AP - 054

QUARTERLY MONITORING REPORT

7/31/2008

PLAINS PIPELINE

RECEIVED
2008 AUG 1 PM 12 24

July 31, 2008

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

Re: Plains Pipeline, L. P. Hobbs Junction Mainline Release Site
NMOCD Reference # AP-054
Unit Letter M of Section 26, Township 18 South, Range 37 East
Lea County, New Mexico

Dear Mr. Hansen,

Plains Pipeline, L. P. is pleased to submit the attached 2008 Status Letter and Second Quarter 2008 Summary, dated July 27, 2008, for the Hobbs Junction Mainline release site located in Section 26 of Township 18 South, and Range 37 East of Lea County, New Mexico. This document summarizes the status of recent site activities.

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

Sincerely,

Camille Bryant

Camille Bryant
Remediation Coordinator
Plains Pipeline

CC: Larry Johnson, NMOCD, Hobbs Office

Enclosure

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July 27, 2008

Mr. Edward Hansen
New Mexico Oil Conservation Division (NMOCD)
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: 2008 Status Letter and Second Quarter 2008 Summary
Plains Pipeline, L.P. Hobbs Junction Mainline (Plains SRS#2003-00017)
NMOCD Reference # AP-054
UL-M (SW¼ of the SW¼) of Section 26, T18S, R37E
Latitude: 32° 42' 40.85"N and Longitude: 103° 13' 42.01"W
Landowner: State of New Mexico and Ms. Faye Klein
Lea County, New Mexico

Dear Mr. Hansen:

Talon/LPE on behalf of Plains Pipeline, L.P. (Plains), provides this letter to summarize the status of recent site activities conducted at the above referenced site.

A "Corrective Action Plan Addendum" dated April 17, 2008, was submitted and is pending approval from the NMOCD. This addendum proposes an aggressive remediation plan to address the soil column to a depth of 30 feet below ground surface (BGS).

Prior to July 16, 2008, five skimmer pumps and one total fluid pump were utilized to recover phase-separated hydrocarbons (PSH) and inhibit migration of the PSH plume. The system is maintained weekly to optimize recovery rates. The skimmer and total fluid pumps have been effective in decreasing the PSH levels across the site. A frac tank is utilized to contain the purge water and PSH. The frac tank is gauged weekly to monitor PSH recovery. Accurate product volumes are determined when the PSH is removed via vacuum truck.

On July 16, 2008, four additional AP-4 pneumatic total fluid pumps were installed in monitor wells MW-1, MW-3, MW-4, and MW-12, bringing the total number of total fluid pumps to five. Due to the increased fluid recovery, an additional frac tank was added to the recovery network. The two frac tanks are connected in series and are utilized for fluid collection and PSH separation. Both frac tanks are equipped with high level shut off switches to prevent overflow. Currently, the recovered water is removed via vacuum truck and transported to an approved NMOCD disposal facility. The recovered PSH is reintroduced into the Plains pipeline system. Plains is in the process of acquiring right-of-way access to the Oxy North Hobbs Satellite 25 facility that is located approximately 2.5 miles to the northeast of the site. Upon receiving right-of-way agreements, a transfer pump and a 4-inch poly line will be installed from the site to the disposal facility.

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In addition to the five total fluid pumps, skimmer pumps are operating in monitor wells MW-2, MW-6, MW-11, MW-14, MW-15, and MW-17. The skimmer network consists of bladder pumps combined with 24" traveling float skimmer attachments in each well. The skimmer system is powered by an electric Ingersoll Rand air compressor. As of July 27, 2008, a total of 78 barrels of crude oil have been recovered (since January 1, 2008). The monthly recovery for the site has averaged approximately 11 barrels of PSH per month. However, due to the recent upgrades the PSH recovery is averaging 7 barrels per week.

The first quarter 2008 groundwater sampling event occurred on March 11, 2008. During the sampling event, monitor wells MW-7, MW-8, MW-9, MW-10, MW-11, MW-13, MW-16, MW-18, MW-19, MW-20, MW-21, and MW-22 were gauged, purged, sampled, and submitted for quantification of benzene, toluene, ethylbenzene, and total xylenes (BTEX), using SW-846 Method 8021B. Groundwater monitor wells MW-1 through MW-6, MW-14, MW-15, and MW-17 were not sampled due to the presence of PSH. Analytical results for the first quarter sampling event are summarized in Table 2 and Figure 3. A groundwater gradient map is presented as Figure 2. A summary of the historical groundwater gauging data is provided in Table 1.

Analytical results from the March 11, 2008, sampling event indicate that BTEX constituents were detected above the laboratory reporting limits in monitor wells MW-10, MW-11, MW-16, and MW-20. Benzene concentrations exceeded the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of 0.010 mg/L in monitor wells MW-10 (1.69 mg/L), MW-11 (24.7 mg/L), MW-16 (0.0124 mg/L), and MW-20 (38.9 mg/L).

On March 17, 2008, Talon/LPE installed monitor wells MW-23 and MW-24 to further delineate the extent of groundwater impact, as requested by the NMOCD. The BTEX and total petroleum hydrocarbons (TPH) concentrations, from soil samples collected 5', 20', and 35' sampling intervals, were below NMOCD regulatory guidelines.

Analytical results from the groundwater sampling event conducted on the newly installed monitor wells MW-23 and MW-24 indicated BTEX and polycyclic aromatic hydrocarbons (PAH) constituent concentrations below laboratory reporting limits.

The second quarter 2008 groundwater sampling event occurred on June 20, 2008. During the sampling event, monitor wells MW-10, MW-16, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23, and MW-24 were gauged, purged, sampled, and submitted for quantification of BTEX using SW-846 Method 8021B. Monitor wells MW-7, MW-8, MW-9, and MW-13 were not scheduled to be sampled during the second quarter. Groundwater monitor wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-11, MW-14, MW-15, and MW-17 were not sampled due to the presence of PSH. During this sampling event, general chemistry and metals parameters were sampled from monitor wells MW-23 and MW-24. Analytical results for the second quarter sampling event are summarized in Table 2 and

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Table 3. A groundwater gradient map is presented as Figure 4. A summary of the historical groundwater gauging data is provided in Table 1.

Analytical results from the June 20, 2008, sampling event indicate that BTEX constituents were detected above the laboratory reporting limits in monitor wells MW-10, MW-18, MW-20, MW-21, and MW-22. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in monitor wells MW-10 (3.25 mg/L), MW-20 (30.7 mg/L), and MW-21 (0.0511 mg/L). General chemistry and metal concentrations exceeded the NMWQCC groundwater standards for total iron (1.0 mg/L) and flouride (1.6 mg/L) in both monitor wells MW-23 (3.35 mg/L and 2.72 mg/L, respectively) and MW-24 (2.39 mg/L and 2.71 mg/L, respectively). In addition, monitor well MW-23 (5.49 mg/L) exceeded the NMWQCC standard for aluminum (5.0 mg/L).

A comparison of the first two quarterly groundwater sampling events conducted in 2008 depicts an increasing dissolved-phase plume in the downgradient wells. However, monitor well MW-16 decreased from 0.0124 mg/L to below detection levels during the second quarter. Monitor well MW-21 increased from below detection levels during the first quarter to 0.0511 mg/L during the second quarter. Of the 5 wells containing benzene concentrations above the NMWQCC groundwater standards, 4 exhibited increasing concentrations during the second quarter. During the second quarter of 2008, monitor well MW-11 (that previously did not contain PSH) now contains 0.60 feet of product. A skimmer pump was subsequently installed in MW-11.

In comparing the gauging data gathered during these two events, the free-phase plume thicknesses have decreased in the upgradient wells (MW-2, MW-6, and MW-14) and increased in the source area wells (MW-1, MW-3, and MW-4). The wells surrounding the total fluid recovery well MW-5, have displayed a decreasing PSH thickness. Overall, the free-phase plume appears to have decreased in thickness across the site (see Figure 3 and Figure 5).

If you have any questions or require further information, please contact me at (432) 522-2133 or Ms. Camille Bryant at (505) 441-0965.

Sincerely,

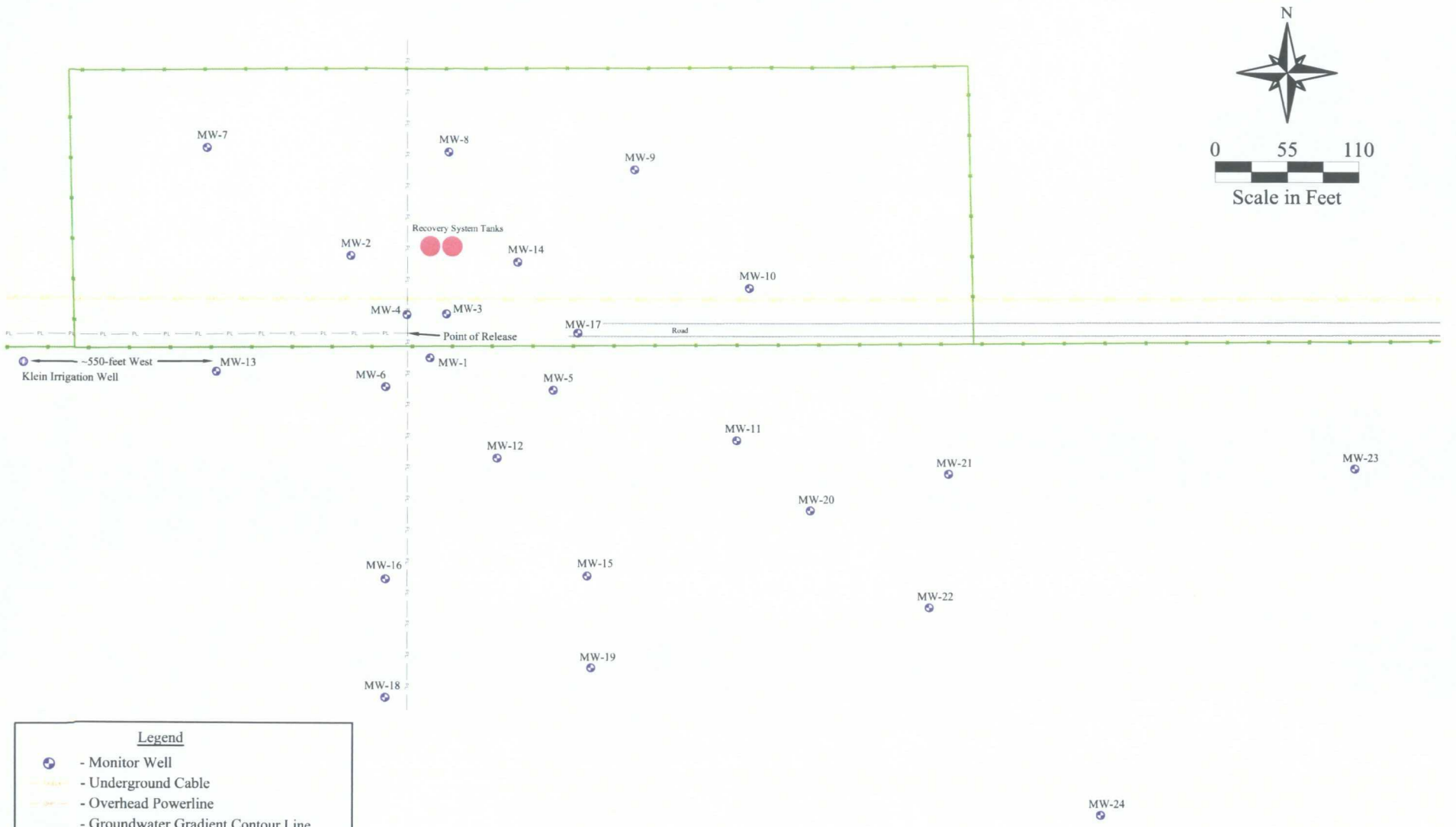
Kyle J. Waggoner
Senior Project Manager

Enclosures

APPENDIX A

Drawings

Figure 1 – Site Plan
Figure 2 – Groundwater Gradient Map (3/11/08)
Figure 3 – PSH Thickness & Groundwater Concentration Map (3/11/08)
Figure 4 – Groundwater Gradient Map (6/20/08)
Figure 5 – PSH Thickness & Groundwater Concentration Map (6/20/08)



TALON LPE

Date: 07/30/2008
Scale: 1" = 110'
Drawn By: SJA

Hobbs Junction Mainline

SRS # 2003-00017 , NMOCD REF. # AP-054
SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico
Figure 1 - Site Plan

Data not included for MW-23 an MW-24

TALON LPE

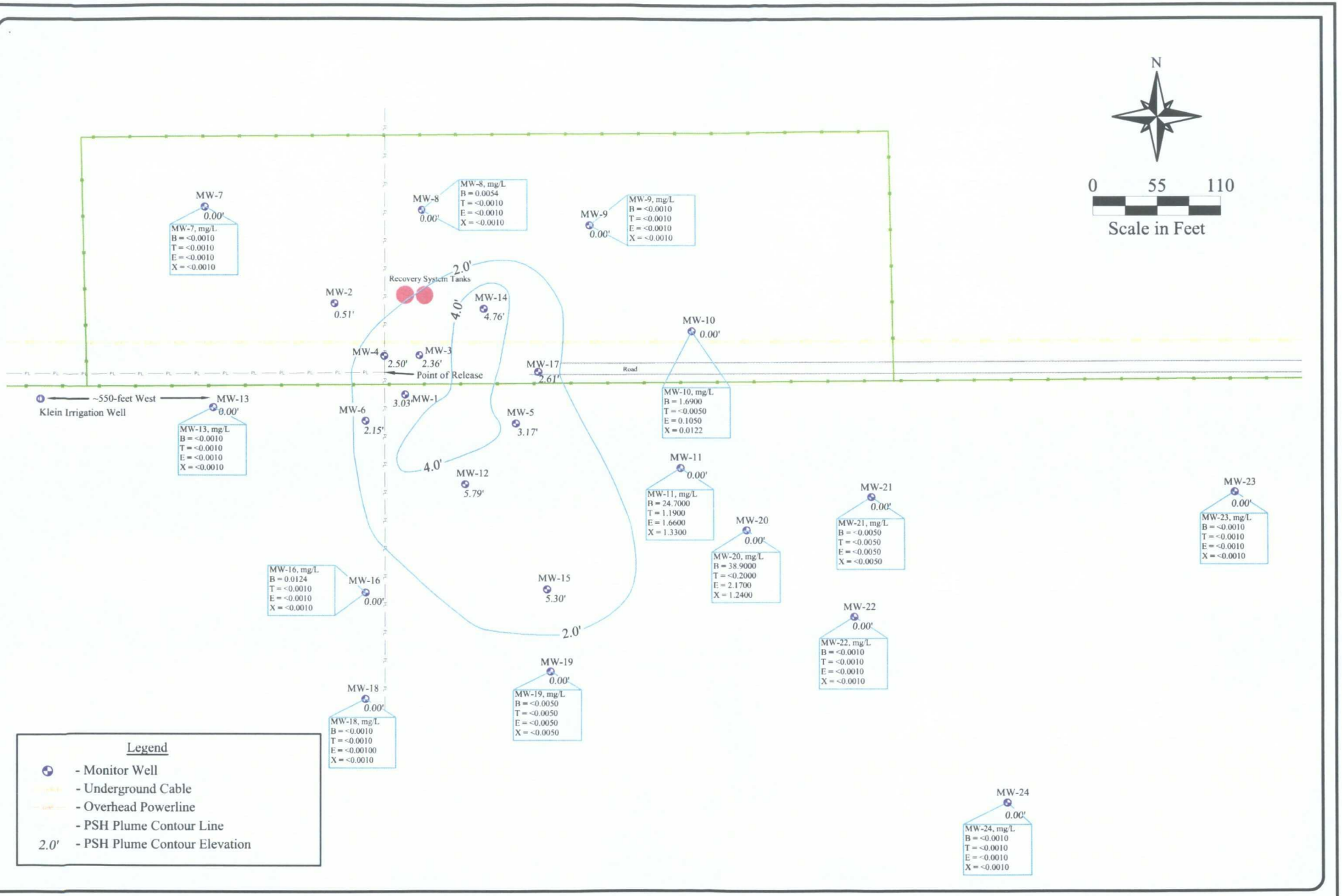
Date: 07/30/2008
Scale: 1" = 110'
Drawn By: SJA

