AP - 54

QUARTERLY MONITORING REPORT

Third/2009

PLAINS
PIPELINE, L.P.

October 8, 2009

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

RECEIVED
OCT 23 2009
Environmental Bureau
Oil Conservation Division

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 Quarterly Report, dated October 7, 2009, 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 activities performed during the third quarter of 2009.

Should you have any questions or comments, please contact me at (575) 441-1099.

Sincerely,

Jason Henry

Jason Henry
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs Office

Enclosure

TALON LPE

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

AUSTIN
3003 Tom Gary Cove
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Fax 512.989.3487

TYLER
719 West Front, Ste. 255
Tyler, Texas 75702
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Fax 903.531.9979

MIDLAND
2901 S. State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
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Phone 210.579.0235
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Fax 918.742.0876

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318 East Taylor Street
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Fax 575.393.4658

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104 West Hermosa, Ste. E
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Fax 575.746.8905

ENVIRONMENTAL CONSULTING
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EMERGENCY RESPONSE

Toll Free: 866.742.0742
www.talonlpe.com

October 7, 2009

RECEIVED
OCT 23 2009
Environmental Bureau
Oil Conservation Division

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

Re: Plains Pipeline, L.P. Hobbs Junction Mainline (Plains SRS#2003-00017)
Third Quarter 2009 Summary
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 (Talon), on behalf of Plains Pipeline, L.P. (Plains) submits this letter summarizing the third quarter activities.

Remediation Activities

During the third quarter of 2009, six skimmer pumps located in monitoring wells; MW-2, MW-6, MW-11, MW-14, MW-15, and MW-17, and five total fluid pumps located in monitoring wells; MW-1, MW-3, MW-4, MW-5, and MW-12 were utilized to recover phase separated hydrocarbons (PSH) and inhibit migration of the PSH plume. The system is maintained weekly to optimize recovery rates. A summary of the historical groundwater gauging data is provided in Table 1.

Plains has completed a contract with Oxy for water disposal access at the Oxy North Hobbs Satellite 25 facility that is located approximately 2.5 miles to the northeast of the site. A poly pipe has been installed to the North Hobbs Satellite facility and on September 29, 2009 the system became operational and a total of 107 barrels of water was transferred via the poly line and disposed at the North Hobbs Satellite 25 facility.

Quarterly Sampling Event

On August 11 and 12, 2009, the third quarter groundwater sampling event was conducted at the site. During the sampling event, all monitor wells were measured to determine static water levels and the presence and/or absence of PSH. Groundwater samples from monitor wells MW-1 through MW-24 were submitted to the laboratory for quantification of benzene, toluene, ethylbenzene, and xylene (BTEX) using EPA SW-846 Method 8021B and poly-aromatic hydrocarbons (PAH) using SW-846 Method 8270C. Monitor wells MW-1

through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17 wereadditionally quantified for total petroleum hydrocarbons (TPH) DRO and GRO Method 8015B. Pursuant to a request from the New Mexico Oil Conservation Division (NMOCD), one time per year all wells are analyzed for PAH's and one time per year those wells exhibiting PSH are also analyzed for TPH.

Groundwater Sampling Results (Monitor Wells Not Containing PSH)

During the August 2009 sampling event, a total of thirteen monitor wells not containing PSH (MW-7 through MW-10, MW-13, MW-16, and MW-18 through MW-24) were sampled. Groundwater samples collected from these monitor wells exhibited the following analytical results:

- Benzene concentrations ranged from <0.00100 mg/L to 21.1 mg/L. Benzene concentrations exceeded the New Mexico Water Quality Control Commission (NMWQCC) remediation threshold of 0.010 mg/L in groundwater samples collected from monitor wells MW-10, MW-20, and MW-21.

- Toluene concentrations ranged from <0.00100 mg/L to 1.14 mg/L. Toluene concentrations exceeded the NMWQCC remediation threshold of 0.750 mg/L in the groundwater sample collected from monitor well MW-20.

- Ethylbenzene concentrations ranged from <0.00100 mg/L to 1.65 mg/L. Ethylbenzene concentrations exceeded the NMWQCC remediation threshold of 0.750 mg/L in the groundwater sample collected from monitor well MW-20.

- Xylene concentrations ranged from <0.00100 mg/L to 1.46 mg/L. Xylene concentrations exceeded the NMWQCC remediation threshold of 0.620 mg/L in the groundwater sample collected from monitor well MW-20.

- TPH was not quantified for monitor wells MW-7 through MW-10, MW13, MW-16, and MW-18 through MW-24.

