mg/L	0.0002
Benzo(k)fluoranthene		<0.000227	mg/L	0.0004
Benzo(a)pyrene		<0.000200	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.000253	mg/L	0.0004
Dibenzo(a,h)anthracene		<0.000180	mg/L	0.0002
Benzo(g,h,i)perylene		<0.000158	mg/L	0.0002

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0295	mg/L	1	0.0800	37	10 - 146
2-Fluorobiphenyl		0.0335	mg/L	1	0.0800	42	10 - 141
Terphenyl-d14		0.0532	mg/L	1	0.0800	66	10 - 266

Method Blank (1) QC Batch: 36315

QC Batch: 36315 | Date Analyzed: 2007-04-09 | Analyzed By: ss
Prep Batch: 31503 | QC Preparation: 2007-04-09 | Prepared By: ss

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0814	mg/L	1	0.100	81	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0834	mg/L	1	0.100	83	54.4 - 112.5

Laboratory Control Spike (LCS-1)

QC Batch: 36196 | Date Analyzed: 2007-04-05 | Analyzed By: ss
Prep Batch: 31409 | QC Preparation: 2007-04-05 | Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0962	mg/L	1	0.100	<0.000200	96	76.4 - 120.5
Toluene	0.0991	mg/L	1	0.100	<0.000200	99	79.2 - 117.8
Ethylbenzene	0.101	mg/L	1	0.100	<0.000200	101	78.8 - 117.9
Xylene	0.308	mg/L	1	0.300	<0.000300	103	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0944	mg/L	1	0.100	<0.000200	94	76.4 - 120.5	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	0.0974	mg/L	1	0.100	<0.000200	97	79.2 - 117.8	2	20
Ethylbenzene	0.0997	mg/L	1	0.100	<0.000200	100	78.8 - 117.9	1	20
Xylene	0.304	mg/L	1	0.300	<0.000300	101	80 - 120.1	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0802	0.0809	mg/L	1	0.100	80	81	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0968	0.0969	mg/L	1	0.100	97	97	63.2 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 36217 | Date Analyzed: 2007-04-05 | Analyzed By: ss
Prep Batch: 31427 | QC Preparation: 2007-04-05 | Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0894	mg/L	1	0.100	<0.000200	89	76.4 - 120.5
Toluene	0.0923	mg/L	1	0.100	<0.000200	92	79.2 - 117.8
Ethylbenzene	0.0944	mg/L	1	0.100	<0.000200	94	78.8 - 117.9
Xylene	0.288	mg/L	1	0.300	<0.000300	96	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0922	mg/L	1	0.100	<0.000200	92	76.4 - 120.5	3	20
Toluene	0.0960	mg/L	1	0.100	<0.000200	96	79.2 - 117.8	4	20
Ethylbenzene	0.0980	mg/L	1	0.100	<0.000200	98	78.8 - 117.9	4	20
Xylene	0.300	mg/L	1	0.300	<0.000300	100	80 - 120.1	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0797	0.0788	mg/L	1	0.100	80	79	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0977	0.0965	mg/L	1	0.100	98	96	63.2 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 36248 | Date Analyzed: 2007-04-06 | Analyzed By: DS
Prep Batch: 31452 | QC Preparation: 2007-04-06 | Prepared By: DS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	0.0406	mg/L	1	0.0800	<0.0000853	51	10 - 141
Acenaphthylene	0.0461	mg/L	1	0.0800	<0.0000768	58	10 - 152
Acenaphthene	0.0443	mg/L	1	0.0800	<0.000103	55	10 - 151
Dibenzofuran	0.0517	mg/L	1	0.0800	<0.000200	65	10 - 148

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluorene	0.0510	mg/L	1	0.0800	<0.0000861	64	10 - 172
Anthracene	0.0484	mg/L	1	0.0800	<0.000170	60	22.5 - 172
Phenanthrene	0.0508	mg/L	1	0.0800	<0.0000884	64	19.6 - 172
Fluoranthene	0.0520	mg/L	1	0.0800	<0.0000969	65	17.3 - 187
Pyrene	0.0434	mg/L	1	0.0800	<0.0000855	54	14.9 - 199
Benzo(a)anthracene	0.0440	mg/L	1	0.0800	<0.0000703	55	19.4 - 185
Chrysene	0.0494	mg/L	1	0.0800	<0.000113	62	18.4 - 188
Benzo(b)fluoranthene	0.0496	mg/L	1	0.0800	<0.000134	62	10 - 193
Benzo(k)fluoranthene	0.0542	mg/L	1	0.0800	<0.000227	68	27.8 - 196
Benzo(a)pyrene	0.0535	mg/L	1	0.0800	<0.000200	67	12.4 - 205
Indeno(1,2,3-cd)pyrene	0.0554	mg/L	1	0.0800	<0.000253	69	10 - 198
Dibenzo(a,h)anthracene	0.0545	mg/L	1	0.0800	<0.000180	68	10 - 172
Benzo(g,h,i)perylene	0.0519	mg/L	1	0.0800	<0.000158	65	10 - 186

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	0.0404	mg/L	1	0.0800	<0.0000853	50	10 - 141	0	20
Acenaphthylene	0.0457	mg/L	1	0.0800	<0.0000768	57	10 - 152	1	20
Acenaphthene	0.0438	mg/L	1	0.0800	<0.000103	55	10 - 151	1	20
Dibenzofuran	0.0497	mg/L	1	0.0800	<0.000200	62	10 - 148	4	20
Fluorene	0.0489	mg/L	1	0.0800	<0.0000861	61	10 - 172	4	20
Anthracene	0.0481	mg/L	1	0.0800	<0.000170	60	22.5 - 172	1	20
Phenanthrene	0.0500	mg/L	1	0.0800	<0.0000884	62	19.6 - 172	2	20
Fluoranthene	0.0537	mg/L	1	0.0800	<0.0000969	67	17.3 - 187	3	20
Pyrene	0.0446	mg/L	1	0.0800	<0.0000855	56	14.9 - 199	3	20
Benzo(a)anthracene	0.0433	mg/L	1	0.0800	<0.0000703	54	19.4 - 185	2	20
Chrysene	0.0488	mg/L	1	0.0800	<0.000113	61	18.4 - 188	1	20
Benzo(b)fluoranthene	0.0486	mg/L	1	0.0800	<0.000134	61	10 - 193	2	20
Benzo(k)fluoranthene	0.0532	mg/L	1	0.0800	<0.000227	66	27.8 - 196	2	20
Benzo(a)pyrene	0.0529	mg/L	1	0.0800	<0.000200	66	12.4 - 205	1	20
Indeno(1,2,3-cd)pyrene	0.0550	mg/L	1	0.0800	<0.000253	69	10 - 198	1	20
Dibenzo(a,h)anthracene	0.0538	mg/L	1	0.0800	<0.000180	67	10 - 172	1	20
Benzo(g,h,i)perylene	0.0510	mg/L	1	0.0800	<0.000158	64	10 - 186	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Nitrobenzene-d5	0.0395	0.0404	mg/L	1	0.0800	49	50	10 - 165
2-Fluorobiphenyl	0.0443	0.0449	mg/L	1	0.0800	55	56	10 - 157
Terphenyl-d14	0.0512	0.0517	mg/L	1	0.0800	64	65	10 - 220