Hobbs Junction Mainline

SRS # 2003-00017 , NMOCD REF. # AP-054

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico

Figure 2 - Groundwater Gradient Map, (03/11/2008)



TALON LPE

Date: 07/30/2008

Scale: 1" = 110'

Drawn By: SJA

Hobbs Junction Mainline

SRS # 2003-00017 , NMOCD REF. # AP-054

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico

Figure 3 - PSH Thickness & Groundwater Concentration Map, (03/11/2008)

TALON LPE

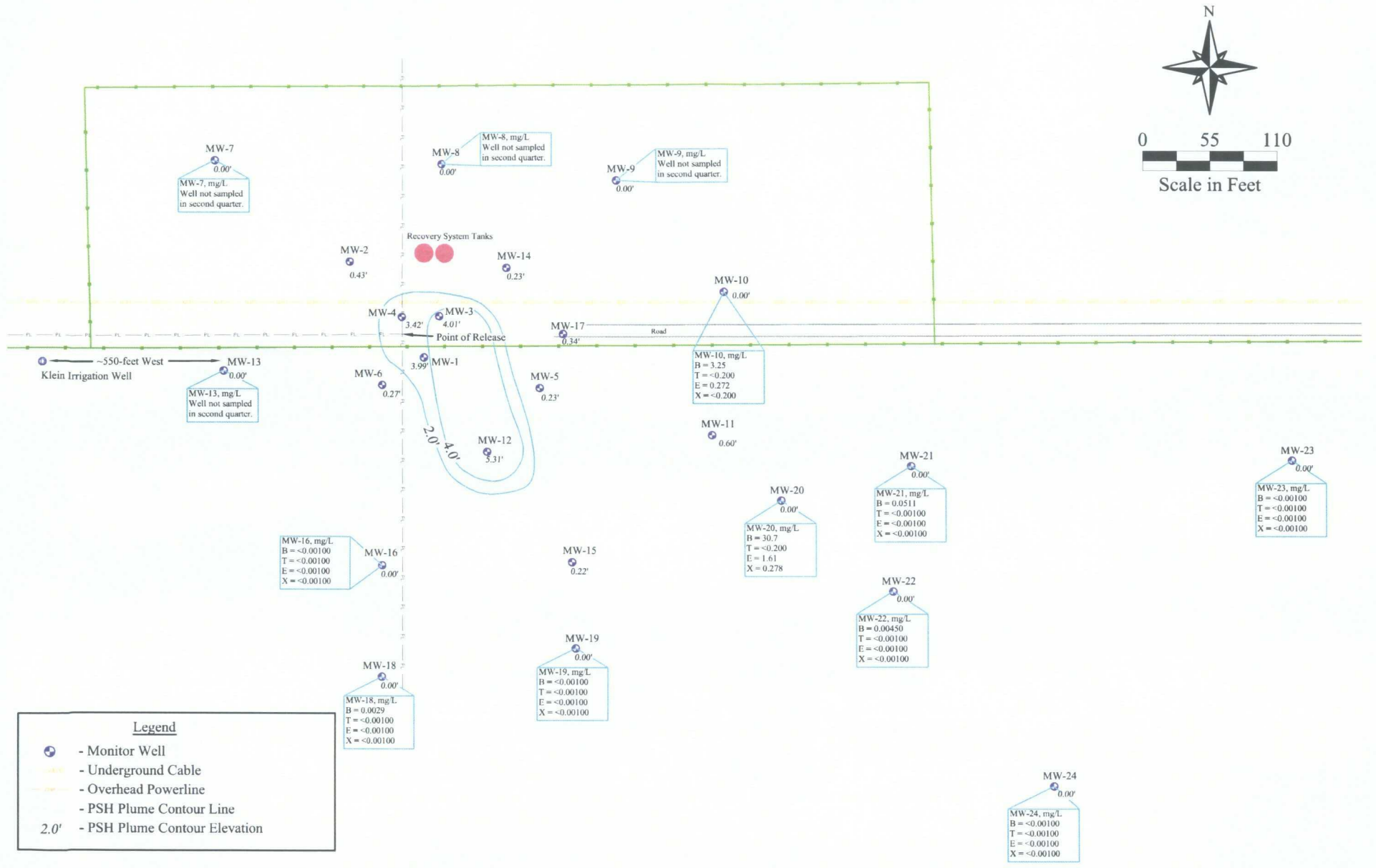
Date: 07/30/2008
Scale: 1" = 110'
Drawn By: SJA

Hobbs Junction Mainline

SRS # 2003-00017 , NMOCD REF. # AP-054

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico

Figure 4 - Groundwater Gradient Map, (06/20/2008)



TALON LPE

Date: 07/30/2008

Scale: 1" = 110'

Drawn By: SJA

Hobbs Junction Mainline

SRS # 2003-00017 , NMOCD REF. # AP-054

SW 1/4, SW 1/4, of Sec. 26, T18S, R37E, Lea County, New Mexico

Figure 5 - PSH Thickness & Groundwater Concentration Map, (06/20/2008)

APPENDIX B

Tables

Table 1 – Groundwater Elevations and Phase Separated Hydrocarbon Thickness
Table 2 – Summary of Groundwater Analytical Results
Table 3 – General Chemistry and Metals in Groundwater

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-1	06/23/03	3,678.50	38.49	45.43	6.94		3,639.32
MW-1	06/25/03		38.48	45.43	6.95		3,639.33
MW-1	07/01/03		36.64	48.25	11.61		3,640.70
MW-1	07/07/03		38.73	45.55	6.82		3,639.09
MW-1	07/22/03		37.32	48.05	10.73		3,640.11
MW-1	07/23/03		37.33	48.06	10.73		3,640.10
MW-1	07/24/03		37.40	47.90	10.50		3,640.05
MW-1	07/30/03		37.41	47.90	10.49		3,640.04
MW-1	10/13/03		36.81	47.34	10.53		3,640.64
MW-1	12/11/03		37.79	46.85	9.06		3,639.80
MW-1	12/15/03		37.75	46.77	9.02		3,639.85
MW-1	02/18/04		38.42	47.64	9.22		3,639.16
MW-1	03/29/04		37.45	45.35	7.90		3,640.26
MW-1	04/29/04		38.26	42.18	3.92		3,639.85
MW-1	05/03/04		37.44	46.11	8.67		3,640.19
MW-1	07/12/04		38.34	45.66	7.32		3,639.43
MW-1	12/09/04		35.90	43.54	7.64		3,641.84
MW-1	02/16/05		35.15	42.54	7.39		3,642.61
MW-1	03/31/05		35.27	42.81	7.54		3,642.48
MW-1	05/13/05		35.31	42.60	7.29		3,642.46
MW-1	05/26/05		35.41	42.61	7.20		3,642.37
MW-1	06/28/05		35.48	42.65	7.17		3,642.30
MW-1	08/15/05		35.72	42.16	6.44		3,642.14
MW-1	11/14/05		36.26	41.80	5.54		3,641.69
MW-1	01/23/06		36.71	42.14	5.43		3,641.25
MW-1	03/02/06		36.36	41.41	5.05		3,641.64
MW-1	06/01/06		37.58	42.01	4.43		3,640.48
MW-1	08/14/06		37.63	43.68	6.05		3,640.27
MW-1	11/28/06		37.27	42.50	5.23		3,640.71
MW-1	12/12/06		37.25	41.49	4.24		3,640.83
MW-1	01/09/07		37.31	42.71	5.40		3,640.65
MW-1	02/08/07		37.25	42.78	5.53		3,640.70
MW-1	02/27/07		37.34	42.88	5.54	8.00	3,640.61
MW-1	03/09/07		37.30	42.74	5.44		3,640.66
MW-1	03/13/07		37.28	42.78	5.50	4.00	3,640.67
MW-1	03/15/07		37.31	42.79	5.48	4.00	3,640.64

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-1	03/23/07		37.32	42.80	5.48		3,640.63
MW-1	03/28/07		37.30	42.78	5.48		3,640.65
MW-1	04/12/07		38.03	42.40	4.37		3,640.03
MW-1	04/18/07		37.47	42.61	5.14		3,640.52
MW-1	05/23/07		38.28	42.24	3.96		3,639.82
MW-1	06/20/07		37.90	41.74	3.84		3,640.22
MW-1	06/28/07		37.87	41.69	3.82		3,640.25
MW-1	07/18/07		37.95	41.63	3.68		3,640.18
MW-1	08/15/07		37.74	42.62	4.88		3,640.27
MW-1	08/22/07		38.41	39.20	0.79		3,640.01
MW-1	08/28/07		38.76	39.08	0.32		3,639.71
MW-1	09/19/07		37.99	40.99	3.00		3,640.21
MW-1	09/25/07		39.30	39.93	0.63		3,639.14
MW-1	10/09/07		38.52	38.90	0.38		3,639.94
MW-1	10/17/07		38.51	38.88	0.37		3,639.95
MW-1	10/26/07		38.49	38.91	0.42		3,639.97
MW-1	11/05/07		38.16	42.11	3.95		3,639.95
MW-1	11/12/07		38.51	38.96	0.45		3,639.95
MW-1	12/05/07		38.12	40.88	2.76		3,640.10
MW-1	01/03/08		38.12	41.04	2.92		3,640.09
MW-1	01/30/08		38.03	41.94	3.91		3,640.08
MW-1	02/04/08		38.02	41.97	3.95		3,640.09
MW-1	02/12/08		38.04	41.96	3.92		3,640.07
MW-1	03/11/08		38.26	41.29	3.03		3,639.94
MW-1	03/26/08		38.82	39.06	0.24		3,639.66
MW-1	04/02/08		39.21	39.42	0.21		3,639.27
MW-1	04/16/08		38.87	39.24	0.37		3,639.59
MW-1	04/29/08		38.87	39.66	0.86		3,639.61
MW-1	05/07/08		38.94	42.34	3.40		3,639.22
MW-1	06/11/08		38.57	42.36	3.79		3,639.55
MW-1	06/20/08		38.59	42.58	3.99		3,639.51

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-2	06/26/03	3,679.47	38.72	44.93	6.21		3,640.13
MW-2	07/01/03		38.65	45.42	6.77		3,640.14
MW-2	07/22/03		38.63	45.63	7.00		3,640.14
MW-2	07/23/03		38.64	45.63	6.99		3,640.13
MW-2	07/24/03		39.20	43.57	4.37		3,639.83
MW-2	07/30/03		39.21	43.58	4.37		3,639.82
MW-2	12/11/03		38.88	45.51	6.63		3,639.93
MW-2	12/15/03		38.84	45.41	6.57		3,639.97
MW-2	03/23/04		38.36	44.52	6.16		3,640.49
MW-2	03/29/04		38.47	44.04	5.57		3,640.44
MW-2	04/29/04		38.16	48.06	9.90		3,640.32
MW-2	05/03/04		38.39	44.27	5.88		3,640.49
MW-2	07/12/04		39.42	44.67	5.25		3,639.53
MW-2	12/09/04		37.00	42.52	5.52		3,641.92
MW-2	02/16/05		36.87	44.03	7.16		3,641.88
MW-2	03/31/05		36.17	41.85	5.68		3,642.73
MW-2	05/13/05		36.27	42.10	5.83		3,642.62
MW-2	05/26/05		36.84	39.29	2.45		3,642.39
MW-2	06/28/05		36.39	41.57	5.18		3,642.56
MW-2	08/15/05		37.15	38.92	1.77		3,642.14
MW-2	11/14/05		37.56	39.16	1.60		3,641.75
MW-2	01/23/06		38.01	39.54	1.53		3,641.31
MW-2	03/02/06		37.60	38.93	1.33		3,641.74
MW-2	06/01/06		38.48	41.05	2.57		3,640.73
MW-2	08/14/06		39.23	41.24	2.01		3,640.04
MW-2	11/28/06		38.33	40.73	2.40		3,640.90
MW-2	12/12/06		37.80	44.10	6.30		3,641.04
MW-2	01/09/07		38.20	42.21	4.01		3,640.87
MW-2	02/08/07		37.94	42.60	4.66		3,641.06
MW-2	02/27/07		38.15	43.34	5.19	8.00	3,640.80
MW-2	03/09/07		38.07	42.24	4.17		3,640.98
MW-2	03/13/07		38.07	42.32	4.25	3.50	3,640.98
MW-2	03/15/07		38.09	42.39	4.30	4.50	3,640.95
MW-2	03/23/07		38.16	42.00	3.84		3,640.93
MW-2	03/28/07		38.13	42.22	4.09		3,640.93
MW-2	04/12/07		38.51	41.93	3.42		3,640.62

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-2	04/18/07		38.97	39.73	0.76		3,640.42
MW-2	05/23/07		38.98	39.50	0.52		3,640.44
MW-2	06/20/07		38.94	39.90	0.96		3,640.43
MW-2	06/28/07		38.66	40.88	2.22		3,640.59
MW-2	07/18/07		38.53	41.85	3.32		3,640.61
MW-2	08/15/07		38.50	42.11	3.61		3,640.61
MW-2	08/28/07		38.40	42.21	3.81		3,640.69
MW-2	09/19/07		38.41	42.18	3.77		3,640.68
MW-2	09/25/07		38.41	42.20	3.79		3,640.68
MW-2	10/09/07		38.86	40.37	1.51		3,640.46
MW-2	10/17/07		38.93	40.07	1.14		3,640.43
MW-2	10/26/07		38.68	41.27	2.59		3,640.53
MW-2	11/05/07		38.80	40.64	1.84		3,640.49
MW-2	11/12/07		38.91	40.23	1.32		3,640.43
MW-2	12/05/07		38.72	41.51	2.79		3,640.47
MW-2	01/03/08		39.87	41.11	1.24		3,639.48
MW-2	01/30/08		38.76	41.78	3.02		3,640.41
MW-2	02/04/08		38.81	41.82	3.01		3,640.36
MW-2	02/12/08		38.78	41.80	3.02		3,640.39
MW-2	03/11/08		39.28	39.79	0.51		3,640.14
MW-2	03/26/08		39.38	39.65	0.27		3,640.06
MW-2	04/02/08		39.44	39.67	0.23		3,640.01
MW-2	04/29/08		39.11	41.58	2.47		3,640.11
MW-2	04/16/08		39.28	40.63	1.35		3,640.06
MW-2	05/07/08		39.08	42.88	3.80		3,640.01
MW-2	06/11/08		39.74	39.91	0.17		3,639.71
MW-2	06/20/08		39.78	40.21	0.43		3,639.65
MW-3	10/13/03	3,679.81	39.21	48.75	9.54		3,639.65
MW-3	12/11/03		39.15	48.95	9.80		3,639.68
MW-3	12/15/03		39.08	50.91	11.83		3,639.55
MW-3	02/18/04		38.72	48.26	9.54		3,640.14
MW-3	03/12/04		39.82	48.49	8.67		3,639.12
MW-3	03/29/04		38.81	46.32	7.51		3,640.25
MW-3	04/29/04		39.49	44.11	4.62		3,639.86