- PAH concentrations are summarized in Table - 3 of Appendix B.

Groundwater Sampling Results (Monitor Wells Containing PSH)

During the August 2009 sampling event, a total of eleven monitor wells containing PSH (MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17) were sampled. Groundwater samples collected from these monitor wells exhibited the following analytical results:

- Benzene concentrations ranged from 15.0 mg/L to 45.1 mg/L. Benzene concentrations exceeded the NMWQCC remediation threshold of 0.010 mg/L in groundwater samples collected from monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17.

- Toluene concentrations ranged from 6.31 mg/L to 30.1 mg/L. Toluene concentrations exceeded the NMWQCC remediation threshold of 0.750 mg/L in groundwater samples collected from monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and

MW-17.

- Ethylbenzene concentrations ranged from 0.856 mg/L to 9.27 mg/L. Ethylbenzene concentrations exceeded the NMWQCC remediation threshold of 0.750 mg/L in groundwater samples collected from monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17.

- Xylene concentrations ranged from 1.47 mg/L to 15.0 mg/L. Xylene concentrations exceeded the NMWQCC remediation threshold of 0.620 mg/L in groundwater samples collected from monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17.

- TPH concentration ranged from 111 mg/L to 1,500 mg/L. The NMWQCC does not have a remediation threshold set-forth for TPH.

- PAH concentrations are summarized in Table - 4 of Appendix B. Of the PAH concentrations, Naphthalene exceeded the NMWQCC remediation threshold of 0.030 mg/L in groundwater samples collected from monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17.

Groundwater analytical results are summarized in Tables 1 through 4 of Appendix B. Laboratory analytical data reports and chain of custody documentation are provided in Appendix C.

If you have any questions or require further information, please contact me at (432) 522-2133 or Mr. Jeff Dann at (713) 646-4657.

Sincerely,

Kyle Waggoner, P.G.
Senior Project Manager

Cc: Mr. Jeffery P. Dann, Plains Pipeline, L.P.

Appendices:

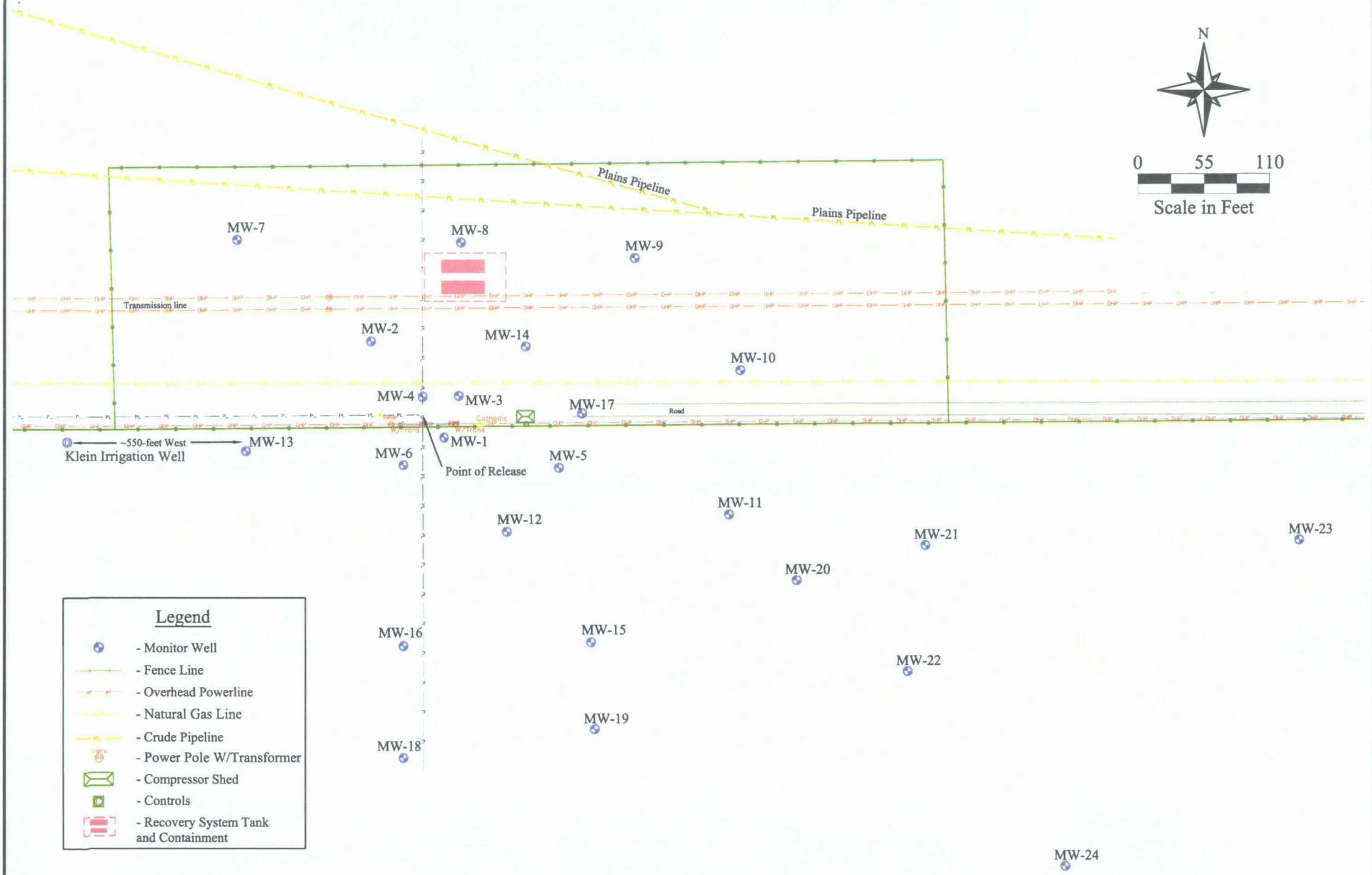
Appendix A

Drawings

Figure 1 - Site Layout and Monitor Well Location Map

Figure 2 - Groundwater Gradient Map - 08/11/2009