Laboratory Control Spike (LCS-1)

QC Batch: 36315 | Date Analyzed: 2007-04-09 | Analyzed By: ss
Prep Batch: 31503 | QC Preparation: 2007-04-09 | Prepared By: ss

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0807	mg/L	1	0.100	<0.000200	81	76.4 - 120.5
Toluene	0.0890	mg/L	1	0.100	<0.000200	89	79.2 - 117.8
Ethylbenzene	0.0899	mg/L	1	0.100	<0.000200	90	78.8 - 117.9
Xylene	0.275	mg/L	1	0.300	<0.000300	92	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0810	mg/L	1	0.100	<0.000200	81	76.4 - 120.5	0	20
Toluene	0.0889	mg/L	1	0.100	<0.000200	89	79.2 - 117.8	0	20
Ethylbenzene	0.0894	mg/L	1	0.100	<0.000200	89	78.8 - 117.9	1	20
Xylene	0.274	mg/L	1	0.300	<0.000300	91	80 - 120.1	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0754	0.0748	mg/L	1	0.100	75	75	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0925	0.0931	mg/L	1	0.100	92	93	63.2 - 122.4

Matrix Spike (MS-1) Spiked Sample: 120808

QC Batch: 36196 | Date Analyzed: 2007-04-05 | Analyzed By: ss
Prep Batch: 31409 | QC Preparation: 2007-04-05 | Prepared By: ss

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0983	mg/L	1	0.100	<0.000200	98	75.9 - 114.2
Toluene	0.102	mg/L	1	0.100	<0.000200	102	78.7 - 111.8
Ethylbenzene	0.103	mg/L	1	0.100	<0.000200	103	78.3 - 112.3
Xylene	0.315	mg/L	1	0.300	<0.000300	105	79.3 - 114.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0964	mg/L	1	0.100	<0.000200	96	75.9 - 114.2	2	20
Toluene	0.0991	mg/L	1	0.100	<0.000200	99	78.7 - 111.8	3	20
Ethylbenzene	0.101	mg/L	1	0.100	<0.000200	101	78.3 - 112.3	2	20
Xylene	0.308	mg/L	1	0.300	<0.000300	103	79.3 - 114.8	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0794	0.0785	mg/L	1	0.1	79	78	43.9 - 121.4
4-Bromofluorobenzene (4-BFB)	0.0995	0.0958	mg/L	1	0.1	100	96	54.2 - 120.1

Matrix Spike (MS-1) Spiked Sample: 120872

QC Batch: 36248 | Date Analyzed: 2007-04-06 | Analyzed By: DS
Prep Batch: 31452 | QC Preparation: 2007-04-06 | Prepared By: DS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	0.0490	mg/L	1	0.0800	<0.0000853	61	16.3 - 89.3
Acenaphthylene	0.0561	mg/L	1	0.0800	<0.0000768	70	13.9 - 103
Acenaphthene	0.0536	mg/L	1	0.0800	<0.000103	67	12.4 - 101
Dibenzofuran	0.0620	mg/L	1	0.0800	<0.000200	78	10 - 106
Fluorene	0.0603	mg/L	1	0.0800	<0.0000861	75	10 - 110
Anthracene	0.0648	mg/L	1	0.0800	<0.000170	81	20.6 - 118
Phenanthrene	0.0670	mg/L	1	0.0800	<0.0000884	84	18.8 - 121
Fluoranthene	0.0708	mg/L	1	0.0800	<0.0000969	88	19.1 - 133
Pyrene	0.0659	mg/L	1	0.0800	<0.0000855	82	10 - 192
Benzo(a)anthracene	0.0647	mg/L	1	0.0800	<0.0000703	81	10 - 143
Chrysene	0.0719	mg/L	1	0.0800	<0.000113	90	10 - 179
Benzo(b)fluoranthene	0.0696	mg/L	1	0.0800	<0.000134	87	10 - 141
Benzo(k)fluoranthene	0.0762	mg/L	1	0.0800	<0.000227	95	10 - 157
Benzo(a)pyrene	0.0766	mg/L	1	0.0800	<0.000200	96	10 - 146
Indeno(1,2,3-cd)pyrene	0.0794	mg/L	1	0.0800	<0.000253	99	10 - 147
Dibenzo(a,h)anthracene	0.0778	mg/L	1	0.0800	<0.000180	97	10 - 160
Benzo(g,h,i)perylene	0.0738	mg/L	1	0.0800	<0.000158	92	13.8 - 132

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	0.0506	mg/L	1	0.0800	<0.0000853	63	16.3 - 89.3	3	20
Acenaphthylene	0.0601	mg/L	1	0.0800	<0.0000768	75	13.9 - 103	7	20
Acenaphthene	0.0572	mg/L	1	0.0800	<0.000103	72	12.4 - 101	6	20
Dibenzofuran	0.0657	mg/L	1	0.0800	<0.000200	82	10 - 106	6	20
Fluorene	0.0662	mg/L	1	0.0800	<0.0000861	83	10 - 110	9	20
Anthracene	0.0666	mg/L	1	0.0800	<0.000170	83	20.6 - 118	3	20
Phenanthrene	0.0693	mg/L	1	0.0800	<0.0000884	87	18.8 - 121	3	20
Fluoranthene	0.0740	mg/L	1	0.0800	<0.0000969	92	19.1 - 133	4	20
Pyrene	0.0682	mg/L	1	0.0800	<0.0000855	85	10 - 192	3	20
Benzo(a)anthracene	0.0665	mg/L	1	0.0800	<0.0000703	83	10 - 143	3	20
Chrysene	0.0741	mg/L	1	0.0800	<0.000113	93	10 - 179	3	20
Benzo(b)fluoranthene	0.0720	mg/L	1	0.0800	<0.000134	90	10 - 141	3	20
Benzo(k)fluoranthene	0.0791	mg/L	1	0.0800	<0.000227	99	10 - 157	4	20
Benzo(a)pyrene	0.0790	mg/L	1	0.0800	<0.000200	99	10 - 146	3	20
Indeno(1,2,3-cd)pyrene	0.0807	mg/L	1	0.0800	<0.000253	101	10 - 147	2	20
Dibenzo(a,h)anthracene	0.0789	mg/L	1	0.0800	<0.000180	99	10 - 160	1	20
Benzo(g,h,i)perylene	0.0749	mg/L	1	0.0800	<0.000158	94	13.8 - 132	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Nitrobenzene-d5	0.0510	0.0515	mg/L	1	0.08	64	64	10 - 94.8
2-Fluorobiphenyl	0.0563	0.0579	mg/L	1	0.08	70	72	10 - 110
Terphenyl-d14	0.0788	0.0812	mg/L	1	0.08	98	102	10 - 114