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-3	05/03/04		38.77	46.51	7.74		3,640.27
MW-3	07/12/04		39.68	46.81	7.13		3,639.42
MW-3	12/09/04		37.21	45.06	7.85		3,641.82
MW-3	02/16/05		36.70	42.67	5.97		3,642.51
MW-3	03/31/05		38.17	38.20	0.03		3,641.64
MW-3	05/13/05		36.67	44.45	7.78		3,642.36
MW-3	05/26/05		36.92	42.88	5.96		3,642.29
MW-3	06/28/05		36.72	44.05	7.33		3,642.36
MW-3	08/15/05		37.12	43.17	6.05		3,642.09
MW-3	11/14/05		37.69	42.67	4.98		3,641.62
MW-3	01/23/06		38.08	43.31	5.23		3,641.21
MW-3	03/02/06		37.80	42.37	4.57		3,641.55
MW-3	06/01/06		38.50	42.53	4.03		3,640.91
MW-3	08/14/06		39.27	44.64	5.37		3,640.00
MW-3	11/28/06		38.61	43.75	5.14		3,640.69
MW-3	12/12/06		38.56	43.91	5.35		3,640.72
MW-3	01/09/07		38.36	43.21	4.85		3,640.97
MW-3	02/08/07		38.50	44.15	5.65		3,640.75
MW-3	02/27/07		38.67	44.25	5.58	9.00	3,640.58
MW-3	03/09/07		38.89	44.13	5.24		3,640.40
MW-3	03/13/07		38.58	44.19	5.61	4.50	3,640.67
MW-3	03/15/07		38.62	44.23	5.61	5.00	3,640.63
MW-3	03/23/07		38.61	44.12	5.51		3,640.65
MW-3	03/28/07		38.61	44.23	5.62		3,640.64
MW-3	04/12/07		39.88	39.93	0.05		3,639.93
MW-3	04/18/07		39.64	41.30	1.66		3,640.00
MW-3	05/23/07		39.96	40.32	0.36		3,639.81
MW-3	06/20/07		39.86	40.20	0.34		3,639.92
MW-3	06/28/07		39.86	40.12	0.26		3,639.92
MW-3	07/18/07		39.89	40.19	0.30		3,639.89
MW-3	08/15/07		39.12	43.68	4.56		3,640.23
MW-3	08/22/07		39.11	43.56	4.45		3,640.26
MW-3	08/28/07		39.30	43.09	3.79		3,640.13
MW-3	09/19/07		39.12	43.20	4.08		3,640.28
MW-3	09/25/07		39.17	42.94	3.77		3,640.26
MW-3	10/09/07		39.07	41.74	2.67		3,640.47

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-3	10/17/07		39.12	43.44	4.32		3,640.26
MW-3	10/26/07		39.24	42.99	3.75		3,640.20
MW-3	11/05/07		39.19	43.10	3.91		3,640.23
MW-3	11/12/07		39.90	40.21	0.31		3,639.88
MW-3	12/05/07		39.64	41.52	1.88		3,639.98
MW-3	01/03/08		39.68	41.72	2.04		3,639.93
MW-3	01/30/08		39.65	41.53	1.88		3,639.97
MW-3	02/04/08		39.70	41.59	1.89		3,639.92
MW-3	02/12/08		39.65	41.59	1.94		3,639.97
MW-3	03/11/08		39.46	41.82	2.36		3,640.11
MW-3	03/26/08		40.15	40.41	0.26		3,639.63
MW-3	04/02/08		41.21	41.47	0.26		3,638.57
MW-3	04/16/08		40.21	40.55	0.34		3,639.57
MW-3	04/29/08		40.22	40.69	0.47		3,639.54
MW-3	05/07/08		40.29	43.96	3.67		3,639.15
MW-3	06/11/08		39.89	44.65	4.76		3,639.44
MW-3	06/20/08		39.90	43.91	4.01		3,639.51
MW-4	10/13/03	3,679.64	39.01	48.75	9.74		3,639.66
MW-4	12/11/03		38.92	47.32	8.40		3,639.88
MW-4	12/15/03		38.84	47.16	8.32		3,639.97
MW-4	02/18/04		38.48	46.62	8.14		3,640.35
MW-4	03/12/04		39.09	47.51	8.42		3,639.71
MW-4	03/29/04		38.59	45.62	7.03		3,640.35
MW-4	04/29/04		39.94	44.23	4.29		3,639.27
MW-4	05/03/04		38.55	46.33	7.78		3,640.31
MW-4	07/12/04		39.49	46.24	6.75		3,639.48
MW-4	12/09/04		37.03	44.15	7.12		3,641.90
MW-4	02/16/05		36.28	43.01	6.73		3,642.69
MW-4	03/31/05		36.45	42.62	6.17		3,642.57
MW-4	05/13/05		36.37	43.25	6.88		3,642.58
MW-4	05/26/05		36.51	42.79	6.28		3,642.50
MW-4	06/28/05		36.47	43.26	6.79		3,642.49
MW-4	08/15/05		36.79	42.80	6.01		3,642.25
MW-4	11/14/05		37.35	42.24	4.89		3,641.80

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-4	01/23/06		37.80	42.66	4.86		3,641.35
MW-4	03/02/06		37.43	41.97	4.54		3,641.76
MW-4	06/01/06		38.16	43.90	5.74		3,640.91
MW-4	08/14/06		39.01	44.12	5.11		3,640.12
MW-4	11/28/06		38.37	43.91	5.54		3,640.72
MW-4	12/12/06		38.35	43.06	4.71		3,640.82
MW-4	01/09/07		37.86	44.18	6.32		3,641.15
MW-4	02/08/07		38.28	44.93	6.65		3,640.70
MW-4	02/27/07		38.40	44.38	5.98	9.00	3,640.64
MW-4	03/09/04		38.34	43.32	4.98		3,640.80
MW-4	03/13/07		38.34	43.35	5.01	3.50	3,640.80
MW-4	03/15/07		38.30	43.38	5.08	5.00	3,640.83
MW-4	03/23/07		38.38	43.37	4.99		3,640.76
MW-4	03/28/07		38.37	43.42	5.05		3,640.77
MW-4	04/12/07		38.71	42.96	4.25		3,640.51
MW-4	04/18/07		38.00	43.14	5.14		3,641.13
MW-4	05/23/07		39.87	42.73	2.86		3,639.48
MW-4	06/20/07		38.90	42.52	3.62		3,640.38
MW-4	06/28/07		38.92	42.34	3.42		3,640.38
MW-4	07/18/07		38.99	42.36	3.37		3,640.31
MW-4	08/15/07		39.00	42.33	3.33		3,640.31
MW-4	08/22/07		38.97	42.27	3.30		3,640.34
MW-4	08/28/07		39.12	41.89	2.77		3,640.24
MW-4	09/19/07		38.89	42.32	3.43		3,640.41
MW-4	09/25/07		39.07	41.64	2.57		3,640.31
MW-4	10/09/07		39.12	41.74	2.62		3,640.26
MW-4	10/17/07		39.12	41.66	2.54		3,640.27
MW-4	10/26/07		39.10	41.42	2.32		3,640.31
MW-4	11/05/07		38.94	42.60	3.66		3,640.33
MW-4	11/12/07		39.27	41.09	1.82		3,640.19
MW-4	12/05/07		39.04	41.98	2.94		3,640.31
MW-4	01/03/08		39.26	41.74	2.48		3,640.13
MW-4	01/30/08		39.08	41.55	2.47		3,640.31
MW-4	02/04/08		39.15	41.61	2.46		3,640.24
MW-4	02/12/08		39.10	41.62	2.52		3,640.29
MW-4	03/11/08		39.36	41.86	2.50		3,640.03

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-4	03/26/08		39.18	42.99	3.81		3,640.08
MW-4	04/02/08		39.24	43.07	3.83		3,640.02
MW-4	04/16/08		39.69	41.09	1.40		3,639.81
MW-4	04/29/08		39.77	41.04	1.27		3,639.74
MW-4	05/07/08		40.07	43.59	3.52		3,639.22
MW-4	06/11/08		39.69	42.97	3.28		3,639.62
MW-4	06/20/08		39.65	43.07	3.42		3,639.65
MW-5	10/13/03	3,679.26	40.35	43.02	2.67		3,638.64
MW-5	12/11/03		38.95	47.81	8.86		3,639.42
MW-5	12/15/03		38.91	47.72	8.81		3,639.47
MW-5	02/18/04		38.61	47.44	8.83		3,639.77
MW-5	03/29/04		38.76	46.15	7.39		3,639.76
MW-5	04/29/04		38.55	47.41	8.86		3,639.82
MW-5	05/03/04		38.52	47.46	8.94		3,639.85
MW-5	07/12/04		39.24	47.72	8.48		3,639.17
MW-5	12/09/04		36.99	45.01	8.02		3,641.47
MW-5	02/16/05		36.24	44.48	8.24		3,642.20
MW-5	02/22/05		36.20	44.50	8.30		3,642.23
MW-5	03/31/05		36.38	44.38	8.00		3,642.08
MW-5	05/13/05		36.43	44.29	7.86		3,642.04
MW-5	05/26/05		36.66	43.50	6.84		3,641.92
MW-5	06/28/05		36.58	44.45	7.87		3,641.89
MW-5	08/15/05		36.93	43.52	6.59		3,641.67
MW-5	11/14/05		37.45	43.27	5.82		3,641.23
MW-5	01/23/06		37.85	43.90	6.05		3,640.81
MW-5	03/02/06		37.46	43.41	5.95		3,641.21
MW-5	06/01/06		38.74	43.32	4.58		3,640.06
MW-5	08/14/06		38.92	45.05	6.13		3,639.73
MW-5	11/28/06		38.39	44.35	5.96		3,640.27
MW-5	12/12/06		38.32	44.91	6.59		3,640.28
MW-5	01/09/07		38.47	43.56	5.09		3,640.28
MW-5	02/08/07		38.28	44.42	6.14		3,640.37
MW-5	02/27/07		38.36	45.29	6.93	10.00	3,640.21
MW-5	03/09/07		38.44	45.22	6.78		3,640.14

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-5	03/13/07		38.36	45.08	6.72	6.00	3,640.23
MW-5	03/15/07		38.37	45.09	6.72	5.00	3,640.22
MW-5	03/23/07		38.33	45.15	6.82		3,640.25
MW-5	03/28/07		38.35	45.17	6.82		3,640.23
MW-5	04/12/07		39.69	41.87	2.18		3,639.35
MW-5	04/18/07		40.31	42.84	2.53		3,638.70
MW-5	05/23/07		39.96	40.60	0.64		3,639.24
MW-5	06/20/07		39.38	42.16	2.78		3,639.60
MW-5	06/28/07		39.87	40.41	0.54		3,639.34
MW-5	07/18/07		39.95	40.35	0.40		3,639.27
MW-5	08/22/07		39.85	40.20	0.35		3,639.38
MW-5	08/28/07		39.20	42.98	3.78		3,639.68
MW-5	09/19/07		38.97	43.67	4.70		3,639.82
MW-5	09/25/07		39.14	42.87	3.73		3,639.75
MW-5	10/09/07		40.07	40.29	0.22		3,639.17
MW-5	10/17/07		39.01	43.06	4.05		3,639.85
MW-5	11/05/07		39.07	43.02	3.95		3,639.80
MW-5	12/05/07		39.13	42.26	3.13		3,639.82
MW-5	01/30/08		38.94	44.87	5.93		3,639.73
MW-5	02/04/08		39.05	44.96	5.91		3,639.62
MW-5	02/12/08		38.97	44.90	5.93		3,639.70
MW-5	03/11/08		39.54	42.71	3.17		3,639.40
MW-5	03/26/08		40.10	40.31	0.21		3,639.14
MW-5	04/02/08		40.19	40.39	0.20		3,639.05
MW-5	04/16/08		40.03	40.65	0.62		3,639.17
MW-5	04/29/08		39.14	42.99	3.85		3,639.74
MW-5	06/11/08		40.49	40.67	0.18		3,638.75
MW-5	06/20/08		40.53	40.76	0.23		3,638.71
MW-6	10/13/03	3,680.63	40.04	50.12	10.08		3,639.58
MW-6	12/11/03		40.01	48.43	8.42		3,639.78
MW-6	12/15/03		39.92	48.33	8.41		3,639.87
MW-6	02/18/04		39.63	47.81	8.18		3,640.18
MW-6	03/12/04		39.68	47.51	7.83		3,640.17
MW-6	03/29/04		39.67	46.50	6.83		3,640.28

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-6	04/29/04		40.18	44.76	4.58		3,639.99
MW-6	05/03/04		39.66	46.63	6.97		3,640.27
MW-6	07/12/04		40.52	47.68	7.16		3,639.39
MW-6	12/09/04		38.11	45.06	6.95		3,641.83
MW-6	02/16/05		36.25	44.44	8.19		3,643.56
MW-6	02/22/05		37.25	44.44	7.19		3,642.66
MW-6	03/31/05		37.52	44.15	6.63		3,642.45
MW-6	05/13/05		37.46	44.75	7.29		3,642.44
MW-6	05/26/05		37.71	43.31	5.60		3,642.36
MW-6	06/28/05		37.62	44.18	6.56		3,642.35
MW-6	08/15/05		38.09	42.77	4.68		3,642.07
MW-6	11/14/05		38.64	43.31	4.67		3,641.52
MW-6	01/23/06		39.08	42.67	3.59		3,641.19
MW-6	03/02/06		38.85	41.45	2.60		3,641.52
MW-6	06/01/06		40.06	41.84	1.78		3,640.39
MW-6	08/14/06		40.19	44.64	4.45		3,640.00
MW-6	11/28/06		39.36	44.31	4.95		3,640.78
MW-6	12/12/06		39.32	43.81	4.49		3,640.86
MW-6	01/09/07		39.71	42.41	2.70		3,640.65
MW-6	02/08/07		39.30	44.49	5.19		3,640.81
MW-6	02/27/07		39.41	44.54	5.13	7.00	3,640.71
MW-6	03/09/07		39.40	44.47	5.07		3,640.72
MW-6	03/13/07		39.40	44.47	5.07	4.00	3,640.72
MW-6	03/15/07		39.40	44.50	5.10	4.50	3,640.72
MW-6	03/23/07		39.41	44.42	5.01		3,640.72
MW-6	03/28/07		39.45	44.80	5.35		3,640.65
MW-6	04/12/07		40.33	41.37	1.04		3,640.20
MW-6	04/18/07		40.61	40.83	0.22		3,640.00
MW-6	05/23/07		40.50	40.90	0.40		3,640.09
MW-6	06/20/07		40.58	41.25	0.67		3,639.98
MW-6	06/28/07		40.24	42.01	1.77		3,640.21
MW-6	07/18/07		39.94	43.74	3.80		3,640.31
MW-6	08/15/07		40.51	41.06	0.55		3,640.07
MW-6	08/22/07		40.56	40.81	0.25		3,640.05
MW-6	08/28/07		40.30	42.31	2.01		3,640.13
MW-6	09/19/07		39.78	44.04	4.26		3,640.42

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-6	09/25/07		39.84	44.15	4.31		3,640.36
MW-6	10/09/07		39.82	44.15	4.33		3,640.38
MW-6	10/17/07		40.55	40.83	0.28		3,640.05
MW-6	10/26/07		39.98	43.54	3.56		3,640.29
MW-6	11/05/07		39.88	43.98	4.10		3,640.34
MW-6	11/12/07		39.91	43.99	4.08		3,640.31
MW-6	12/05/07		39.98	43.97	3.99		3,640.25
MW-6	01/03/08		39.66	40.44	0.78		3,640.89
MW-6	01/30/08		40.11	43.81	3.70		3,640.15
MW-6	02/04/08		40.23	43.96	3.73		3,640.03
MW-6	02/12/08		40.15	43.90	3.75		3,640.11
MW-6	03/11/08		39.64	41.79	2.15		3,640.78
MW-6	03/26/08		40.38	43.19	2.81		3,639.97
MW-6	04/02/08		40.90	41.15	0.25		3,639.71
MW-6	04/16/08		40.91	41.23	0.32		3,639.69
MW-6	04/29/08		39.96	41.28	1.32		3,640.54
MW-6	05/07/08		40.60	43.17	2.57		3,639.77
MW-6	06/11/08		41.22	41.47	0.25		3,639.39
MW-6	06/20/08		41.27	41.54	0.27		3,639.33
MW-7	01/23/04	3,679.85		39.64			3,640.21
MW-7	04/29/04			39.29			3,640.56
MW-7	05/12/04			39.29			3,640.56
MW-7	06/03/04			39.27			3,640.58
MW-7	07/12/04			40.42			3,639.43
MW-7	07/19/04			40.68			3,639.17
MW-7	11/08/04			38.66			3,641.19
MW-7	03/31/05			37.07			3,642.78
MW-7	05/13/05			37.10			3,642.75
MW-7	05/23/05			37.09			3,642.76
MW-7	05/26/05			37.13			3,642.69
MW-7	06/28/05			37.16			3,642.69
MW-7	08/15/05			37.32			3,642.45
MW-7	08/17/05			37.26			3,642.59
MW-7	11/14/05			37.40			3,642.45