Figure 3 - Groundwater Concentration and PSH Plume Map - 08/11&12/2009



Project # PLAINS047SPL

TALON LPE

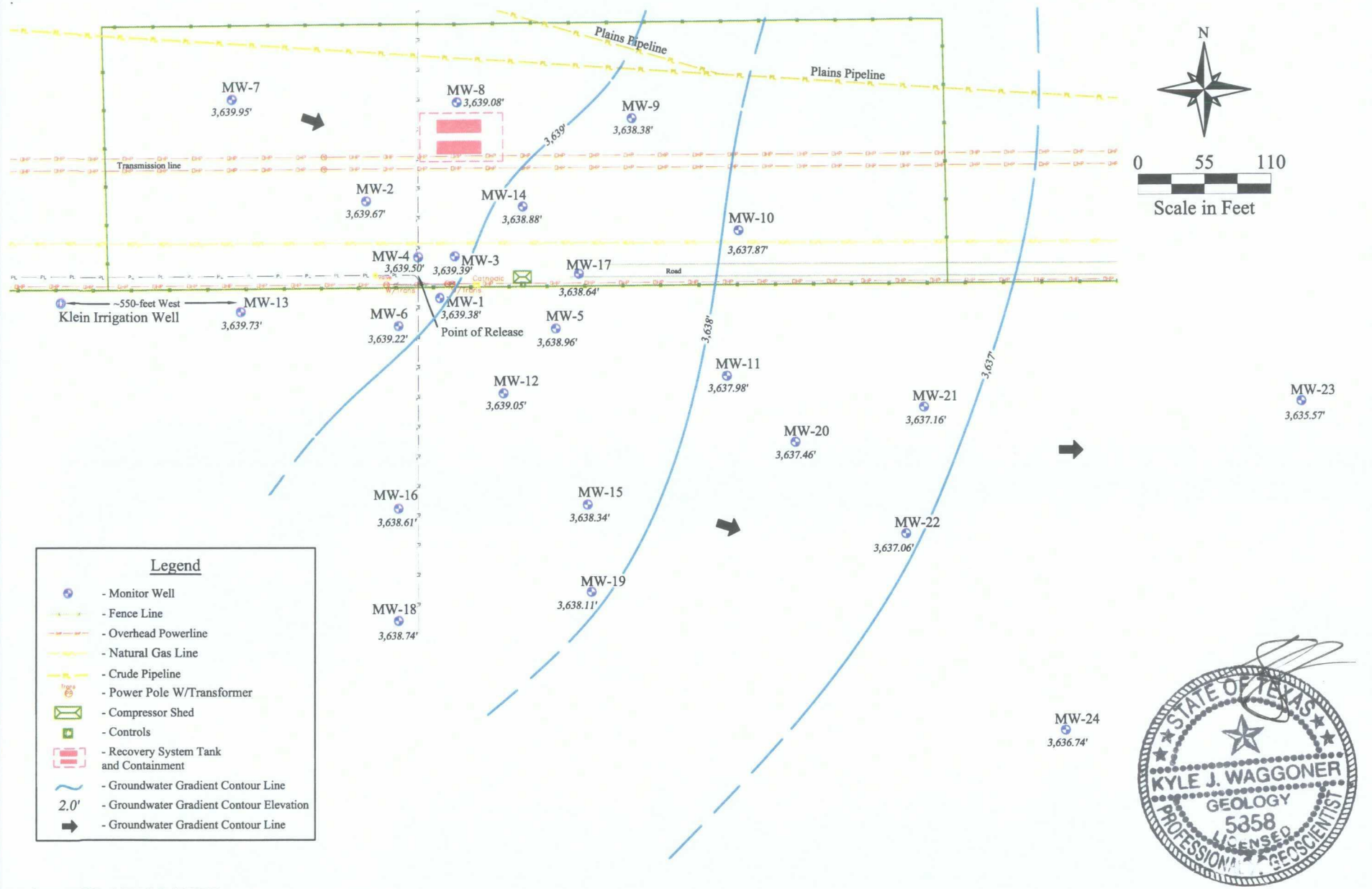
Date:	04/09/2009
Scale:	1" = 110'
Drawn By:	SJA