Standard (ICV-1)

QC Batch: 36196 | Date Analyzed: 2007-04-05 | Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0946	95	85 - 115	2007-04-05
Toluene		mg/L	0.100	0.0968	97	85 - 115	2007-04-05
Ethylbenzene		mg/L	0.100	0.0991	99	85 - 115	2007-04-05
Xylene		mg/L	0.300	0.302	101	85 - 115	2007-04-05

Standard (CCV-1)

QC Batch: 36196 Date Analyzed: 2007-04-05 Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0937	94	85 - 115	2007-04-05
Toluene		mg/L	0.100	0.0965	96	85 - 115	2007-04-05
Ethylbenzene		mg/L	0.100	0.0983	98	85 - 115	2007-04-05
Xylene		mg/L	0.300	0.300	100	85 - 115	2007-04-05

Standard (ICV-1)

QC Batch: 36217 Date Analyzed: 2007-04-05 Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0941	94	85 - 115	2007-04-05
Toluene		mg/L	0.100	0.0972	97	85 - 115	2007-04-05
Ethylbenzene		mg/L	0.100	0.0996	100	85 - 115	2007-04-05
Xylene		mg/L	0.300	0.305	102	85 - 115	2007-04-05

Standard (CCV-1)

QC Batch: 36217 Date Analyzed: 2007-04-05 Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0967	97	85 - 115	2007-04-05
Toluene		mg/L	0.100	0.0989	99	85 - 115	2007-04-05
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2007-04-05
Xylene		mg/L	0.300	0.309	103	85 - 115	2007-04-05

Standard (CCV-2)

QC Batch: 36248 Date Analyzed: 2007-04-06 Analyzed By: DS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	60.1	100	80 - 120	2007-04-06
Acenaphthylene		mg/L	60.0	61.1	102	80 - 120	2007-04-06
Acenaphthene		mg/L	60.0	59.6	99	80 - 120	2007-04-06
Dibenzofuran		mg/L	60.0	63.1	105	80 - 120	2007-04-06
Fluorene		mg/L	60.0	63.0	105	80 - 120	2007-04-06
Anthracene		mg/L	60.0	58.4	97	80 - 120	2007-04-06
Phenanthrene		mg/L	60.0	60.5	101	80 - 120	2007-04-06
Fluoranthene		mg/L	60.0	60.3	100	80 - 120	2007-04-06
Pyrene		mg/L	60.0	57.8	96	80 - 120	2007-04-06
Benzo(a)anthracene		mg/L	60.0	56.2	94	80 - 120	2007-04-06
Chrysene		mg/L	60.0	59.6	99	80 - 120	2007-04-06
Benzo(b)fluoranthene		mg/L	60.0	62.6	104	80 - 120	2007-04-06
Benzo(k)fluoranthene		mg/L	60.0	63.0	105	80 - 120	2007-04-06
Benzo(a)pyrene		mg/L	60.0	61.3	102	80 - 120	2007-04-06
Indeno(1,2,3-cd)pyrene		mg/L	60.0	64.7	108	80 - 120	2007-04-06
Dibenzo(a,h)anthracene		mg/L	60.0	64.6	108	80 - 120	2007-04-06
Benzo(g,h,i)perylene		mg/L	60.0	62.0	103	80 - 120	2007-04-06

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		59.1	mg/L	1	60.0	98	80 - 120
2-Fluorobiphenyl		56.3	mg/L	1	60.0	94	80 - 120
Terphenyl-d14		61.0	mg/L	1	60.0	102	80 - 120

Standard (ICV-1)

QC Batch: 36315 Date Analyzed: 2007-04-09 Analyzed By: ss

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene	[1]	mg/L	0.100	0.0802	80	85 - 115	2007-04-09
Toluene		mg/L	0.100	0.0888	89	85 - 115	2007-04-09
Ethylbenzene		mg/L	0.100	0.0891	89	85 - 115	2007-04-09
Xylene		mg/L	0.300	0.273	91	85 - 115	2007-04-09

Standard (CCV-1)

QC Batch: 36315 Date Analyzed: 2007-04-09 Analyzed By: ss

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene	[2]	mg/L	0.100	0.0811	81	85 - 115	2007-04-09
Toluene		mg/L	0.100	0.0894	89	85 - 115	2007-04-09

continued ...

[1]BENZENE outside of control limits on CCV(ICV). CCV(ICV) component average is 0.090 which is within acceptable range. This is acceptable by Method 8000.

[2]BENZENE outside of control limits on CCV(ICV). CCV(ICV) component average is 0.090 which is within acceptable range. This is acceptable by Method 8000.

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene		mg/L	0.100	0.0904	90	85 - 115	2007-04-09
Xylene		mg/L	0.300	0.277	92	85 - 115	2007-04-09

LAB Order ID # 7040531 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
6015 Harris Pkwy., Suite 110, Ft. Worth, Texas 76132, Tel (817) 201-5260

Company Name: Talon LPE
Phone #: (432) 522-2133
Address: (Street, City, Zip) #9 E Industrial Rd Midland Tx 79701
Fax #: (432) 522-2180
Contact Person: Shanna Smith
E-mail: ssmith@talonlpe.com
Invoice to: (If different from above) Plains All American Pipeline
SRS# 2002-10317
Project #: PLAINS046SPL
Project Name: Lovington Deep 6"
Project Location (including state): Lea County, NM
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
20804	MW-1	3	1L 240ml	X				X				X		04/04/07	1250
05	MW-3	3	1L 240ml	X				X				X		04/04/07	940
06	MW-4	3	1L 240ml	X				X				X		04/04/07	1034
07	MW-5	3	1L 240ml	X				X				X		04/04/07	1323
08	MW-6	3	1L 240ml	X				X				X		04/04/07	1609
09	MW-7	3	1L 240ml	X				X				X		04/04/07	1558
900	MW-8	3	1L 240ml	X				X				X		04/04/07	1540
01	MW-9	3	1L 240ml	X				X				X		04/04/07	1430
02	MW-10	3	1L 240ml	X				X				X		04/04/07	1453
03	MW-11	3	1L 240ml	X				X				X		04/04/07	1450
04	MW-12	3	1L 240ml	X				X				X		04/04/07	1440