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-7	01/23/06			38.12			3,641.73
MW-7	03/02/06			37.49			3,642.36
MW-7	06/01/06			38.40			3,641.45
MW-7	08/14/06			39.50			3,640.35
MW-7	11/28/06			38.61			3,641.24
MW-7	12/12/06			38.62			3,641.23
MW-7	01/09/07			38.22			3,641.63
MW-7	02/08/07			38.43			3,641.42
MW-7	02/27/07			38.67			3,641.18
MW-7	03/09/07			38.67			3,641.18
MW-7	03/13/07			38.65			3,641.20
MW-7	03/15/07			38.64			3,641.21
MW-7	03/23/07			38.51			3,641.34
MW-7	03/28/07			38.60			3,641.25
MW-7	04/12/07			38.75			3,641.10
MW-7	04/18/07			38.73			3,641.12
MW-7	05/23/07			38.70			3,641.15
MW-7	06/20/07			38.81			3,641.04
MW-7	07/18/07			38.90			3,640.95
MW-7	09/19/07			38.87			3,640.98
MW-7	11/02/07			38.96			3,640.89
MW-7	11/16/07			38.90			3,640.95
MW-7	12/05/07			38.99			3,640.86
MW-7	01/30/08			39.03			3,640.82
MW-7	03/11/08			39.13			3,640.72
MW-7	04/29/08			39.13			3,640.72
MW-7	05/09/08			39.16			3,640.69
MW-7	06/11/08			39.19			3,640.66
MW-7	06/20/08			39.29			3,640.56

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-8	01/23/04	3,679.07		39.56			3,639.51
MW-8	04/29/04			39.33			3,639.74
MW-8	05/12/04			39.34			3,639.73
MW-8	06/03/04			39.32			3,639.75
MW-8	07/12/04			40.13			3,638.94
MW-8	07/19/04			40.32			3,638.75
MW-8	11/08/04			39.60			3,639.47
MW-8	03/31/05			37.11			3,641.96
MW-8	05/13/05			37.16			3,641.91
MW-8	05/23/05			37.16			3,641.91
MW-8	05/26/05			37.19			3,641.88
MW-8	06/28/05			37.23			3,641.84
MW-8	08/15/05			37.40			3,641.67
MW-8	08/17/05			37.34			3,641.73
MW-8	11/14/05			37.52			3,641.55
MW-8	01/23/06			38.23			3,640.84
MW-8	03/02/06			37.63			3,641.44
MW-8	06/01/06			38.90			3,640.17
MW-8	08/14/06			39.34			3,639.73
MW-8	11/28/06			38.71			3,640.36
MW-8	12/12/06			38.73			3,640.34
MW-8	01/09/07			38.71			3,640.36
MW-8	02/08/07			38.55			3,640.52
MW-8	02/21/07			38.78			3,640.29
MW-8	02/27/07			38.79			3,640.28
MW-8	03/09/07			38.78			3,640.29
MW-8	03/13/07			38.78			3,640.29
MW-8	03/15/07			38.76			3,640.31
MW-8	03/23/07			38.62			3,640.45
MW-8	03/28/07			38.74			3,640.33
MW-8	04/12/07			38.90			3,640.17
MW-8	04/18/07			38.88			3,640.19
MW-8	05/23/07			38.86			3,640.21
MW-8	06/20/07			38.96			3,640.11
MW-8	07/18/07			39.05			3,640.02
MW-8	09/19/07			38.99			3,640.08

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-8	11/02/07			39.06			3,640.01
MW-8	11/16/07			39.06			3,640.01
MW-8	12/05/07			39.09			3,639.98
MW-8	01/30/08			39.11			3,639.96
MW-8	03/11/08			39.24			3,639.83
MW-8	04/29/08			39.27			3,639.80
MW-8	05/09/08			39.26			3,639.81
MW-8	06/11/08			39.30			3,639.77
MW-8	06/20/08			39.40			3,639.67
MW-9	01/23/04	3,678.76		39.91			3,638.85
MW-9	04/29/04			39.68			3,639.08
MW-9	05/12/04			39.69			3,639.07
MW-9	06/03/04			39.67			3,639.09
MW-9	07/12/04			40.34			3,638.42
MW-9	07/19/04			40.44			3,638.32
MW-9	11/08/04			38.84			3,639.92
MW-9	03/31/05			37.48			3,641.28
MW-9	05/13/05			37.54			3,641.22
MW-9	05/23/05			37.55			3,641.21
MW-9	05/26/05			37.59			3,641.17
MW-9	06/28/05			37.64			3,641.12
MW-9	08/15/05			37.82			3,640.94
MW-9	08/17/05			37.77			3,640.99
MW-9	11/14/05			37.95			3,640.81
MW-9	01/23/06			38.65			3,640.11
MW-9	03/02/06			38.05			3,640.71
MW-9	06/01/06			38.73			3,640.03
MW-9	08/14/06			39.57			3,639.19
MW-9	11/28/06			39.12			3,639.64
MW-9	12/12/06			53.10			3,625.66
MW-9	01/09/07			39.14			3,639.62
MW-9	02/08/07			38.97			3,639.79
MW-9	02/21/07			39.22			3,639.54
MW-9	02/27/07			39.21			3,639.55

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-9	03/09/07			39.21			3,639.55
MW-9	03/13/07			39.20			3,639.56
MW-9	03/15/07			39.20			3,639.56
MW-9	03/23/07			39.04			3,639.72
MW-9	03/28/07			39.16			3,639.60
MW-9	04/12/07			39.36			3,639.40
MW-9	04/18/07			39.30			3,639.46
MW-9	05/22/07			39.31			3,639.45
MW-9	06/20/07			39.40			3,639.36
MW-9	07/18/07			39.49			3,639.27
MW-9	09/19/07			39.45			3,639.31
MW-9	11/02/07			39.51			3,639.25
MW-9	11/16/07			39.48			3,639.28
MW-9	12/05/07			39.51			3,639.25
MW-9	01/30/08			39.54			3,639.22
MW-9	03/11/08			39.66			3,639.10
MW-9	04/29/08			39.58			3,639.18
MW-9	05/09/08			39.68			3,639.08
MW-9	06/11/08			39.73			3,639.03
MW-9	06/20/08			39.81			3,638.95
MW-10	01/23/04	3,678.36		39.89			3,638.47
MW-10	04/29/04			39.74			3,638.62
MW-10	05/12/04			39.74			3,638.62
MW-10	06/03/04			39.74			3,638.62
MW-10	07/12/04			40.24			3,638.12
MW-10	07/19/04			40.33			3,638.03
MW-10	11/08/04			38.76			3,639.60
MW-10	03/31/05			37.46			3,640.90
MW-10	05/13/05			37.58			3,640.78
MW-10	05/23/05			37.58			3,640.78
MW-10	05/26/05			37.62			3,640.74
MW-10	06/28/05			37.70			3,640.66
MW-10	08/15/05			37.87			3,640.49
MW-10	08/17/05			37.02			3,641.34

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-10	11/14/05			38.02			3,640.34
MW-10	01/23/06			38.73			3,639.63
MW-10	03/02/06			38.16			3,640.20
MW-10	06/01/06			38.81			3,639.55
MW-10	08/14/06			39.51			3,638.85
MW-10	11/28/06			39.19			3,639.17
MW-10	12/12/06			39.21			3,639.15
MW-10	01/09/07			39.21			3,639.15
MW-10	02/08/07			39.10			3,639.26
MW-10	02/21/07			39.33			3,639.03
MW-10	02/27/07			39.29			3,639.07
MW-10	03/09/07			39.24			3,639.12
MW-10	03/13/07			39.29			3,639.07
MW-10	03/15/07			39.30			3,639.06
MW-10	03/23/07			39.11			3,639.25
MW-10	03/28/07			39.24			3,639.12
MW-10	04/12/07			39.46			3,638.90
MW-10	04/18/07			39.41			3,638.95
MW-10	04/18/07			39.31			3,639.05
MW-10	06/20/07			39.48			3,638.88
MW-10	07/18/07			39.59			3,638.77
MW-10	09/19/07			39.51			3,638.85
MW-10	11/02/07			39.50			3,638.86
MW-10	11/16/07			39.91			3,638.45
MW-10	12/05/07			39.52			3,638.84
MW-10	01/30/08			39.57			3,638.79
MW-10	03/11/08			39.78			3,638.58
MW-10	04/29/08			39.81			3,638.55
MW-10	05/09/08			39.80			3,638.56
MW-10	06/11/08			39.89			3,638.47
MW-10	06/20/08			39.93			3,638.43

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-11	01/23/04	3,678.03		41.40			3,636.63
MW-11	04/29/04			41.07			3,636.96
MW-11	05/12/04			39.57			3,638.46
MW-11	06/03/04			39.61			3,638.42
MW-11	07/12/04			40.04			3,637.99
MW-11	07/19/04			40.10			3,637.93
MW-11	11/08/04			38.66			3,639.37
MW-11	03/31/05			37.25			3,640.78
MW-11	05/13/05			37.40			3,640.63
MW-11	05/23/05			37.34			3,640.69
MW-11	05/26/05			31.45			3,646.58
MW-11	06/28/05			37.54			3,640.49
MW-11	08/15/05			37.60			3,640.43
MW-11	08/17/05			37.61			3,640.42
MW-11	11/14/05			37.80			3,640.23
MW-11	01/23/06			38.58			3,639.45
MW-11	03/02/06			37.97			3,640.06
MW-11	06/01/06			39.15			3,638.88
MW-11	08/14/06			39.33			3,638.70
MW-11	11/28/06			39.00			3,639.03
MW-11	12/12/06			39.06			3,638.97
MW-11	01/09/07			39.06			3,638.97
MW-11	02/08/07			38.91			3,639.12
MW-11	02/21/07			39.11			3,638.92
MW-11	02/27/07			44.87			3,633.16
MW-11	03/09/07			39.17			3,638.86
MW-11	03/13/07			39.13			3,638.90
MW-11	03/15/07			39.16			3,638.87
MW-11	03/23/07			39.01			3,639.02
MW-11	03/28/07			39.05			3,638.98
MW-11	04/12/07			39.34			3,638.69
MW-11	04/18/07			39.25			3,638.78
MW-11	05/22/07			39.24			3,638.79
MW-11	06/20/07			39.30			3,638.73
MW-11	07/18/07			39.42			3,638.61
MW-11	09/19/07			39.55			3,638.48

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-11	11/02/07			39.37			3,638.66
MW-11	11/16/07			39.46			3,638.57
MW-11	12/05/07			39.47			3,638.56
MW-11	01/30/08			39.51			3,638.52
MW-11	03/11/08			39.56			3,638.47
MW-11	04/29/08			39.63			3,638.40
MW-11	05/09/08			39.66			3,638.37
MW-11	06/11/08		40.01	40.49	0.48		3,637.97
MW-11	06/20/08		40.04	40.64	0.60		3,637.93
MW-12	01/23/04	3,679.63	39.49	45.30	5.81		3,639.56
MW-12	03/23/04		38.89	47.39	8.50		3,639.89
MW-12	03/29/04		38.86	47.33	8.47		3,639.92
MW-12	04/29/04		38.86	48.57	9.71		3,639.80
MW-12	05/03/04		38.83	46.63	7.80		3,640.02
MW-12	07/12/04		39.58	47.53	7.95		3,639.26
MW-12	12/09/04		37.50	44.28	6.78		3,641.45
MW-12	02/16/05		36.68	43.87	7.19		3,642.23
MW-12	03/31/05		36.95	42.97	6.02		3,642.08
MW-12	05/13/05		36.83	43.97	7.14		3,642.09
MW-12	05/26/05		36.95	43.71	6.76		3,642.00
MW-12	06/28/05		36.97	44.14	7.17		3,641.94
MW-12	08/15/05		37.25	43.60	6.35		3,641.75
MW-12	11/14/05		37.73	43.51	5.78		3,641.32
MW-12	01/23/06		38.08	44.34	6.26		3,640.92
MW-12	03/02/06		37.71	43.82	6.11		3,641.31
MW-12	06/01/06		38.87	44.25	5.38		3,640.22
MW-12	08/14/06		39.11	45.85	6.74		3,639.85
MW-12	11/28/06		38.64	44.91	6.27		3,640.36
MW-12	12/12/06		38.63	44.92	6.29		3,640.37
MW-12	01/09/07		38.41	44.87	6.46		3,640.57
MW-12	02/08/07		nd	42.02	na		3,636.01
MW-12	03/09/07		38.67	45.13	6.46		3,640.31
MW-12	03/13/07		38.64	45.14	6.50	7.00	3,640.34
MW-12	03/15/07		38.64	45.16	6.52	6.00	3,640.34

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-12	03/23/07		38.68	45.14	6.46		3,640.30
MW-12	03/28/07		38.68	45.19	6.51		3,640.30
MW-12	04/12/07		39.22	44.25	5.03		3,639.91
MW-12	04/18/07		39.96	44.68	4.72		3,639.20
MW-12	05/22/07		39.51	43.75	4.24		3,639.70
MW-12	06/20/07		39.42	43.40	3.98		3,639.81
MW-12	06/28/07		39.47	43.06	3.59		3,639.80
MW-12	07/18/07		39.65	42.80	3.15		3,639.67
MW-12	08/15/07		39.27	43.96	4.69		3,639.89
MW-12	08/22/07		39.50	42.90	3.40		3,639.79
MW-12	08/28/07		39.78	42.04	2.26		3,639.62
MW-12	09/19/07		39.39	43.31	3.92		3,639.85
MW-12	09/25/07		39.29	43.67	4.38		3,639.90
MW-12	10/09/07		39.14	44.79	5.65		3,639.93
MW-12	10/17/07		39.57	42.72	3.15		3,639.75
MW-12	10/26/07		39.21	41.22	2.01		3,640.22
MW-12	11/05/07		39.13	44.61	5.48		3,639.95
MW-12	11/12/07		39.33	44.70	5.37		3,639.76
MW-12	12/05/07		39.34	44.87	5.53		3,639.74
MW-12	01/03/08		39.37	44.14	4.77		3,639.78
MW-12	01/30/08		38.29	44.71	6.42		3,640.70
MW-12	02/04/08		38.35	44.81	6.46		3,640.63
MW-12	02/12/08		38.30	44.75	6.45		3,640.69
MW-12	03/11/08		39.29	45.08	5.79		3,639.76
MW-12	03/26/08		39.44	44.43	4.99		3,639.69
MW-12	04/02/08		39.46	44.87	5.41		3,639.63
MW-12	04/16/08		39.51	44.94	5.43		3,639.58
MW-12	04/29/08		39.76	44.26	4.50		3,639.42
MW-12	05/07/08		39.71	44.76	5.05		3,639.42
MW-12	06/11/08		39.86	45.02	5.16		3,639.25
MW-12	06/20/08		39.88	45.19	5.31		3,639.22

TALON LPE

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-13	01/23/04	3,681.42		39.67			3,641.75
MW-13	04/29/04			39.58			3,641.84
MW-13	05/12/04			41.05			3,640.37
MW-13	06/03/04			41.05			3,640.37
MW-13	07/12/04			42.18			3,639.24
MW-13	07/19/04			42.44			3,638.98
MW-13	11/08/04			40.24			3,641.18
MW-13	03/31/05			38.79			3,642.63
MW-13	05/13/05			38.83			3,642.59
MW-13	05/23/05			38.82			3,642.60
MW-13	05/26/05			38.87			3,642.55
MW-13	06/28/05			38.63			3,642.79
MW-13	08/15/05			39.07			3,642.35
MW-13	08/17/05			39.02			3,642.40
MW-13	11/14/05			39.15			3,642.27
MW-13	01/23/06			39.84			3,641.58
MW-13	03/02/06			39.28			3,642.14
MW-13	06/01/06			40.73			3,640.69
MW-13	08/14/06			41.22			3,640.20
MW-13	11/28/06			40.38			3,641.04
MW-13	12/12/06			40.37			3,641.05
MW-13	01/09/07			40.36			3,641.06
MW-13	02/08/07			42.02			3,639.40
MW-13	02/27/07			40.41			3,641.01
MW-13	03/09/07			40.42			3,641.00
MW-13	03/13/07			40.42			3,641.00
MW-13	03/15/07			40.44			3,640.98
MW-13	03/23/07			40.25			3,641.17
MW-13	03/28/07			40.35			3,641.07
MW-13	04/12/07			40.55			3,640.87
MW-13	04/18/07			40.48			3,640.94
MW-13	05/23/07			40.48			3,640.94
MW-13	06/20/07			40.60			3,640.82
MW-13	07/18/07			40.68			3,640.74
MW-13	09/19/07			39.55			3,641.87
MW-13	11/02/07			40.58			3,640.84

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-13	11/16/07			40.43			3,640.99
MW-13	12/05/07			40.75			3,640.67
MW-13	01/30/08			40.78			3,640.64
MW-13	03/11/08			36.14			3,645.28
MW-13	04/29/08			40.92			3,640.50
MW-13	05/09/08			40.94			3,640.48
MW-13	06/11/08			40.98			3,640.44
MW-13	06/20/08			41.08			3,640.34
MW-14	06/03/04	3,679.00	39.16	42.87	3.71		3,639.47
MW-14	07/12/04		39.29	46.46	7.17		3,638.99
MW-14	07/19/04		39.45	46.59	7.14		3,638.84
MW-14	08/26/04		38.92	45.94	7.02		3,639.38
MW-14	12/09/04		37.11	43.08	5.97		3,641.29
MW-14	02/16/05		36.62	42.53	5.91		3,641.79
MW-14	03/31/05		36.34	43.32	6.98		3,641.96
MW-14	05/13/05		36.45	43.34	6.89		3,641.86
MW-14	05/26/05		36.48	45.27	8.79		3,641.64
MW-14	06/28/05		36.54	44.83	8.29		3,641.63
MW-14	08/15/05		37.14	41.59	4.45		3,641.42
MW-14	11/14/05		37.55	41.70	4.15		3,641.04
MW-14	01/23/06		37.85	42.74	4.89		3,640.66
MW-14	03/02/06		37.58	41.71	4.13		3,641.01
MW-14	06/01/06		38.84	41.75	2.91		3,639.87
MW-14	08/14/06		0.00	39.00	39.00		3,675.10
MW-14	11/28/06		38.30	43.55	5.25		3,640.18
MW-14	12/12/06		38.24	44.02	5.78		3,640.18
MW-14	01/09/07		38.21	42.26	4.05		3,640.39
MW-14	02/08/07		38.18	44.27	6.09		3,640.21
MW-14	02/27/07		38.26	44.32	6.06	9.00	3,640.13
MW-14	03/09/07		38.27	44.41	6.14		3,640.12
MW-14	03/13/07		38.20	44.21	6.01		3,640.20
MW-14	03/15/07		38.22	44.20	5.98	6.00	3,640.18
MW-14	03/23/07		38.28	44.22	5.94		3,640.13
MW-14	03/28/07		38.25	44.27	6.02		3,640.15

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-14	04/12/07		39.41	40.64	1.23		3,639.47
MW-14	04/18/07		39.69	40.01	0.32		3,639.28
MW-14	05/23/07		39.71	40.02	0.31		3,639.26
MW-14	06/20/07		38.96	41.88	2.92		3,639.75
MW-14	06/28/07		39.05	41.85	2.80		3,639.67
MW-14	07/18/07		39.58	39.91	0.33		3,639.39
MW-14	08/15/07		39.63	39.87	0.24		3,639.35
MW-14	08/22/07		39.54	40.15	0.61		3,639.40
MW-14	08/28/07		39.39	41.62	2.23		3,639.39
MW-14	09/19/07		39.07	41.79	2.72		3,639.66
MW-14	09/25/07		39.34	40.94	1.60		3,639.50
MW-14	10/09/07		39.44	41.15	1.71		3,639.39
MW-14	10/17/07		39.61	39.80	0.19		3,639.37
MW-14	10/26/07		39.56	39.88	0.32		3,639.41
MW-14	11/05/07		39.08	42.21	3.13		3,639.61
MW-14	11/12/07		38.95	43.05	4.10		3,639.64
MW-14	12/05/07		38.99	43.75	4.76		3,639.53
MW-14	01/03/08		38.94	43.60	4.66		3,639.59
MW-14	01/30/08		39.03	43.88	4.85		3,639.49
MW-14	02/04/08		39.19	44.12	4.93		3,639.32
MW-14	02/12/08		39.06	43.91	4.85		3,639.46
MW-14	03/11/08		39.56	41.27	1.71		3,639.27
MW-14	03/26/08		39.94	40.14	0.20		3,639.04
MW-14	04/02/08		40.13	40.26	0.13		3,638.86
MW-14	04/16/08		39.94	40.25	0.31		3,639.03
MW-14	04/29/08		39.97	40.32	0.35		3,639.00
MW-14	05/07/08		39.39	43.18	3.79		3,639.23
MW-14	06/11/08		40.23	40.49	0.26		3,638.74
MW-14	06/20/08		40.29	40.52	0.23		3,638.69

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-15	06/03/04	3,674.92		36.22			3,638.70
MW-15	07/12/04			36.77			3,638.15
MW-15	07/19/04			36.90			3,638.02
MW-15	11/08/04			35.10			3,639.82
MW-15	03/31/05			33.92			3,641.00
MW-15	05/13/05			34.00			3,640.92
MW-15	05/23/05			35.34			3,639.58
MW-15	05/26/05			35.38			3,639.54
MW-15	06/28/05			35.46			3,639.46
MW-15	08/15/05			34.32			3,640.60
MW-15	08/17/05			34.29			3,640.63
MW-15	11/14/05			34.47			3,640.45
MW-15	01/23/06			35.17			3,639.75
MW-15	03/02/06			34.60			3,640.32
MW-15	06/01/06			37.18			3,637.74
MW-15	08/10/06			35.62			3,639.30
MW-15	11/28/06			35.63			3,639.29
MW-15	12/12/06			36.92			3,638.00
MW-15	01/09/07			36.93			3,637.99
MW-15	02/27/07		35.16	35.67	0.51	10.00	3,639.71
MW-15	03/09/07		35.16	35.92	0.76		3,639.68
MW-15	03/13/07		35.65	36.01	0.36		3,639.23
MW-15	03/15/07		35.64	36.20	0.56		3,639.22
MW-15	03/23/07		35.68	36.14	0.46		3,639.19
MW-15	03/28/07		35.70	36.21	0.51		3,639.17
MW-15	04/12/07		35.75	36.51	0.76		3,639.09
MW-15	04/18/07		35.70	36.46	0.76		3,639.14
MW-15	05/22/07		35.70	37.04	1.34		3,639.09
MW-15	06/20/07		35.90	37.52	1.62		3,638.86
MW-15	07/18/07		35.60	38.10	2.50		3,639.07
MW-15	08/15/07		35.47	38.56	3.09		3,639.14
MW-15	08/22/07		35.48	38.58	3.10		3,639.13
MW-15	08/28/07		35.59	38.15	2.56		3,639.07
MW-15	09/19/07		35.78	36.98	1.20		3,639.02
MW-15	09/25/07		36.43	37.27	0.84		3,638.41
MW-15	10/09/07		35.61	37.99	2.38		3,639.07

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-15	10/17/07		35.49	38.36	2.87		3,639.14
MW-15	10/26/07		35.47	38.71	3.24		3,639.13
MW-15	11/05/07		35.46	39.89	4.43		3,639.02
MW-15	11/12/07		35.37	39.18	3.81		3,639.17
MW-15	12/05/07		35.31	39.75	4.44		3,639.17
MW-15	01/03/08		35.31	40.26	4.95		3,639.12
MW-15	01/30/08		35.27	40.47	5.20		3,639.13
MW-15	02/04/08		35.33	40.60	5.27		3,639.06
MW-15	02/12/08		35.28	40.48	5.20		3,639.12
MW-15	03/11/08		35.35	40.65	5.30		3,639.04
MW-15	03/26/08		35.40	40.71	5.31		3,638.99
MW-15	04/02/08		35.44	40.74	5.30		3,638.95
MW-15	04/16/08		36.34	36.61	0.27		3,638.55
MW-15	04/29/08		36.43	36.64	0.21		3,638.47
MW-15	05/07/08		36.07	39.29	3.22		3,638.53
MW-15	06/11/08		36.64	36.89	0.25		3,638.26
MW-15	06/20/08		36.69	36.91	0.22		3,638.21
MW-16	06/03/04	3,676.86		37.66			3,639.20
MW-16	07/12/04			38.35			3,638.51
MW-16	07/19/04			38.57			3,638.29
MW-16	11/08/04			36.38			3,640.48
MW-16	03/31/05			35.29			3,641.57
MW-16	05/13/05			35.31			3,641.55
MW-16	05/23/05			35.18			3,641.68
MW-16	05/26/05			34.04			3,642.82
MW-16	06/28/05			34.11			3,642.75
MW-16	08/15/05			35.61			3,641.25
MW-16	08/17/05			35.56			3,641.30
MW-16	11/14/05			35.73			3,641.13
MW-16	01/23/06			36.45			3,640.41
MW-16	03/02/06			35.85			3,641.01
MW-16	06/01/06			35.82			3,641.04
MW-16	08/14/06			37.50			3,639.36
MW-16	11/28/06			37.94			3,638.92

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-16	12/12/06			35.65			3,641.21
MW-16	01/09/07			35.67			3,641.19
MW-16	03/09/07			36.00			3,640.86
MW-16	03/13/07			36.98			3,639.88
MW-16	03/15/07			36.96			3,639.90
MW-16	03/23/07			36.84			3,640.02
MW-16	03/28/07			36.96			3,639.90
MW-16	04/12/07			37.14			3,639.72
MW-16	04/18/07			37.03			3,639.83
MW-16	05/23/07			37.08			3,639.78
MW-16	06/20/07			37.16			3,639.70
MW-16	07/18/07			37.28			3,639.58
MW-16	09/19/07			37.27			3,639.59
MW-16	11/02/07			37.30			3,639.56
MW-16	11/16/07			37.32			3,639.54
MW-16	12/05/07			37.36			3,639.50
MW-16	01/30/08			37.38			3,639.48
MW-16	03/11/08			37.46			3,639.40
MW-16	04/29/08			37.51			3,639.35
MW-16	05/09/08			37.54			3,639.32
MW-16	06/11/08			37.56			3,639.30
MW-16	06/20/08			37.64			3,639.22
MW-17	06/03/04	3,679.01	39.66	42.05	2.39		3,639.11
MW-17	07/12/04		39.39	46.94	7.55		3,638.87
MW-17	07/19/04		39.50	46.97	7.47		3,638.76
MW-17	08/26/04		39.04	46.59	7.55		3,639.22
MW-17	12/09/04		37.11	44.60	7.49		3,641.15
MW-17	02/16/05		37.00	41.07	4.07		3,641.60
MW-17	03/31/05		36.49	44.13	7.64		3,641.76
MW-17	05/13/05		36.52	44.24	7.72		3,641.72
MW-17	05/26/05		36.72	44.28	7.56		3,641.53
MW-17	06/28/05		36.95	44.76	7.81		3,641.28
MW-17	08/15/05		37.25	42.35	5.10		3,641.25
MW-17	11/14/05		37.69	42.33	4.64		3,640.86

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-17	01/23/06		38.15	43.41	5.26		3,640.33
MW-17	03/02/06		37.59	43.25	5.66		3,640.85
MW-17	06/01/06		38.95	42.48	3.53		3,639.71
MW-17	08/14/06		39.10	44.41	5.31		3,639.38
MW-17	11/28/06		38.49	44.04	5.55		3,639.97
MW-17	12/12/06		38.42	44.33	5.91		3,640.00
MW-17	01/09/07		38.42	43.07	4.65		3,640.13
MW-17	02/08/07		38.38	44.95	6.57		3,639.97
MW-17	02/27/07		38.51	45.22	6.71	11.00	3,639.83
MW-17	03/09/07		38.41	45.11	6.70		3,639.93
MW-17	03/13/07		38.39	45.02	6.63		3,639.96
MW-17	03/15/07		38.41	45.01	6.60	6.00	3,639.94
MW-17	03/23/07		38.43	45.11	6.68		3,639.91
MW-17	03/28/07		38.43	45.26	6.83		3,639.90
MW-17	04/12/07		39.06	43.82	4.76		3,639.47
MW-17	04/18/07		39.13	44.32	5.19		3,639.36
MW-17	05/23/07		39.41	43.65	4.24		3,639.18
MW-17	06/20/07		39.52	41.72	2.20		3,639.27
MW-17	06/28/07		39.79	40.75	0.96		3,639.12
MW-17	07/18/07		39.82	40.81	0.99		3,639.09
MW-17	08/15/07		39.92	40.18	0.26		3,639.06
MW-17	08/22/07		39.87	40.17	0.30		3,639.11
MW-17	08/28/07		39.90	40.39	0.49		3,639.06
MW-17	09/25/07		39.78	40.17	0.39		3,639.19
MW-17	10/09/07		39.92	40.38	0.46		3,639.04
MW-17	10/17/07		39.83	40.17	0.34		3,639.15
MW-17	10/26/07		39.91	40.03	0.12		3,639.09
MW-17	11/05/07		39.17	43.19	4.02		3,639.44
MW-17	11/12/07		39.89	40.04	0.15		3,639.11
MW-17	12/05/07		39.75	41.97	2.22		3,639.04
MW-17	01/03/08		39.50	42.39	2.89		3,639.22
MW-17	01/30/08		39.10	44.36	5.26		3,639.38
MW-17	02/04/08		39.21	44.44	5.23		3,639.28
MW-17	02/12/08		39.14	44.38	5.24		3,639.35
MW-17	03/11/08		39.66	42.27	2.61		3,639.09
MW-17	03/26/08		40.22	40.39	0.17		3,638.77

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-17	04/16/08		40.19	40.60	0.41		3,638.78
MW-17	04/29/08		40.21	40.74	0.51		3,638.73
MW-17	05/07/08		39.49	43.18	3.69		3,639.15
MW-17	06/11/08		40.48	40.90	0.42		3,638.49
MW-17	06/20/08		40.54	40.88	0.34		3,638.44
MW-18	11/28/06			35.64			
MW-18	12/12/06			35.65			
MW-18	01/09/07			35.62			
MW-18	02/08/07			35.50			
MW-18	03/09/07			35.70			
MW-18	03/13/07			35.71			
MW-18	03/15/07			35.70			
MW-18	03/23/07			35.57			
MW-18	03/28/07			36.65			
MW-18	04/12/07			35.83			
MW-18	04/18/07			35.84			
MW-18	05/22/07			35.86			
MW-18	06/20/07			35.86			
MW-18	07/18/07			35.98			
MW-18	09/19/07	3,679.01		35.94			3,643.07
MW-18	11/02/07			35.97			3,643.04
MW-18	12/05/07			36.04			3,642.97
MW-18	01/30/08			36.08			3,642.93
MW-18	03/11/08			36.14			3,642.87
MW-18	04/29/08			38.22			3,640.79
MW-18	05/09/08			36.22			3,642.79
MW-18	06/11/08			36.27			3,642.74
MW-18	06/20/08			36.37			3,642.64

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-19	11/28/06			35.55			
MW-19	12/12/06			35.55			
MW-19	01/09/07			35.57			
MW-19	02/08/07			35.43			
MW-19	03/09/07			35.65			
MW-19	03/13/07			35.65			
MW-19	03/15/07			35.66			
MW-19	03/23/07			35.48			
MW-19	03/28/07			35.54			
MW-19	04/12/07			35.77			
MW-19	04/18/07			35.72			
MW-19	05/23/07			35.71			
MW-19	06/20/07			35.81			
MW-19	07/18/07			35.90			
MW-19	09/19/07	3,674.96		35.87			3,639.09
MW-19	11/02/07			35.90			3,639.06
MW-19	11/16/07			35.96			3,639.00
MW-19	12/05/07			36.56			3,638.40
MW-19	01/30/08			36.59			3,638.37
MW-19	03/11/08			36.06			3,638.90
MW-19	04/29/08			38.14			3,636.82
MW-19	05/09/08			36.15			3,638.81
MW-19	06/11/08			36.20			3,638.76
MW-19	06/20/08			36.28			3,638.68
MW-20	11/28/06			35.61			
MW-20	12/12/06			35.63			
MW-20	01/09/07			35.67			
MW-20	02/08/07			35.53			
MW-20	03/09/07			35.75			
MW-20	03/13/07			35.73			
MW-20	03/15/07			35.70			
MW-20	03/23/07			35.60			
MW-20	03/28/07			35.67			
MW-20	04/12/07			35.87			