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
20804		X			X														
05		X			X														
06		X			X														
07		X			X														
08		X			X														
09		X			X														
900		X			X														
01		X			X														
02		X			X														
03		X			X														
04		X			X														

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	04/05/07	1305		4.5.07	13:05
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:

LAB USE ONLY
Intact Y N
Headspace Y N
Temp 2 °C
Log-in-Review

REMARKS:

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Carrier # carry in

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Shanna Smith
Talon/LPE-Midland
#9 East Industrial Loop
Midland, TX, 79701

Report Date: July 2, 2007

Work Order: 7062130

Order #: SRS 2002-10312
Project Location: Hobbs, NM
Project Name: Lovington Deep 6 inch
Project Number: Plains 046SPL

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128181	MW-6	water	2007-06-19	13:45	2007-06-21
128182	MW-7	water	2007-06-19	13:50	2007-06-21
128183	MW-1	water	2007-06-19	13:54	2007-06-21
128184	MW-8	water	2007-06-19	13:59	2007-06-21
128185	MW-5	water	2007-06-19	14:03	2007-06-21
128186	MW-3	water	2007-06-19	14:08	2007-06-21
128187	MW-4	water	2007-06-19	14:11	2007-06-21
128188	MW-9	water	2007-06-19	14:16	2007-06-21
128189	MW-10	water	2007-06-19	14:20	2007-06-21
128190	MW-12	water	2007-06-19	14:24	2007-06-21
128191	MW-11	water	2007-06-19	14:30	2007-06-21

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 128181 - MW-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0729	mg/L	1	0.100	73	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0777	mg/L	1	0.100	78	22.2 - 104.5

Sample: 128182 - MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0745	mg/L	1	0.100	74	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0774	mg/L	1	0.100	77	22.2 - 104.5

Sample: 128183 - MW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0741	mg/L	1	0.100	74	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0773	mg/L	1	0.100	77	22.2 - 104.5

Sample: 128184 - MW-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0755	mg/L	1	0.100	76	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0776	mg/L	1	0.100	78	22.2 - 104.5

Sample: 128185 - MW-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00540**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00770**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0760	mg/L	1	0.100	76	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0776	mg/L	1	0.100	78	22.2 - 104.5

Sample: 128186 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38655	Date Analyzed:	2007-06-28	Analyzed By:	JW
Prep Batch:	33461	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**14.2**	mg/L	100	0.00100

continued ...

sample 128186 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		**3.02**	mg/L	100	0.00100
Ethylbenzene		**0.707**	mg/L	100	0.00100
Xylene		**1.32**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		6.27	mg/L	100	10.0	63	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		7.19	mg/L	100	10.0	72	22.2 - 104.5

Sample: 128187 - MW-4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.414**	mg/L	1	0.00100
Toluene		**0.0151**	mg/L	1	0.00100
Ethylbenzene		**0.0347**	mg/L	1	0.00100
Xylene		**0.133**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0750	mg/L	1	0.100	75	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0914	mg/L	1	0.100	91	22.2 - 104.5

Sample: 128188 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00410**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.00230**	mg/L	1	0.00100
Xylene		**0.00360**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0765	mg/L	1	0.100	76	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0784	mg/L	1	0.100	78	22.2 - 104.5

Sample: 128189 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38655	Date Analyzed:	2007-06-28	Analyzed By:	JW
Prep Batch:	33461	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**11.5**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		**0.424**	mg/L	100	0.00100
Xylene		**0.230**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		6.26	mg/L	100	10.0	63	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		7.30	mg/L	100	10.0	73	22.2 - 104.5

Sample: 128190 - MW-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.298**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.0562**	mg/L	1	0.00100
Xylene		**0.0381**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0543	mg/L	1	0.100	54	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0813	mg/L	1	0.100	81	22.2 - 104.5

Sample: 128191 - MW-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	38560	Date Analyzed:	2007-06-26	Analyzed By:	JW
Prep Batch:	33371	Sample Preparation:		Prepared By:	JW

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00310**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0755	mg/L	1	0.100	76	23.9 - 107.4
4-Bromofluorobenzene (4-BFB)		0.0769	mg/L	1	0.100	77	22.2 - 104.5

Method Blank (1) QC Batch: 38560

QC Batch: 38560 Date Analyzed: 2007-06-26 Analyzed By: JW
Prep Batch: 33371 QC Preparation: 2007-06-26 Prepared By: JW

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0753	mg/L	1	0.100	75	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0759	mg/L	1	0.100	76	54.4 - 112.5

Method Blank (1) QC Batch: 38655

QC Batch: 38655 Date Analyzed: 2007-06-28 Analyzed By: JW
Prep Batch: 33461 QC Preparation: 2007-06-28 Prepared By: JW

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0741	mg/L	1	0.100	74	60.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0733	mg/L	1	0.100	73	54.4 - 112.5

Laboratory Control Spike (LCS-1)

QC Batch: 38560 Date Analyzed: 2007-06-26 Analyzed By: JW
Prep Batch: 33371 QC Preparation: 2007-06-26 Prepared By: JW

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0922	mg/L	1	0.100	<0.000200	92	76.4 - 120.5
Toluene	0.0929	mg/L	1	0.100	<0.000200	93	79.2 - 117.8

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ethylbenzene	0.0898	mg/L	1	0.100	<0.000200	90	78.8 - 117.9
Xylene	0.271	mg/L	1	0.300	<0.000300	90	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0848	mg/L	1	0.100	<0.000200	85	76.4 - 120.5	8	20
Toluene	0.0867	mg/L	1	0.100	<0.000200	87	79.2 - 117.8	7	20
Ethylbenzene	0.0843	mg/L	1	0.100	<0.000200	84	78.8 - 117.9	6	20
Xylene	0.255	mg/L	1	0.300	<0.000300	85	80 - 120.1	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0658	0.0667	mg/L	1	0.100	66	67	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0774	0.0779	mg/L	1	0.100	77	78	63.2 - 122.4

Laboratory Control Spike (LCS-1)

QC Batch: 38655 | Date Analyzed: 2007-06-28 | Analyzed By: JW
Prep Batch: 33461 | QC Preparation: 2007-06-28 | Prepared By: JW

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0937	mg/L	1	0.100	<0.000200	94	76.4 - 120.5
Toluene	0.0951	mg/L	1	0.100	<0.000200	95	79.2 - 117.8
Ethylbenzene	0.0902	mg/L	1	0.100	<0.000200	90	78.8 - 117.9
Xylene	0.272	mg/L	1	0.300	<0.000300	91	80 - 120.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0952	mg/L	1	0.100	<0.000200	95	76.4 - 120.5	2	20
Toluene	0.0957	mg/L	1	0.100	<0.000200	96	79.2 - 117.8	1	20
Ethylbenzene	0.0914	mg/L	1	0.100	<0.000200	91	78.8 - 117.9	1	20
Xylene	0.276	mg/L	1	0.300	<0.000300	92	80 - 120.1	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0642	0.0662	mg/L	1	0.100	64	66	59.5 - 117.8
4-Bromofluorobenzene (4-BFB)	0.0767	0.0747	mg/L	1	0.100	77	75	63.2 - 122.4