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-20	04/18/07			35.81			
MW-20	05/23/07			35.80			
MW-20	06/20/07			35.90			
MW-20	07/18/07			36.01			
MW-20	09/19/07	3,674.38		35.99			3,638.39
MW-20	11/02/07			36.01			3,638.37
MW-20	12/05/07			35.97			3,638.41
MW-20	01/30/08			36.01			3,638.37
MW-20	03/11/08			36.14			3,638.24
MW-20	03/11/08			36.14			3,638.24
MW-20	04/29/08			36.23			3,638.15
MW-20	05/09/08			36.22			3,638.16
MW-20	06/11/08			36.28			3,638.10
MW-20	06/20/08			36.35			3,638.03
MW-21	12/05/07	3,674.38		36.34			3,638.04
MW-21	01/30/08			36.41			3,637.97
MW-21	03/11/08			36.48			3,637.90
MW-21	05/09/08			36.54			3,637.84
MW-21	06/11/08			36.59			3,637.79
MW-21	06/20/08			36.67			3,637.71
MW-22	12/05/07	3,674.07		36.08			3,637.99
MW-22	01/30/08			36.19			3,637.88
MW-22	03/11/08			36.26			3,637.81
MW-22	04/29/08			36.31			3,637.76
MW-22	05/09/08			36.31			3,637.76
MW-22	06/11/08			36.70			3,637.37
MW-22	06/20/08			36.45			3,637.62

TABLE 1
GROUNDWATER ELEVATIONS AND
PHASE SEPARATED HYDROCARBON (PSH) THICKNESS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	PSH Recovered (gallons)	Corrected Groundwater Elevation* (feet-amsl)
MW-23	03/17/08	WELL INSTALLATION					
MW-23	03/25/08						
MW-23	03/29/08			36.08			
MW-23	04/29/08			36.15			
MW-23	05/09/08	3,672.39		36.15			3,636.24
MW-23	06/11/08			36.20			3,636.19
MW-23	06/20/08			36.31			3,636.08
MW-24	03/17/08	WELL INSTALLATION					
MW-24	03/25/08			36.04			
MW-24	03/29/08			36.04			
MW-24	04/29/08			36.04			
MW-24	05/09/08	3,672.79		36.03			3,636.76
MW-24	06/11/08			36.08			3,636.71
MW-24	06/20/08			36.16			3,636.63

Total manual recovery 159.50
Approximate system recovery 76.60 bbls

PSH - Phase Separated Hydrocarbons na - not applicable
amsl - above mean sea level
btoc - below top of casing
*Corrected Groundwater Elevation = Top of Casing Elevation - [Depth to Water Below Top of Casing - (SG)(PSH Thickness)].

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene	Total BTEX
MW-1	03/11/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-2	03/11/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-3	03/11/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-4	03/11/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-5	03/11/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-6	03/11/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
	06/20/08	Not sampled Due to Presence of Phase Separated Hydrocarbons				
MW-7	03/11/08	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/08	Not scheduled to sample 2nd quarter				
MW-8	03/11/08	0.0054	<0.001	<0.001	<0.001	0.0054
	06/20/08	Not scheduled to sample 2nd quarter				
MW-9	03/11/08	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/08	Not scheduled to sample 2nd quarter				
MW-10	03/11/08	**1.69**	<0.005	0.105	0.0122	1.810
	06/20/08	**3.250**	<0.200	0.272	<0.200	3.522

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene	Total BTEX
MW-11	03/11/08	**24.7**	**1.19**	**1.66**	**1.330**	28.9
	06/20/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-12	03/11/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
	06/20/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-13	03/11/08	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/08	**Not scheduled to sample 2nd quarter**				
MW-14	03/11/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
	06/20/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-15	03/11/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
	06/20/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-16	03/11/08	**0.0124**	<0.001	<0.001	<0.001	0.0124
	06/20/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-17	03/11/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
	06/20/08	**Not sampled Due to Presence of Phase Separated Hydrocarbons**				
MW-18	03/11/08	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/08	0.0029	<0.00100	<0.00100	<0.00100	0.0029
MW-19	03/11/08	<0.005	<0.005	<0.005	<0.005	<0.005
	06/20/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-20	03/11/08	**38.9**	<0.2	**2.170**	**1.240**	**42.30**
	06/20/08	**30.7**	<0.200	**1.61**	0.278	32.59

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene	Total BTEX
MW-21	03/11/08	<0.005	<0.005	<0.005	<0.005	<0.005
	06/20/08	**0.0511**	<0.00100	<0.00100	<0.00100	0.0511
MW-22	03/11/08	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/08	0.00450	<0.00100	<0.00100	<0.00100	<0.00100
MW-23	03/25/08	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-24	03/25/08	<0.001	<0.001	<0.001	<0.001	<0.001
	06/20/08	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
NMWQCC Remedial Limits		0.010	0.750	0.750	0.620	

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

TALON LPE

Table 3
Summary of General Chemistry and Metals in Groundwater Analytical Results
Plains Pipeline, L.P.
Hobbs Junction Mainline
NMOCD REF. # AP-054
Lea County, New Mexico - SRS# 2003-00017
Talon/LPE Project Number PLAINS047SPL
Units in mg/L

Parameter	Sample Date	MW-23	MW-24	NMWQCC MCL
Total Aluminum	06/20/08	**5.49**	4.19	5.0
Hydroxide Alkalinity	06/20/08	<1.00	<1.00	
Carbonate Alkalinity	06/20/08	<1.00	<1.00	
Bicarbonate Alkalinity	06/20/08	198	238	
Total Alkalinity	06/20/08	198	238	
Total Boran	06/20/08	0.229	0.365	0.75
Dissolved Calcium	06/20/08	107	55.7	
Dissolved Potassium	06/20/08	5.01	3.89	
Dissolved Magnesium	06/20/08	19.1	10.7	
Dissolved Sodium	06/20/08	61.3	134	
Total Cobalt	06/20/08	<0.00200	<0.00200	0.05
Total Copper	06/20/08	<0.00500	<0.00500	1.0
Total Iron	06/20/08	**3.35**	**2.39**	1.0
Chloride	06/20/08	31.0	83.7	250
Flouride	06/20/08	**2.72**	**2.71**	1.6
PO4 - P	06/20/08	15.9	<2.50	
Sulfate	06/20/08	28.3	156	600
Total Manganese	06/20/08	0.0430	0.0280	0.2
Total Molybdenum	06/20/08	<0.0100	<0.0100	1.0
Total Nickel	06/20/08	0.00600	<0.00500	0.2
Total Silver	06/20/08	<0.00500	<0.00500	0.05
Total Arsenic	06/20/08	<0.00500	<0.00500	0.1
Total Barium	06/20/08	0.167	0.0760	1.0
Total Cadmium	06/20/08	<0.00100	<0.00100	0.1
Total Chromium	06/20/08	0.0100	<0.00100	0.05
Total Mercury	06/20/08	<0.000200	<0.000200	0.002
Total Lead	06/20/08	<0.00500	<0.00500	0.05
Total Selenium	06/20/08	<0.0100	<0.0100	0.05
Total Zinc	06/20/08	0.0710	0.0200	10.0
Nitrate - N	06/20/08	3.70	5.27	10.0

[1] ***Bolded*** *values are in excess of the NMWQCC Ground Water Standards*

APPENDIX C

Laboratory Analytical Data Sheets 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

NELAP Certifications

Lubbock T104704219-08-TX El Paso T104704221-08-TX Midland T104704392-08-TX

Analytical and Quality Control Report

Shanna Smith
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: July 8, 2008

Work Order: 8062306

Project Location: Hobbs, NM
Project Name: Hobbs Junction Mainline
Project Number: PLAINS047SPL
SRS#: 2003-00017

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
164322	MW-10	water	2008-06-20	12:48	2008-06-20
164323	MW-16	water	2008-06-20	13:15	2008-06-20
164324	MW-18	water	2008-06-20	13:20	2008-06-20
164325	MW-19	water	2008-06-20	13:10	2008-06-20
164326	MW-20	water	2008-06-20	13:03	2008-06-20
164327	MW-21	water	2008-06-20	13:06	2008-06-20
164328	MW-22	water	2008-06-20	13:00	2008-06-20
164329	MW-23	water	2008-06-20	13:33	2008-06-20
164330	MW-24	water	2008-06-20	13:41	2008-06-20
164642	MW-23	water	2008-06-25	10:39	2008-06-20
164643	MW-24	water	2008-06-25	10:25	2008-06-20

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.

This report consists of a total of 42 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

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 Hobbs Junction Mainline were received by TraceAnalysis, Inc. on 2008-06-20 and assigned to work order 8062306. Samples for work order 8062306 were received intact without headspace and at a temperature of 3.7 deg C.

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

Test	Method
Ag, Total	S 6010B
Alkalinity	SM 2320B
Al, Total	S 6010B
As, Total	S 6010B
Ba, Total	S 6010B
BTEX	S 8021B
B, Total	S 6010B
Ca, Dissolved	S 6010B
Cd, Total	S 6010B
Chloride (IC)	E 300.0
Co, Total	S 6010B
Cr, Total	S 6010B
Cu, Total	S 6010B
Fe, Total	S 6010B
Fluoride (IC)	E 300.0
Hg, Total	S 7470A
K, Dissolved	S 6010B
Mg, Dissolved	S 6010B
Mn, Total	S 6010B
Mo, Total	S 6010B
Na, Dissolved	S 6010B
Ni, Total	S 6010B
NO3 (IC)	E 300.0
Pb, Total	S 6010B
PO4 (IC)	E 300.0
Se, Total	S 6010B
SO4 (IC)	E 300.0
Zn, Total	S 6010B

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 8062306 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: 164322 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49786	Date Analyzed:	2008-06-26	Analyzed By:	DC
Prep Batch:	42696	Sample Preparation:	2008-06-25	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**3.25**	mg/L	200	0.00100
Toluene		<0.200	mg/L	200	0.00100
Ethylbenzene		**0.272**	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)		20.4	mg/L	200	20.0	102	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		20.0	mg/L	200	20.0	100	52 - 124.1

Sample: 164323 - MW-16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49786	Date Analyzed:	2008-06-26	Analyzed By:	DC
Prep Batch:	42696	Sample Preparation:	2008-06-25	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)		0.0984	mg/L	1	0.100	98	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0974	mg/L	1	0.100	97	52 - 124.1

Sample: 164324 - MW-18

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49700	Date Analyzed:	2008-06-24	Analyzed By:	DC
Prep Batch:	42680	Sample Preparation:	2008-06-24	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00290**	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)		0.0964	mg/L	1	0.100	96	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0960	mg/L	1	0.100	96	52 - 124.1

Sample: 164325 - MW-19

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49700	Date Analyzed:	2008-06-24	Analyzed By:	DC
Prep Batch:	42680	Sample Preparation:	2008-06-24	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)		0.0938	mg/L	1	0.100	94	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0934	mg/L	1	0.100	93	52 - 124.1

Sample: 164326 - MW-20

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49786	Date Analyzed:	2008-06-26	Analyzed By:	DC
Prep Batch:	42696	Sample Preparation:	2008-06-25	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**30.7**	mg/L	200	0.00100
Toluene		<0.200	mg/L	200	0.00100
Ethylbenzene		**1.61**	mg/L	200	0.00100
Xylene		**0.278**	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		19.8	mg/L	200	20.0	99	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		19.4	mg/L	200	20.0	97	52 - 124.1

Sample: 164327 - MW-21

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49700	Date Analyzed:	2008-06-24	Analyzed By:	DC
Prep Batch:	42680	Sample Preparation:	2008-06-24	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0511**	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)		0.0969	mg/L	1	0.100	97	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.113	mg/L	1	0.100	113	52 - 124.1

Sample: 164328 - MW-22

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49700	Date Analyzed:	2008-06-24	Analyzed By:	DC
Prep Batch:	42680	Sample Preparation:	2008-06-24	Prepared By:	DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00450**	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)		0.0913	mg/L	1	0.100	91	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0923	mg/L	1	0.100	92	52 - 124.1

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Al, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Aluminum		**5.49**	mg/L	1	0.0500

Sample: 164329 - MW-23

Laboratory:	Midland				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	49670	Date Analyzed:	2008-06-23	Analyzed By:	AR
Prep Batch:	42658	Sample Preparation:	2008-06-23	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**198**	mg/L as CaCo3	1	4.00
Total Alkalinity		**198**	mg/L as CaCo3	1	4.00

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	B, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Boron		**0.229**	mg/L	1	0.00500

Sample: 164329 - MW-23

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49700	Date Analyzed:	2008-06-24	Analyzed By:	DC
Prep Batch:	42680	Sample Preparation:	2008-06-24	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)		0.0975	mg/L	1	0.100	98	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0969	mg/L	1	0.100	97	52 - 124.1

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	49789	Date Analyzed:	2008-06-26	Analyzed By:	TP
Prep Batch:	42734	Sample Preparation:	2008-06-26	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**107**	mg/L	1	1.00
Dissolved Potassium	*B*	**5.01**	mg/L	1	1.00
Dissolved Magnesium		**19.1**	mg/L	1	1.00
Dissolved Sodium		**61.3**	mg/L	1	1.00

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cobalt		<0.00200	mg/L	1	0.00200

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Fe, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Iron		**3.35**	mg/L	1	0.0100

Sample: 164329 - MW-23

Laboratory:	Midland				
Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	49668	Date Analyzed:	2008-07-08	Analyzed By:	AR
Prep Batch:	42656	Sample Preparation:	2008-07-08	Prepared By:	AR
QC Batch:	49865	Date Analyzed:	2008-06-30	Analyzed By:	AR
Prep Batch:	42806	Sample Preparation:	2008-06-27	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**87.6**	mg/L	5	0.500
Fluoride		**2.72**	mg/L	5	0.200
PO4-P		<2.50	mg/L	5	0.500
Sulfate		**158**	mg/L	5	0.500

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Mn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Manganese		**0.0430**	mg/L	1	0.00250

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Mo, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Molybdenum		<0.0100	mg/L	1	0.0100

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		**0.00600**	mg/L	1	0.00500

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	49781	Date Analyzed:	2008-06-26	Analyzed By:	TP
Prep Batch:	42727	Sample Preparation:	2008-06-26	Prepared By:	TP

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00500	mg/L	1	0.00500
Total Arsenic		<0.00500	mg/L	1	0.00500
Total Barium		**0.167**	mg/L	1	0.00100
Total Cadmium		<0.00100	mg/L	1	0.00100
Total Chromium		**0.0110**	mg/L	1	0.00100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.00500	mg/L	1	0.00500
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 164329 - MW-23

Laboratory:	Lubbock				
Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		**0.0710**	mg/L	1	0.00700

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Al, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Aluminum		**4.19**	mg/L	1	0.0500

Sample: 164330 - MW-24

Laboratory:	Midland				
Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	49670	Date Analyzed:	2008-06-23	Analyzed By:	AR
Prep Batch:	42658	Sample Preparation:	2008-06-23	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**238**	mg/L as CaCo3	1	4.00
Total Alkalinity		**238**	mg/L as CaCo3	1	4.00

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	B, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Boron		**0.365**	mg/L	1	0.00500

Sample: 164330 - MW-24

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	49700	Date Analyzed:	2008-06-24	Analyzed By:	DC
Prep Batch:	42680	Sample Preparation:	2008-06-24	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)		0.0941	mg/L	1	0.100	94	65.1 - 116.8
4-Bromofluorobenzene (4-BFB)		0.0940	mg/L	1	0.100	94	52 - 124.1

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	49789	Date Analyzed:	2008-06-26	Analyzed By:	TP
Prep Batch:	42734	Sample Preparation:	2008-06-26	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**55.7**	mg/L	1	1.00
Dissolved Potassium	*B*	**3.89**	mg/L	1	1.00
Dissolved Magnesium		**10.7**	mg/L	1	1.00
Dissolved Sodium		**134**	mg/L	10	1.00

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Co, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Cobalt		<0.00200	mg/L	1	0.00200

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Fe, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	RL Result	Units	Dilution	RL
Total Iron		**2.39**	mg/L	1	0.0100

Sample: 164330 - MW-24

Laboratory:	Midland				
Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	49668	Date Analyzed:	2008-07-08	Analyzed By:	AR
Prep Batch:	42656	Sample Preparation:	2008-07-08	Prepared By:	AR
QC Batch:	49865	Date Analyzed:	2008-06-30	Analyzed By:	AR
Prep Batch:	42806	Sample Preparation:	2008-06-27	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**58.7**	mg/L	5	0.500
Fluoride		**2.71**	mg/L	5	0.200
PO4-P		<2.50	mg/L	5	0.500
Sulfate		**154**	mg/L	5	0.500

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Mn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Manganese		**0.0280**	mg/L	1	0.00250

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Mo, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Molybdenum		<0.0100	mg/L	1	0.0100

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Ni, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	Result	RL Units	Dilution	RL
Total Nickel		<0.00500	mg/L	1	0.00500

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV
Laboratory:	Lubbock				
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	49781	Date Analyzed:	2008-06-26	Analyzed By:	TP
Prep Batch:	42727	Sample Preparation:	2008-06-26	Prepared By:	TP

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Silver		<0.00500		mg/L	1	0.00500
Total Arsenic		<0.00500		mg/L	1	0.00500
Total Barium		**0.0760**		mg/L	1	0.00100
Total Cadmium		<0.00100		mg/L	1	0.00100
Total Chromium		<0.00100		mg/L	1	0.00100
Total Mercury		<0.000200		mg/L	1	0.000200
Total Lead		<0.00500		mg/L	1	0.00500
Total Selenium		<0.0100		mg/L	1	0.0100

Sample: 164330 - MW-24

Laboratory:	Lubbock				
Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	49710	Date Analyzed:	2008-06-25	Analyzed By:	RR
Prep Batch:	42662	Sample Preparation:	2008-06-25	Prepared By:	KV

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Zinc		**0.0200**		mg/L	1	0.00700

Sample: 164642 - MW-23

Laboratory:	Midland				
Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	49741	Date Analyzed:	2008-06-25	Analyzed By:	AR
Prep Batch:	42707	Sample Preparation:	2008-06-25	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**3.70**		mg/L	5	0.200

Sample: 164643 - MW-24

Laboratory:	Midland				
Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	49741	Date Analyzed:	2008-06-25	Analyzed By:	AR
Prep Batch:	42707	Sample Preparation:	2008-06-25	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**5.27**		mg/L	5	0.200

Method Blank (1) QC Batch: 49668

QC Batch:	49668	Date Analyzed:	2008-07-08	Analyzed By:	AR
Prep Batch:	42656	QC Preparation:	2008-07-08	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0181	mg/L	0.5
PO4-P		<0.0618	mg/L	0.5
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 49670

QC Batch:	49670	Date Analyzed:	2008-06-23	Analyzed By:	AR
Prep Batch:	42658	QC Preparation:	2008-06-23	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<4.00	mg/L as CaCo3	4

Method Blank (1) QC Batch: 49700

QC Batch:	49700	Date Analyzed:	2008-06-24	Analyzed By:	DC
Prep Batch:	42680	QC Preparation:	2008-06-24	Prepared By:	DC

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)		0.0993	mg/L	1	0.100	99	44.6 - 137.4
4-Bromofluorobenzene (4-BFB)		0.0984	mg/L	1	0.100	98	37.1 - 130.9

Method Blank (1) QC Batch: 49710

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Aluminum		<0.0228	mg/L	0.05

Method Blank (1) QC Batch: 49710

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Boron		<0.00440	mg/L	0.005

Method Blank (1) QC Batch: 49710

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Cobalt		<0.00220	mg/L	0.002

Method Blank (1) QC Batch: 49710

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00140	mg/L	0.005

Method Blank (1) QC Batch: 49710

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Iron		<0.00690	mg/L	0.01

Method Blank (1) QC Batch: 49710

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR
Prep Batch: 42662 QC Preparation: 2008-06-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Manganese		<0.000600	mg/L	0.0025

Method Blank (1) QC Batch: 49710

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR
Prep Batch: 42662 QC Preparation: 2008-06-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Molybdenum		<0.00790	mg/L	0.01

Method Blank (1) QC Batch: 49710

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR
Prep Batch: 42662 QC Preparation: 2008-06-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Nickel		<0.00190	mg/L	0.005

Method Blank (1) QC Batch: 49710

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR
Prep Batch: 42662 QC Preparation: 2008-06-24 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.00710	mg/L	0.007

Method Blank (1) QC Batch: 49710

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.00210	mg/L	0.005
Total Arsenic		<0.00430	mg/L	0.005
Total Barium		<0.00170	mg/L	0.001
Total Cadmium		<0.00140	mg/L	0.001
Total Chromium		<0.000900	mg/L	0.001
Total Lead		<0.00320	mg/L	0.005
Total Selenium		<0.0131	mg/L	0.01

Method Blank (1) QC Batch: 49741

QC Batch: 49741 | Date Analyzed: 2008-06-25 | Analyzed By: AR
Prep Batch: 42707 | QC Preparation: 2008-06-25 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0106	mg/L	0.2

Method Blank (1) QC Batch: 49781

QC Batch: 49781 | Date Analyzed: 2008-06-26 | Analyzed By: TP
Prep Batch: 42727 | QC Preparation: 2008-06-26 | Prepared By: TP

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000251	mg/L	0.0002

Method Blank (1) QC Batch: 49786

QC Batch: 49786 | Date Analyzed: 2008-06-26 | Analyzed By: DC
Prep Batch: 42696 | QC Preparation: 2008-06-25 | Prepared By: DC

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

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Parameter	Flag	MDL Result	Units	RL
Xylene		<0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0891	mg/L	1	0.100	89	44.6 - 137.4
4-Bromofluorobenzene (4-BFB)		0.0886	mg/L	1	0.100	89	37.1 - 130.9

Method Blank (1) QC Batch: 49789

QC Batch: 49789 Date Analyzed: 2008-06-26 Analyzed By: TP
Prep Batch: 42734 QC Preparation: 2008-06-26 Prepared By: KV

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.175	mg/L	1
Dissolved Potassium		1.18	mg/L	1
Dissolved Magnesium		0.195	mg/L	1
Dissolved Sodium		0.385	mg/L	1

Method Blank (1) QC Batch: 49865

QC Batch: 49865 Date Analyzed: 2008-06-30 Analyzed By: AR
Prep Batch: 42806 QC Preparation: 2008-06-27 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0119	mg/L	0.2

Duplicates (1)

QC Batch: 49670 Date Analyzed: 2008-06-23 Analyzed By: AR
Prep Batch: 42658 QC Preparation: 2008-06-23 Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	46.0	<1.00	mg/L as CaCo3	1	200	20
Bicarbonate Alkalinity	170	238	mg/L as CaCo3	1	33	20
Total Alkalinity	216	238	mg/L as CaCo3	1	10	20

Laboratory Control Spike (LCS-1)

QC Batch: 49668 | Date Analyzed: 2008-07-08 | Analyzed By: AR
Prep Batch: 42656 | QC Preparation: 2008-07-08 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.1	mg/L	1	12.5	<0.0181	97	90 - 110
PO4-P	11.8	mg/L	1	12.5	<0.0618	94	90 - 110
Sulfate	12.0	mg/L	1	12.5	<0.0485	96	90 - 110

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
Chloride	12.1	mg/L	1	12.5	<0.0181	97	90 - 110	0	
PO4-P	11.9	mg/L	1	12.5	<0.0618	95	90 - 110	1	
Sulfate	11.9	mg/L	1	12.5	<0.0485	95	90 - 110	1	

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

Laboratory Control Spike (LCS-1)

QC Batch: 49700 | Date Analyzed: 2008-06-24 | Analyzed By: DC
Prep Batch: 42680 | QC Preparation: 2008-06-24 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.102	mg/L	1	0.100	<0.000200	102	71.7 - 120.5
Toluene	0.0995	mg/L	1	0.100	<0.000200	100	75.4 - 118.8
Ethylbenzene	0.0948	mg/L	1	0.100	<0.000200	95	73.5 - 118
Xylene	0.285	mg/L	1	0.300	<0.000300	95	72.9 - 118.2

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	<0.000200	101	71.7 - 120.5	1	20
Toluene	0.101	mg/L	1	0.100	<0.000200	101	75.4 - 118.8	2	20
Ethylbenzene	0.101	mg/L	1	0.100	<0.000200	101	73.5 - 118	6	20
Xylene	0.302	mg/L	1	0.300	<0.000300	101	72.9 - 118.2	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)	0.0986	0.101	mg/L	1	0.100	99	101	38.2 - 131.6
4-Bromofluorobenzene (4-BFB)	0.0986	0.101	mg/L	1	0.100	99	101	43.9 - 132.4

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Aluminum	0.878	mg/L	1	1.00	<0.0228	88	85 - 106

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
Total Aluminum	0.871	mg/L	1	1.00	<0.0228	87	85 - 106	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Boron	0.0510	mg/L	1	0.0500	<0.00440	102	85 - 115

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
Total Boron	0.0510	mg/L	1	0.0500	<0.00440	102	85 - 115	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.235	mg/L	1	0.250	<0.00220	94	88.6 - 115

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
Total Cobalt	0.234	mg/L	1	0.250	<0.00220	94	88.6 - 115	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.116	mg/L	1	0.125	<0.00140	93	85.6 - 113

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
Total Copper	0.115	mg/L	1	0.125	<0.00140	92	85.6 - 113	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Iron	0.515	mg/L	1	0.500	<0.00690	103	86.9 - 115

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
Total Iron	0.507	mg/L	1	0.500	<0.00690	101	86.9 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Manganese	0.235	mg/L	1	0.250	<0.000600	94	85.4 - 115

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
Total Manganese	0.239	mg/L	1	0.250	<0.000600	96	85.4 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Molybdenum	0.521	mg/L	1	0.500	<0.00790	104	85 - 115

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
Total Molybdenum	0.530	mg/L	1	0.500	<0.00790	106	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.253	mg/L	1	0.250	<0.00190	101	86.4 - 115

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
Total Nickel	0.255	mg/L	1	0.250	<0.00190	102	86.4 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.262	mg/L	1	0.250	<0.00710	105	85 - 113

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
Total Zinc	0.267	mg/L	1	0.250	<0.00710	107	85 - 113	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.118	mg/L	1	0.125	<0.00210	94	86.7 - 113
Total Arsenic	0.461	mg/L	1	0.500	<0.00430	92	85 - 112
Total Barium	0.994	mg/L	1	1.00	<0.00170	99	86.9 - 115
Total Cadmium	0.266	mg/L	1	0.250	<0.00140	106	85.2 - 115
Total Chromium	0.102	mg/L	1	0.100	<0.000900	102	86 - 115
Total Lead	0.499	mg/L	1	0.500	<0.00320	100	87.9 - 112
Total Selenium	0.445	mg/L	1	0.500	<0.0131	89	85 - 109

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
Total Silver	0.119	mg/L	1	0.125	<0.00210	95	86.7 - 113	1	20
Total Arsenic	0.478	mg/L	1	0.500	<0.00430	96	85 - 112	4	20
Total Barium	1.00	mg/L	1	1.00	<0.00170	100	86.9 - 115	1	20
Total Cadmium	0.267	mg/L	1	0.250	<0.00140	107	85.2 - 115	0	20
Total Chromium	0.104	mg/L	1	0.100	<0.000900	104	86 - 115	2	20
Total Lead	0.501	mg/L	1	0.500	<0.00320	100	87.9 - 112	0	20
Total Selenium	0.445	mg/L	1	0.500	<0.0131	89	85 - 109	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49741 | Date Analyzed: 2008-06-25 | Analyzed By: AR
Prep Batch: 42707 | QC Preparation: 2008-06-25 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.30	mg/L	1	2.50	<0.0106	92	90 - 110

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
Nitrate-N	2.46	mg/L	1	2.50	<0.0106	98	90 - 110	7	

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

Laboratory Control Spike (LCS-1)

QC Batch: 49781 | Date Analyzed: 2008-06-26 | Analyzed By: TP
Prep Batch: 42727 | QC Preparation: 2008-06-26 | Prepared By: TP

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000999	mg/L	1	0.00100	<0.0000251	100	89.6 - 111

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
Total Mercury	0.000983	mg/L	1	0.00100	<0.0000251	98	89.6 - 111	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49786 | Date Analyzed: 2008-06-26 | Analyzed By: DC
Prep Batch: 42696 | QC Preparation: 2008-06-25 | Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0975	mg/L	1	0.100	<0.000200	98	71.7 - 120.5
Toluene	0.0973	mg/L	1	0.100	<0.000200	97	75.4 - 118.8
Ethylbenzene	0.0972	mg/L	1	0.100	<0.000200	97	73.5 - 118
Xylene	0.292	mg/L	1	0.300	<0.000300	97	72.9 - 118.2

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	0.0921	mg/L	1	0.100	<0.000200	92	71.7 - 120.5	6	20
Toluene	0.0923	mg/L	1	0.100	<0.000200	92	75.4 - 118.8	5	20
Ethylbenzene	0.0926	mg/L	1	0.100	<0.000200	93	73.5 - 118	5	20
Xylene	0.279	mg/L	1	0.300	<0.000300	93	72.9 - 118.2	5	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)	0.0941	0.0903	mg/L	1	0.100	94	90	38.2 - 131.6
4-Bromofluorobenzene (4-BFB)	0.0938	0.0907	mg/L	1	0.100	94	91	43.9 - 132.4

Laboratory Control Spike (LCS-1)

QC Batch: 49789 | Date Analyzed: 2008-06-26 | Analyzed By: TP
Prep Batch: 42734 | QC Preparation: 2008-06-26 | Prepared By: KV

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Calcium	49.6	mg/L	1	50.0	<0.175	99	89.5 - 114
Dissolved Potassium	48.6	mg/L	1	50.0	1.18	95	87.9 - 115
Dissolved Magnesium	49.4	mg/L	1	50.0	0.195	98	85.7 - 112
Dissolved Sodium	48.3	mg/L	1	50.0	0.385	96	90 - 114

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
Dissolved Calcium	49.6	mg/L	1	50.0	<0.175	99	89.5 - 114	0	20
Dissolved Potassium	49.8	mg/L	1	50.0	1.18	97	87.9 - 115	2	20
Dissolved Magnesium	49.4	mg/L	1	50.0	0.195	98	85.7 - 112	0	20
Dissolved Sodium	49.1	mg/L	1	50.0	0.385	97	90 - 114	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 49865 | Date Analyzed: 2008-06-30 | Analyzed By: AR
Prep Batch: 42806 | QC Preparation: 2008-06-27 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.28	mg/L	1	2.50	<0.0119	91	90 - 110

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
Fluoride	2.06	mg/L	1	2.50	<0.0119	82	90 - 110	10	

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

Matrix Spike (MS-1) Spiked Sample: 164330

QC Batch: 49668 | Date Analyzed: 2008-07-08 | Analyzed By: AR
Prep Batch: 42656 | QC Preparation: 2008-07-08 | Prepared By: AR

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	[1]	176	mg/L	5	62.5	58.7	188	90 - 110
PO4-P	[2]	118	mg/L	5	62.5	<0.309	189	90 - 110
Sulfate	[3]	270	mg/L	5	62.5	154	186	90 - 110

[1]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[3]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

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
Chloride	[4]	177	mg/L	5	62.5	58.7	189	90 - 110	1	
PO4-P	[5]	117	mg/L	5	62.5	<0.309	187	90 - 110	1	
Sulfate	[6]	270	mg/L	5	62.5	154	186	90 - 110	0	

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

Matrix Spike (MS-1) Spiked Sample: 164186

QC Batch: 49700 | Date Analyzed: 2008-06-24 | Analyzed By: DC
Prep Batch: 42680 | QC Preparation: 2008-06-24 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	48.8	mg/L	200	20.0	30.6712	91	10 - 160.8
Toluene	23.0	mg/L	200	20.0	4.9516	90	10 - 160.7
Ethylbenzene	19.2	mg/L	200	20.0	1.2699	90	10 - 158.3
Xylene	55.9	mg/L	200	60.0	1.9903	90	10 - 158