Standard (ICV-1)

QC Batch: 38560 | Date Analyzed: 2007-06-26 | Analyzed By: JW

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0898	90	85 - 115	2007-06-26
Toluene		mg/L	0.100	0.0908	91	85 - 115	2007-06-26
Ethylbenzene		mg/L	0.100	0.0876	88	85 - 115	2007-06-26
Xylene		mg/L	0.300	0.264	88	85 - 115	2007-06-26

Standard (CCV-1)

QC Batch: 38560 Date Analyzed: 2007-06-26 Analyzed By: JW

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0924	92	85 - 115	2007-06-26
Toluene		mg/L	0.100	0.0943	94	85 - 115	2007-06-26
Ethylbenzene		mg/L	0.100	0.0908	91	85 - 115	2007-06-26
Xylene		mg/L	0.300	0.273	91	85 - 115	2007-06-26

Standard (ICV-1)

QC Batch: 38655 Date Analyzed: 2007-06-28 Analyzed By: JW

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2007-06-28
Toluene		mg/L	0.100	0.102	102	85 - 115	2007-06-28
Ethylbenzene		mg/L	0.100	0.0963	96	85 - 115	2007-06-28
Xylene		mg/L	0.300	0.292	97	85 - 115	2007-06-28

Standard (CCV-1)

QC Batch: 38655 Date Analyzed: 2007-06-28 Analyzed By: JW

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0922	92	85 - 115	2007-06-28
Toluene		mg/L	0.100	0.0918	92	85 - 115	2007-06-28
Ethylbenzene		mg/L	0.100	0.0879	88	85 - 115	2007-06-28
Xylene		mg/L	0.300	0.264	88	85 - 115	2007-06-28

LAB Order ID # 7062130 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: Talon LPE
Phone #: (432) 522-2133
Address: (Street, City, Zip) #9 E. Industrial Loop, Midland, TX 79701
Fax #: (432) 522-2180
Contact Person: Shanna Smith, Camille Reynolds
E-mail: SSmith@Talonlpe.com
Invoice to: (If different from above)
Project #: Plains0465PL SRS 2002-10312
Project Name: Lovington Deep 6"
Project Location (including state): Hobbs, NM
Sampler Signature: John Bates

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
128181	MW-6	2	V	X				X						6/19/07	1345
182	MW-7														1350
183	MW-1														1354
184	MW-8														1359
185	MW-5														1403
186	MW-3														1408
187	MW-4														1411
188	MW-9														1416
189	MW-10														1420
190	MW-12														1424
191	MW-11														1430

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content						Turn Around Time if different from standard	Hold
	X																						

Relinquished by: John Bates Date: 6/21/07 Time: 1120
Received by: Date: Time:
Relinquished by: Date: Time:
Received by: Date: Time:
Relinquished by: Date: Time:
Received at Laboratory by: Helen Allison Date: 6/21/07 Time: 11:20

LAB USE ONLY
Intact (Y) N
Headspace Y (N)
Temp 3.5 °C
Log-In-Review

REMARKS: all tests - Midland

- [ ] Dry Weight Basis Required
- [ ] TRRP Report Required
- [ ] Check If Special Reporting Limits Are Needed

Carrier # Carrylon

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

22 HS

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TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Shanna Smith
Talon/LPE-Midland
#9 East Industrial Loop
Midland, TX, 79701

Report Date: September 21, 2007

Work Order: 7092008

Order #: SRS 2002-10312
Project Location: Hobbs, NM
Project Name: Lovington Deep 6 inch
Project Number: Plains 046SPL

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
136956	MW-6	water	2007-09-19	15:50	2007-09-20
136957	MW-7	water	2007-09-19	16:00	2007-09-20
136958	MW-1	water	2007-09-19	15:55	2007-09-20
136959	MW-8	water	2007-09-19	17:00	2007-09-20
136960	MW-5	water	2007-09-19	17:30	2007-09-20
136961	MW-3	water	2007-09-19	16:50	2007-09-20
136962	MW-4	water	2007-09-19	17:13	2007-09-20
136963	MW-9	water	2007-09-19	17:07	2007-09-20
136964	MW-10	water	2007-09-19	16:40	2007-09-20
136965	MW-12	water	2007-09-19	16:20	2007-09-20
136966	MW-11	water	2007-09-19	16:12	2007-09-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 136956 - MW-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0870	mg/L	1	0.100	87	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0988	mg/L	1	0.100	99	47.6 - 121.4

Sample: 136957 - MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0807	mg/L	1	0.100	81	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0850	mg/L	1	0.100	85	47.6 - 121.4

Sample: 136958 - MW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0623	mg/L	1	0.100	62	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0672	mg/L	1	0.100	67	47.6 - 121.4

Sample: 136959 - MW-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0688	mg/L	1	0.100	69	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0697	mg/L	1	0.100	70	47.6 - 121.4

Sample: 136960 - MW-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0383**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0724**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0636	mg/L	1	0.100	64	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0655	mg/L	1	0.100	66	47.6 - 121.4

Sample: 136961 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**10.8**	mg/L	100	0.00100

continued ...

sample 136961 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		**2.00**	mg/L	100	0.00100
Ethylbenzene		**0.679**	mg/L	100	0.00100
Xylene		**1.06**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.72	mg/L	100	10.0	57	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		6.34	mg/L	100	10.0	63	47.6 - 121.4

Sample: 136962 - MW-4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0179**	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.294	mg/L	5	0.500	59	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.316	mg/L	5	0.500	63	47.6 - 121.4

Sample: 136963 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0624	mg/L	1	0.100	62	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0634	mg/L	1	0.100	63	47.6 - 121.4

Sample: 136964 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**8.05**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		**0.312**	mg/L	100	0.00100
Xylene		**0.133**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.58	mg/L	100	10.0	56	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		6.47	mg/L	100	10.0	65	47.6 - 121.4

Sample: 136965 - MW-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.264**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.0447**	mg/L	1	0.00100
Xylene		**0.0203**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0571	mg/L	1	0.100	57	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0654	mg/L	1	0.100	65	47.6 - 121.4

Sample: 136966 - MW-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	41341	Date Analyzed:	2007-09-21	Analyzed By:	
Prep Batch:	35722	Sample Preparation:	2007-09-20	Prepared By:	

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0593	mg/L	1	0.100	59	55.9 - 102.7
4-Bromofluorobenzene (4-BFB)		0.0640	mg/L	1	0.100	64	47.6 - 121.4

Method Blank (1) QC Batch: 41341

QC Batch: 41341 | Date Analyzed: 2007-09-21 | Analyzed By:
Prep Batch: 35722 | QC Preparation: 2007-09-20 | Prepared By:

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0593	mg/L	1	0.100	59	54.8 - 117.8
4-Bromofluorobenzene (4-BFB)		0.0649	mg/L	1	0.100	65	46.7 - 110.4

Laboratory Control Spike (LCS-1)

QC Batch: 41341 | Date Analyzed: 2007-09-21 | Analyzed By:
Prep Batch: 35722 | QC Preparation: 2007-09-20 | Prepared By:

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0891	mg/L	1	0.100	<0.000200	89	66.7 - 120.6
Toluene	0.0964	mg/L	1	0.100	<0.000200	96	73.1 - 118.2
Ethylbenzene	0.0935	mg/L	1	0.100	<0.000200	94	73.7 - 116.2
Xylene	0.287	mg/L	1	0.300	<0.000300	96	75.2 - 116.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0915	mg/L	1	0.100	<0.000200	92	66.7 - 120.6	3	20
Toluene	0.0968	mg/L	1	0.100	<0.000200	97	73.1 - 118.2	0	20
Ethylbenzene	0.0946	mg/L	1	0.100	<0.000200	95	73.7 - 116.2	1	20
Xylene	0.290	mg/L	1	0.300	<0.000300	97	75.2 - 116.3	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0528	0.0549	mg/L	1	0.100	53	55	51.7 - 106.3
4-Bromofluorobenzene (4-BFB)	0.0605	0.0614	mg/L	1	0.100	60	61	51.4 - 117.9

Standard (ICV-1)

QC Batch: 41341 | Date Analyzed: 2007-09-21 | Analyzed By:

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0909	91	85 - 115	2007-09-21
Toluene		mg/L	0.100	0.0978	98	85 - 115	2007-09-21
Ethylbenzene		mg/L	0.100	0.0953	95	85 - 115	2007-09-21
Xylene		mg/L	0.300	0.290	97	85 - 115	2007-09-21

Standard (CCV-1)

QC Batch: 41341 | Date Analyzed: 2007-09-21 | Analyzed By:

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0875	88	85 - 115	2007-09-21
Toluene		mg/L	0.100	0.0935	94	85 - 115	2007-09-21
Ethylbenzene		mg/L	0.100	0.0918	92	85 - 115	2007-09-21
Xylene		mg/L	0.300	0.282	94	85 - 115	2007-09-21

LAB Order ID # 7092008

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

6015 Harris Pkwy., Suite 110
Ft. Worth, Texas 76132
Tel (817) 201-5260

Company Name: Talon LPE

Phone #:

Address: (Street, City, Zip) 2901 Rankin Hwy

Fax #: 432-522-2133

Contact Person: Shanna Smith, Camille Reynolds

E-mail: ssmith@talonlpe.com

Invoice to: (If different from above)

Project #: PLAINS046SPL SRS 2002-10312

Project Name: Lovington Deep 6"

Project Location (including state): Hobbs, NM

Sampler Signature: Cinlo Chavez

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content						Turn Around Time if different from standard	Hold
136956	MW-6	2	✓	X				X						9-19-07	1550		X																					
957	MW-7	2	✓												1600																							
958	MW-1	2	✓												1555																							
959	MW-8	2	✓												1700																							
960	MW-5	2	✓												1730																							
961	MW-3	2	✓												1650																							
962	MW-4	2	✓												1713																							
963	MW-9	2	✓												1707																							
964	MW-10	2	✓												1640																							
965	MW-12	2	✓												1620																							
966	MW-11	2	✓												1612																							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Cinlo Chavez	9-20-07	1025			
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by: Relinquished later	Date: 9/19/07	Time: 1025

LAB USE ONLY

Intact (Y) N

Headspace Y (N)

Temp. 2-1° C

Log-in-Review

REMARKS: all tests - Midland

☐ Dry Weight Basis Required

☐ TRRP Report Required

☐ Check If Special Reporting Limits Are Needed

Carrier # Courier

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Shanna Smith
Talon LPE
921 North Bivins
Amarillo, TX, 79107

Report Date: December 10, 2007

Work Order: 7120501

Order #: SRS 2002-10312
Project Location: Hobbs, NM
Project Name: Lovington Deep 6 inch
Project Number: Plains 046SPL

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
144414	MW-1	water	2007-12-04	11:35	2007-12-05
144415	MW-3	water	2007-12-04	11:37	2007-12-05
144416	MW-4	water	2007-12-04	11:10	2007-12-05
144417	MW-5	water	2007-12-04	11:12	2007-12-05
144418	MW-6	water	2007-12-04	11:24	2007-12-05
144419	MW-7	water	2007-12-04	11:30	2007-12-05
144420	MW-8	water	2007-12-04	11:32	2007-12-05
144421	MW-9	water	2007-12-04	11:00	2007-12-05
144422	MW-10	water	2007-12-04	11:05	2007-12-05
144423	MW-11	water	2007-12-04	11:07	2007-12-05
144424	MW-12	water	2007-12-04	10:55	2007-12-05

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 144414 - MW-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0989	mg/L	1	0.100	99	70 - 130

Sample: 144415 - MW-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**12.2**		mg/L	100	0.00100
Toluene		**1.78**		mg/L	100	0.00100
Ethylbenzene		**0.762**		mg/L	100	0.00100
Xylene		**1.16**		mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.1	mg/L	100	10.0	101	70 - 130
4-Bromofluorobenzene (4-BFB)		9.97	mg/L	100	10.0	100	70 - 130

Sample: 144416 - MW-4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00500		mg/L	5	0.00100
Toluene		<0.00500		mg/L	5	0.00100
Ethylbenzene		<0.00500		mg/L	5	0.00100
Xylene		<0.00500		mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.497	mg/L	5	0.500	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.495	mg/L	5	0.500	99	70 - 130

Sample: 144417 - MW-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0628**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0894**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0989	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.103	mg/L	1	0.100	103	70 - 130

Sample: 144418 - MW-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0978	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0987	mg/L	1	0.100	99	70 - 130

Sample: 144419 - MW-7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100

continued ...

sample 144419 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0994	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0979	mg/L	1	0.100	98	70 - 130

Sample: 144420 - MW-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0989	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0978	mg/L	1	0.100	98	70 - 130

Sample: 144421 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.00100		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0987	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0975	mg/L	1	0.100	98	70 - 130