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	47.5	mg/L	200	20.0	30.6712	84	10 - 160.8	3	20
Toluene	22.5	mg/L	200	20.0	4.9516	88	10 - 160.7	2	20
Ethylbenzene	18.9	mg/L	200	20.0	1.2699	88	10 - 158.3	2	20
Xylene	55.0	mg/L	200	60.0	1.9903	88	10 - 158	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)	19.1	19.3	mg/L	200	20	96	96	33.1 - 132.5
4-Bromofluorobenzene (4-BFB)	19.4	19.5	mg/L	200	20	97	98	37.5 - 136

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

[4]MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[5]MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.
[6]MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Aluminum	0.946	mg/L	1	1.00	<0.0228	95	75 - 117

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
Total Aluminum	0.951	mg/L	1	1.00	<0.0228	95	75 - 117	0	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Boron	0.0540	mg/L	1	0.0500	<0.00440	108	75 - 125

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
Total Boron	0.0550	mg/L	1	0.0500	<0.00440	110	75 - 125	2	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cobalt	0.252	mg/L	1	0.250	<0.00220	101	75 - 116

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
Total Cobalt	0.252	mg/L	1	0.250	<0.00220	101	75 - 116	0	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.121	mg/L	1	0.125	<0.00140	97	81 - 112

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
Total Copper	0.129	mg/L	1	0.125	<0.00140	103	81 - 112	6	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Iron	0.455	mg/L	1	0.500	<0.00690	91	75 - 125

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
Total Iron	0.485	mg/L	1	0.500	<0.00690	97	75 - 125	6	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Manganese	0.234	mg/L	1	0.250	<0.000600	94	75 - 111

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
Total Manganese	0.233	mg/L	1	0.250	<0.000600	93	75 - 111	0	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Molybdenum	0.498	mg/L	1	0.500	<0.00790	100	75 - 125

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
Total Molybdenum	0.501	mg/L	1	0.500	<0.00790	100	75 - 125	1	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Nickel	0.253	mg/L	1	0.250	<0.00190	101	75 - 121

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
Total Nickel	0.251	mg/L	1	0.250	<0.00190	100	75 - 121	1	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.251	mg/L	1	0.250	<0.00710	100	76.9 - 111

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
Total Zinc	0.252	mg/L	1	0.250	<0.00710	101	76.9 - 111	0	20

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49710 | Date Analyzed: 2008-06-25 | Analyzed By: RR
Prep Batch: 42662 | QC Preparation: 2008-06-24 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.119	mg/L	1	0.125	<0.00210	95	76.1 - 115
Total Arsenic	0.469	mg/L	1	0.500	<0.00430	94	81.6 - 116
Total Barium	1.04	mg/L	1	1.00	0.048	99	75 - 123
Total Cadmium	0.252	mg/L	1	0.250	<0.00140	101	75 - 115
Total Chromium	0.0990	mg/L	1	0.100	<0.000900	99	75 - 125
Total Lead	0.480	mg/L	1	0.500	<0.00320	96	82.6 - 114
Total Selenium	0.441	mg/L	1	0.500	<0.0131	88	75 - 106

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
Total Silver	0.120	mg/L	1	0.125	<0.00210	96	76.1 - 115	1	20
Total Arsenic	0.469	mg/L	1	0.500	<0.00430	94	81.6 - 116	0	20
Total Barium	1.03	mg/L	1	1.00	0.048	98	75 - 123	1	20
Total Cadmium	0.251	mg/L	1	0.250	<0.00140	100	75 - 115	0	20
Total Chromium	0.0980	mg/L	1	0.100	<0.000900	98	75 - 125	1	20
Total Lead	0.486	mg/L	1	0.500	<0.00320	97	82.6 - 114	1	20
Total Selenium	0.430	mg/L	1	0.500	<0.0131	86	75 - 106	2	20

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

Matrix Spike (MS-1) Spiked Sample: 164643

QC Batch: 49741 | Date Analyzed: 2008-06-25 | Analyzed By: AR
Prep Batch: 42707 | QC Preparation: 2008-06-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	17.3	mg/L	5	12.5	5.2694	96	90 - 110

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
Nitrate-N	17.4	mg/L	5	12.5	5.2694	97	90 - 110	1	

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

Matrix Spike (MS-1) Spiked Sample: 164378

QC Batch: 49781 | Date Analyzed: 2008-06-26 | Analyzed By: TP
Prep Batch: 42727 | QC Preparation: 2008-06-26 | Prepared By: TP

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000994	mg/L	1	0.00100	<0.0000251	99	75 - 125

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
Total Mercury	0.00101	mg/L	1	0.00100	<0.0000251	101	75 - 125	2	20

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

Matrix Spike (MS-1) Spiked Sample: 164322

QC Batch: 49786 | Date Analyzed: 2008-06-26 | Analyzed By: DC
Prep Batch: 42696 | QC Preparation: 2008-06-25 | Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	23.8	mg/L	200	20.0	3.25	103	10 - 160.8
Toluene	21.0	mg/L	200	20.0	0.1621	104	10 - 160.7
Ethylbenzene	21.1	mg/L	200	20.0	0.2715	104	10 - 158.3
Xylene	62.5	mg/L	200	60.0	0.0836	104	10 - 158

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	21.9	mg/L	200	20.0	3.25	93	10 - 160.8	8	20
Toluene	19.3	mg/L	200	20.0	0.1621	96	10 - 160.7	8	20
Ethylbenzene	19.4	mg/L	200	20.0	0.2715	96	10 - 158.3	8	20
Xylene	57.6	mg/L	200	60.0	0.0836	96	10 - 158	8	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)	20.6	19.2	mg/L	200	20	103	96	33.1 - 132.5
4-Bromofluorobenzene (4-BFB)	20.7	19.2	mg/L	200	20	104	96	37.5 - 136

Matrix Spike (MS-1) Spiked Sample: 164329

QC Batch: 49789 | Date Analyzed: 2008-06-26 | Analyzed By: TP
Prep Batch: 42734 | QC Preparation: 2008-06-26 | Prepared By: KV

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Calcium	156	mg/L	1	50.0	107	98	75 - 125
Dissolved Potassium	52.6	mg/L	1	50.0	5.01	95	79.4 - 125
Dissolved Magnesium	65.7	mg/L	1	50.0	19.1	93	75 - 119
Dissolved Sodium	108	mg/L	1	50.0	61.3	93	75 - 125

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
Dissolved Calcium	158	mg/L	1	50.0	107	102	75 - 125	1	20
Dissolved Potassium	53.7	mg/L	1	50.0	5.01	97	79.4 - 125	2	20
Dissolved Magnesium	66.4	mg/L	1	50.0	19.1	95	75 - 119	1	20
Dissolved Sodium	108	mg/L	1	50.0	61.3	93	75 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 164330

QC Batch: 49865 | Date Analyzed: 2008-06-30 | Analyzed By: AR
Prep Batch: 42806 | QC Preparation: 2008-06-27 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	14.4	mg/L	5	12.5	2.711	94	90 - 110

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
Fluoride	14.5	mg/L	5	12.5	2.711	94	90 - 110	1	

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

Standard (ICV-1)

QC Batch: 49668 | Date Analyzed: 2008-07-08 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2008-07-08
PO4-P		mg/L	12.5	11.8	94	90 - 110	2008-07-08
Sulfate		mg/L	12.5	11.9	95	90 - 110	2008-07-08

Standard (CCV-1)

QC Batch: 49668 | Date Analyzed: 2008-07-08 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2008-07-08
PO4-P		mg/L	12.5	11.8	94	90 - 110	2008-07-08
Sulfate		mg/L	12.5	11.9	95	90 - 110	2008-07-08

Standard (ICV-1)

QC Batch: 49670 Date Analyzed: 2008-06-23 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 200	2008-06-23
Carbonate Alkalinity		mg/L as CaCo3	0.00	196		0 - 200	2008-06-23
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	56.0		0 - 200	2008-06-23
Total Alkalinity		mg/L as CaCo3	250	252	101	90 - 110	2008-06-23

Standard (CCV-1)

QC Batch: 49670 Date Analyzed: 2008-06-23 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 200	2008-06-23
Carbonate Alkalinity		mg/L as CaCo3	0.00	194		0 - 200	2008-06-23
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	61.0		0 - 200	2008-06-23
Total Alkalinity		mg/L as CaCo3	250	255	102	90 - 110	2008-06-23

Standard (ICV-1)

QC Batch: 49700 Date Analyzed: 2008-06-24 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	0.108	108	85 - 115	2008-06-24
Toluene		mg/L	0.100	0.108	108	85 - 115	2008-06-24
Ethylbenzene		mg/L	0.100	0.108	108	85 - 115	2008-06-24
Xylene		mg/L	0.300	0.324	108	85 - 115	2008-06-24

Standard (CCV-1)

QC Batch: 49700 Date Analyzed: 2008-06-24 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	0.0983	98	85 - 115	2008-06-24
Toluene		mg/L	0.100	0.0980	98	85 - 115	2008-06-24
Ethylbenzene		mg/L	0.100	0.0981	98	85 - 115	2008-06-24
Xylene		mg/L	0.300	0.294	98	85 - 115	2008-06-24

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Aluminum		mg/L	1.00	0.975	98	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Boron		mg/L	1.00	0.991	99	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.997	100	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.973	97	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Iron		mg/L	1.00	0.989	99	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Manganese		mg/L	1.00	1.04	104	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Molybdenum		mg/L	1.00	1.02	102	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.03	103	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.975	98	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2008-06-25
Total Arsenic		mg/L	1.00	1.00	100	90 - 110	2008-06-25
Total Barium		mg/L	1.00	0.978	98	90 - 110	2008-06-25
Total Cadmium		mg/L	1.00	0.993	99	90 - 110	2008-06-25
Total Chromium		mg/L	1.00	0.988	99	90 - 110	2008-06-25
Total Lead		mg/L	1.00	1.01	101	90 - 110	2008-06-25
Total Selenium		mg/L	1.00	0.999	100	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Aluminum		mg/L	1.00	0.977	98	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Boron		mg/L	1.00	0.991	99	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cobalt		mg/L	1.00	0.985	98	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.981	98	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Iron		mg/L	1.00	0.979	98	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Manganese		mg/L	1.00	1.04	104	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Molybdenum		mg/L	1.00	0.978	98	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Nickel		mg/L	1.00	1.02	102	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.974	97	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49710 Date Analyzed: 2008-06-25 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.129	103	90 - 110	2008-06-25
Total Arsenic		mg/L	1.00	0.996	100	90 - 110	2008-06-25
Total Barium		mg/L	1.00	0.989	99	90 - 110	2008-06-25
Total Cadmium		mg/L	1.00	0.978	98	90 - 110	2008-06-25
Total Chromium		mg/L	1.00	0.975	98	90 - 110	2008-06-25
Total Lead		mg/L	1.00	0.996	100	90 - 110	2008-06-25
Total Selenium		mg/L	1.00	0.983	98	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49741 Date Analyzed: 2008-06-25 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.36	94	90 - 110	2008-06-25

Standard (CCV-1)

QC Batch: 49741 Date Analyzed: 2008-06-25 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.30	92	90 - 110	2008-06-25

Standard (ICV-1)

QC Batch: 49781 Date Analyzed: 2008-06-26 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000959	96	90 - 110	2008-06-26

Standard (CCV-1)

QC Batch: 49781 Date Analyzed: 2008-06-26 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000993	99	80 - 120	2008-06-26

Standard (ICV-1)

QC Batch: 49786 Date Analyzed: 2008-06-26 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	0.0938	94	85 - 115	2008-06-26
Toluene		mg/L	0.100	0.0944	94	85 - 115	2008-06-26
Ethylbenzene		mg/L	0.100	0.0931	93	85 - 115	2008-06-26
Xylene		mg/L	0.300	0.281	94	85 - 115	2008-06-26

Standard (CCV-1)

QC Batch: 49786 Date Analyzed: 2008-06-26 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	0.0974	97	85 - 115	2008-06-26
Toluene		mg/L	0.100	0.0965	96	85 - 115	2008-06-26
Ethylbenzene		mg/L	0.100	0.0959	96	85 - 115	2008-06-26
Xylene		mg/L	0.300	0.288	96	85 - 115	2008-06-26

Standard (ICV-1)

QC Batch: 49789 Date Analyzed: 2008-06-26 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	49.9	100	90 - 110	2008-06-26
Dissolved Potassium		mg/L	50.0	49.8	100	90 - 110	2008-06-26
Dissolved Magnesium		mg/L	50.0	49.8	100	90 - 110	2008-06-26
Dissolved Sodium		mg/L	50.0	49.3	99	90 - 110	2008-06-26

Standard (CCV-1)

QC Batch: 49789 Date Analyzed: 2008-06-26 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	47.1	94	90 - 110	2008-06-26
Dissolved Potassium		mg/L	50.0	48.3	97	90 - 110	2008-06-26
Dissolved Magnesium		mg/L	50.0	47.1	94	90 - 110	2008-06-26
Dissolved Sodium		mg/L	50.0	46.6	93	90 - 110	2008-06-26

Standard (ICV-1)

QC Batch: 49865 Date Analyzed: 2008-06-30 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.38	95	90 - 110	2008-06-30

Standard (CCV-1)

QC Batch: 49865 Date Analyzed: 2008-06-30 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.28	91	90 - 110	2008-06-30

1H322 - 330

LAB Order ID # 8062306

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
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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) 2901 Rankin Hwy
Fax #: 432-522-2180
Contact Person: Shanna Smith
E-mail: SSmith@talonlpe.com
Invoice to: (if different from above) PLAINS SRS#2008-00012 Camille Reynolds
Project #: PLAINS047SPL
Project Name: Hobbs Junction Mainline
Project Location (including state): Hobbs, N.M.
Sampler Signature: Lance Reynolds, Carl Vessels, Camilo Chavez

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
1H322	MW-10	2	VOA	X				X				X		6/20/08	1248
323	MW-16	2	VOA	X				X				X			1315
324	MW-18	2	VOA	X				X				X			1320
325	MW-19	2	VOA	X				X				X			1310
326	MW-20	2	VOA	X				X				X			1323
327	MW-21	2	VOA	X				X				X			1306
328	MW-22	2	VOA	X				X				X			1300
329	MW-23	4	VOA 500	X				X	X			X			1333
330	MW-24	4	VOA 500	X				X	X			X		↓	1341

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	Metals - Cu, Fe, Mg, Zn, Al, B, Ca, Na, K	Cations - Ca, Mg, Na, K	Alkalinity	IC, Cl, SO_4, NO_3, PH, F	Turn Around Time if different from standard	Hold
X	X																				
X	X																				
X	X																				
X	X																				
X	X																				
X	X																				
X	X																				
X	X					X										X	X	X	X		
X	X					X										X	X	P	X		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	6/20/08	1725		6/20/08	17:25
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 3.7
Log-in-Review

REMARKS:
Metals & Cations - Lubbock
BTEX & Anions, Alkalinity - 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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LAB Order ID # 8062306 - 8062306 Page 2 of 2

TraceAnalysis, Inc.

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1 (800) 378-1296

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

Company Name: Eulon LPG
Address: (Street, City, Zip) 2901 Rankin Hwy
Contact Person: Shanna Smith
Invoice to: (If different from above)
Project #: RS-2003-00017
Project Location (including state): Hobbs, NM

Phone #: 432-522-2133
Fax #: 432-522-2180
E-mail: Cumilie Bryant - Plains SSmith@eulonlpg.com
Project Name: Hobbs Junction Mainline
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
1642	MW-23	1	250mL											6-25-08	9:39 (MT)
1643	MW-24	1	250mL											6-25-08	9:25 (MT)

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	Nitrate					Turn Around Time if different from standard	Hold
																X	X						
																X							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	6-25-08	16:50		6/25/08	0950
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	6/25/08	1727			
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				6/25/08	17:20

LAB USE ONLY
Intact (Y) / N
Headspace Y / N
Temp 2.1
Log-in-Review

REMARKS:

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

Carrier #

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

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