Sample: 144422 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**11.1**	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		**0.275**	mg/L	50	0.00100
Xylene		**0.185**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.99	mg/L	50	5.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		4.97	mg/L	50	5.00	99	70 - 130

Sample: 144423 - MW-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43642	Date Analyzed:	2007-12-06	Analyzed By:	DC
Prep Batch:	37601	Sample Preparation:	2007-12-05	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0993	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0979	mg/L	1	0.100	98	70 - 130

Sample: 144424 - MW-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	43700	Date Analyzed:	2007-12-08	Analyzed By:	DC
Prep Batch:	37655	Sample Preparation:	2007-12-07	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.420**	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		**0.0668**	mg/L	10	0.00100
Xylene		**0.0400**	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.968	mg/L	10	1.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)		0.996	mg/L	10	1.00	100	70 - 130

Method Blank (1) QC Batch: 43642

QC Batch: 43642 | Date Analyzed: 2007-12-06 | Analyzed By: DC
Prep Batch: 37601 | QC Preparation: 2007-12-06 | Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000300	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000500	mg/L	0.001
Xylene		0.000800	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0981	mg/L	1	0.100	98	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0985	mg/L	1	0.100	98	70 - 130

Method Blank (1) QC Batch: 43700

QC Batch: 43700 | Date Analyzed: 2007-12-08 | Analyzed By: DC
Prep Batch: 37655 | QC Preparation: 2007-12-07 | Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000300	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000500	mg/L	0.001
Xylene		<0.000400	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0993	mg/L	1	0.100	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0987	mg/L	1	0.100	99	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 43642 | Date Analyzed: 2007-12-06 | Analyzed By: DC
Prep Batch: 37601 | QC Preparation: 2007-12-06 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.100	mg/L	1	0.100	<0.000300	100	70 - 130
Toluene	0.103	mg/L	1	0.100	<0.000200	103	70 - 130

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ethylbenzene	0.0992	mg/L	1	0.100	<0.000500	99	70 - 130
Xylene	0.296	mg/L	1	0.300	<0.000400	99	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.103	mg/L	1	0.100	<0.000300	103	70 - 130	3	
Toluene	0.102	mg/L	1	0.100	<0.000200	102	70 - 130	1	
Ethylbenzene	0.101	mg/L	1	0.100	<0.000500	101	70 - 130	2	
Xylene	0.302	mg/L	1	0.300	<0.000400	101	70 - 130	2	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.100	0.0997	mg/L	1	0.100	100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0996	0.0997	mg/L	1	0.100	100	100	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 43700 | Date Analyzed: 2007-12-08 | Analyzed By: DC
Prep Batch: 37655 | QC Preparation: 2007-12-07 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.102	mg/L	1	0.100	<0.000300	102	70 - 130
Toluene	0.100	mg/L	1	0.100	<0.000200	100	70 - 130
Ethylbenzene	0.100	mg/L	1	0.100	<0.000500	100	70 - 130
Xylene	0.301	mg/L	1	0.300	<0.000400	100	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.101	mg/L	1	0.100	<0.000300	101	70 - 130	1	
Toluene	0.0998	mg/L	1	0.100	<0.000200	100	70 - 130	0	
Ethylbenzene	0.100	mg/L	1	0.100	<0.000500	100	70 - 130	0	
Xylene	0.300	mg/L	1	0.300	<0.000400	100	70 - 130	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0997	0.0998	mg/L	1	0.100	100	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0994	0.100	mg/L	1	0.100	99	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 144416

QC Batch: 43642 | Date Analyzed: 2007-12-06 | Analyzed By: DC
Prep Batch: 37601 | QC Preparation: 2007-12-06 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.497	mg/L	5	0.500	<0.00150	99	70 - 130
Toluene	0.492	mg/L	5	0.500	<0.00100	98	70 - 130
Ethylbenzene	0.490	mg/L	5	0.500	<0.00250	98	70 - 130
Xylene	1.46	mg/L	5	1.50	<0.00200	97	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.489	mg/L	5	0.500	<0.00150	98	70 - 130	2	
Toluene	0.486	mg/L	5	0.500	<0.00100	97	70 - 130	1	
Ethylbenzene	0.487	mg/L	5	0.500	<0.00250	97	70 - 130	1	
Xylene	1.45	mg/L	5	1.50	<0.00200	97	70 - 130	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.497	0.497	mg/L	5	0.5	99	99	70 - 130
4-Bromofluorobenzene (4-BFB)	0.501	0.500	mg/L	5	0.5	100	100	70 - 130

Matrix Spike (MS-1) Spiked Sample: 144603

QC Batch: 43700 | Date Analyzed: 2007-12-08 | Analyzed By: DC
Prep Batch: 37655 | QC Preparation: 2007-12-07 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0938	mg/L	1	0.100	<0.000300	94	70 - 130
Toluene	0.0933	mg/L	1	0.100	<0.000200	93	70 - 130
Ethylbenzene	0.0940	mg/L	1	0.100	<0.000500	94	70 - 130
Xylene	0.281	mg/L	1	0.300	<0.000400	94	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0952	mg/L	1	0.100	<0.000300	95	70 - 130	2	
Toluene	0.0950	mg/L	1	0.100	<0.000200	95	70 - 130	2	
Ethylbenzene	0.0961	mg/L	1	0.100	<0.000500	96	70 - 130	2	
Xylene	0.287	mg/L	1	0.300	<0.000400	96	70 - 130	2	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0995	0.0991	mg/L	1	0.1	100	99	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0994	0.0997	mg/L	1	0.1	99	100	70 - 130

Standard (ICV-1)

QC Batch: 43642 | Date Analyzed: 2007-12-06 | Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.105	105	85 - 115	2007-12-06
Toluene		mg/L	0.100	0.106	106	85 - 115	2007-12-06
Ethylbenzene		mg/L	0.100	0.106	106	85 - 115	2007-12-06
Xylene		mg/L	0.300	0.317	106	85 - 115	2007-12-06

Standard (CCV-1)

QC Batch: 43642 Date Analyzed: 2007-12-06 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.103	103	85 - 115	2007-12-06
Toluene		mg/L	0.100	0.103	103	85 - 115	2007-12-06
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2007-12-06
Xylene		mg/L	0.300	0.309	103	85 - 115	2007-12-06

Standard (ICV-1)

QC Batch: 43700 Date Analyzed: 2007-12-08 Analyzed By: DC

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.100	100	85 - 115	2007-12-08
Toluene		mg/L	0.100	0.0988	99	85 - 115	2007-12-08
Ethylbenzene		mg/L	0.100	0.0991	99	85 - 115	2007-12-08
Xylene		mg/L	0.300	0.297	99	85 - 115	2007-12-08

Standard (CCV-1)

QC Batch: 43700 Date Analyzed: 2007-12-08 Analyzed By: DC

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.103	103	85 - 115	2007-12-08
Toluene		mg/L	0.100	0.101	101	85 - 115	2007-12-08
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2007-12-08
Xylene		mg/L	0.300	0.303	101	85 - 115	2007-12-08

LAB Order ID # 7120501 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9, Lubbock, Texas 79424, Tel (806) 794-1296, Fax (806) 794-1298, 1 (800) 378-1296
5002 Basin Street, Suite A1, Midland, Texas 79703, Tel (432) 689-6301, Fax (432) 689-6313
200 East Sunset Rd., Suite E, El Paso, Texas 79922, Tel (915) 585-3443, Fax (915) 585-4944, 1 (888) 588-3443
8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: Talon/LPE
Address: (Street, City, Zip)
Phone #: (432) 522-2133
Fax #:
Contact Person: Shanna Smith
E-mail: SSmith@talonlpe.com
Invoice to: (If different from above) PLAINS Camille Reynolds SB# 2002-10312
Project #: PLAINS046SPL
Project Name: Deeple
Project Location (including state): Hobbs, N.M.
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
	MW-1	2	40ml	X				X				X		12/4/07	1135		X																	
	MW-3	2		X				X				X			1137		X																	
	MW-4	2		X				X				X			1140		X																	
	MW-5	2		X				X				X			1142		X																	
	MW-6	2		X				X				X			1124		X																	
	MW-7	2		X				X				X			1136		X																	
	MW-8	2		X				X				X			1132		X																	
	MW-9	2		X				X				X			1140		X																	
	MW-10	2		X				X				X			1105		X																	
	MW-11	2		X				X				X			1107		X																	
	MW-12	2		X				X				X			1055		X																	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
		12/5/07	0800					
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
	TALONLPE	12/5/07	0840		TRACE	12/5/07	8:40	1.9 °C
Relinquished by:	Company:	Date:	Time:	Received by	Company:	Date:	Time:	Temp°c:

LAB USE ONLY
Intact Y N
Headspace Y N NA
Log-in-Review

REMARKS:
All tests - Midland

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # Courier

ORIGINAL COPY

APPENDIX D

NMOCD C-141

PLAINS ALL AMERICAN

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised March 17, 1999

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

Release Notification and Corrective Action ☐ Initial Report ☒ Final Report

RP-1274

Name of Company: Plains All American Pipeline, L.P. (formerly Link Energy and EOTT)	**Contact:** Camille Reynolds
Address: 3112 W. US Hwy 82, Lovington, NM 88260	**Telephone No.:** 505.441.0965
Facility Name: Lovington Deep 6"	**Facility Type:** Crude Oil Pipeline

Surface Owner: Darr Angell	**Mineral Owner:**	**Lease No.:**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	
H	6	17S	36E					**County:** Lea **Lat.:** 32°52'1.132"N **Lon:** 103°23'16.570"W

NATURE OF RELEASE

Type of Release: Crude Oil	**Volume of Release:** 25 bbls	**Volume Recovered:** 10 bbls
Source of Release: 6" steel pipeline	**Date and Hour of Occurrence:** 12-12-02 8:00 AM	**Date and Hour of Discovery:** 12-12-02 10:00 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** Paul Sheeley and Sylvia Dickie, Hobbs NMOCD (left messages) Confirmed with Sylvia Dickie at 11:45 AM 12-12-02	
By Whom? Pat McCasland (Environmental Plus, Inc.)	**Date and Hour:** NMOCD notified on 12-12-02 10:30 AM	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.** NA	

If a Watercourse was Impacted, Describe Fully.* NA

Describe Cause of Problem and Remedial Action Taken.* The cause of the leak was internal/external corrosion. The contaminated soil was stockpiled on a plastic barrier. Disposing at South Monument SWF

Describe Area Affected and Cleanup Action Taken.* The crude oil release was excavated: impacted soil was placed adjacent to the excavation, confirmation soil samples were collected form the floor & walls of the excavation. Once confirmation samples were below NMOCD regulatory standards, a 20 mil synthetic liner was installed on the floor of the excavation area, 10,500 cubic yards of stockpiled soil previously processed through a shredder was placed in the excavation area once the impacted soil was deemed acceptable under the NMMOCD-approved VOC readings of <100.0 ppm, the site was restored to natural grade.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	**OIL CONSERVATION DIVISION**
Printed Name: Camille Reynolds	**Approved by District Supervisor:**
Title: Remediation Coordinator	**Approval Date:** / **Expiration Date:**
Date: July 30, 2007 **Phone:** 505.441.0965	**Conditions of Approval:** / **Attached** ☐

* Attach Additional Sheets If Necessary

EOTT Energy Pipeline Site Information and Metrics	**Incident Date and NMOCD Notified?:** Discovered 12-12-02 NMOCD verbally notified on 12-12-02
SITE: Lovington Deep 6"	**Assigned Site Reference #:** 2002-10312
Company: EOTT Energy Pipeline	
Street Address: 5805 East Highway 80	
Mailing Address: P.O. Box 1660	
City, State, Zip: Midland, Texas 79703	
Representative: Frank Hernandez, District Environmental Supervisor	
Representative Telephone: 915.638.3799	
Telephone:	
Fluid volume released (bbls): 25 bbls	**Recovered (bbls):** 10
>25 bbls : Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: Lovington Deep 6"	
Source of contamination: 6" Steel Crude Oil Pipeline	
Land Owner, i.e., BLM, ST, Fee, Other: Darr Angell	
LSP Dimensions: 140' X 75'	
LSP Area: Spill Area ~6,000 ft^2	
Location of Reference Point (RP):	
Location distance and direction from RP:	
Latitude: 32° 52' 1.132"N	
Longitude: 103° 23' 16.570"W	
Elevation above mean sea level: ~3,918 'amsl	
Feet from South Section Line:	
Feet from West Section Line:	
Location- Unit or ¼¼: UL-H SE ¼ of the NE ¼	
Location- Section: 6	
Location- Township: 17S	
Location- Range: 36E	
Surface water body within 1000 ' radius of site: None	
Domestic water wells within 1000' radius of site: None	
Agricultural water wells within 1000' radius of site: None	
Public water supply wells within 1000' radius of site: None	
Depth from land surface to ground water (DG): ~50.0 feet	
Depth of contamination (DC): ?	
Depth to ground water (DG – DC = DtGW): <50 feet	

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

Site Rank (1+2+3) = 20

Total Site Ranking Score and Acceptable Concentrations

Parameter	>19 (Surface to 50.0'bgs)	10-19	0-9
Benzene[1]	**10 ppm**	10 ppm	10 ppm
BTEX[1]	**50 ppm**	50 ppm	50 ppm
TPH	**100 ppm**	1000 ppm	5000 ppm

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