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 Layout and Monitor Well Location Map



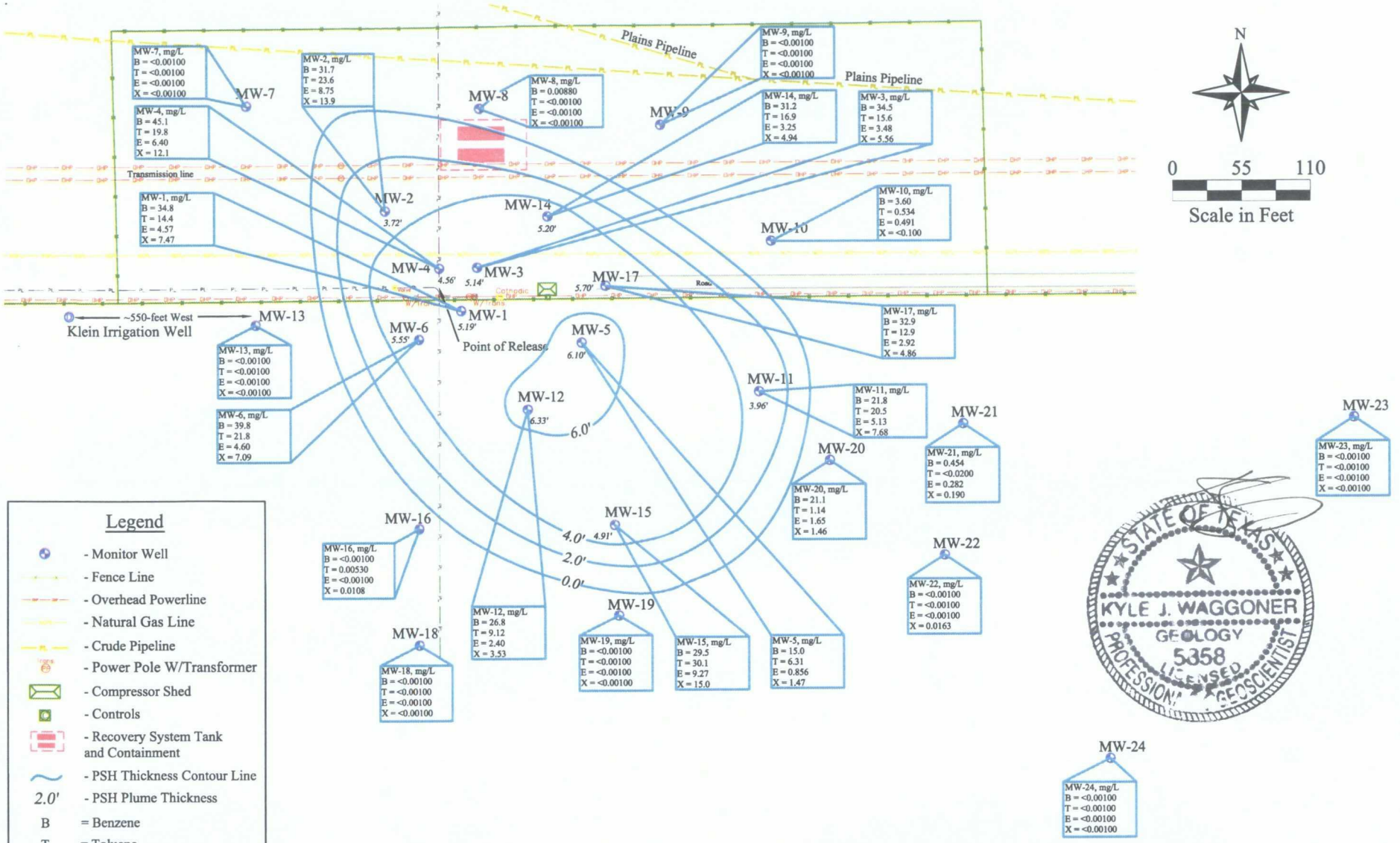
Project # PLAINS047SPL

TALON LPE

Date: 9/22/2009
Scale: 1" = 110'
Drawn By: HDJ

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 - 08/11/2009



Project # PLAINS047SPL

TALON LPE

Date: 9/22/2009
Scale: 1" = 110'
Drawn By: HDJ

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 - Groundwater Concentration and PSH Plume Map - 08/11&12/2009

Appendix B

Tables

Table 1 - Summary of Historical Fluid Level Measurements

Table 2 - Summary of BTEX Groundwater Analytical Data

Table 3 - Summary of PAH (Monitor Wells Not Containing PSH)

Table 4 - Summary of TPH and PAH (Monitor Wells Containing PSH)

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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

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SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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
MW-1	07/22/08		38.54	42.37	3.83		3,639.58
MW-1	07/24/08		39.94	40.41	0.47		3,638.51
MW-1	08/19/08		38.76	39.88	1.12		3,639.63
MW-1	08/20/08		38.74	43.89	5.15		3,639.25
MW-1	11/18/08		38.17	43.12	4.95		3,639.84

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SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	12/18/08		38.21	43.15	4.94		3,639.80
MW-1	01/13/09		38.30	42.81	4.51		3,639.75
MW-1	03/03/09		38.33	43.25	4.92		3,639.68
MW-1	06/24/09		38.49	43.51	5.02		3,639.51
MW-1	08/11/09		38.60	43.79	5.19		3,639.38
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
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-2	07/24/08		40.33	41.46	1.13		3,639.03
MW-2	08/19/08		40.05	41.19	1.14		3,639.31

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	09/02/08		39.25	40.76	1.51		3,640.07
MW-2	11/18/08		39.19	41.72	2.53		3,640.03
MW-2	12/18/08		39.11	42.19	3.08		3,640.05
MW-2	01/13/09		39.14	42.24	3.10		3,640.02
MW-2	03/03/09		39.22	42.45	3.23		3,639.93
MW-2	06/24/09		39.36	42.76	3.40		3,639.77
MW-2	08/11/09		39.43	43.15	3.72		3,639.67
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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
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-3	07/22/08		40.41	41.58	1.17		3,639.28
MW-3	07/24/08		40.51	45.03	4.52		3,638.85
MW-3	08/19/08		40.08	46.33	6.25		3,639.11

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	08/20/08		40.08	45.33	5.25		3,639.21
MW-3	11/18/08		39.46	44.64	5.18		3,639.83
MW-3	12/18/08		39.51	44.63	5.12		3,639.79
MW-3	01/13/09		39.64	44.17	4.53		3,639.72
MW-3	03/03/09		39.65	44.62	4.97		3,639.66
MW-3	06/24/09		39.94	44.25	4.31		3,639.44
MW-3	08/11/09		39.91	45.05	5.14		3,639.39
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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	03/13/07		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
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-4	07/22/08		39.51	43.35	3.84		3,639.75
MW-4	07/24/08		40.98	41.16	0.18		3,638.64
MW-4	08/19/08		39.88	44.41	4.53		3,639.31

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	08/20/08		39.97	44.42	4.45		3,639.23
MW-4	11/18/08		39.27	43.72	4.45		3,639.93
MW-4	12/18/08		39.29	43.75	4.46		3,639.90
MW-4	01/13/09		39.42	43.25	3.83		3,639.84
MW-4	03/03/09		39.45	43.71	4.26		3,639.76
MW-4	06/24/09		39.71	43.35	3.64		3,639.57
MW-4	08/11/09		39.68	44.24	4.56		3,639.50
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

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SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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-5	07/22/08		40.31	40.85	0.54		3,638.90
MW-5	07/24/08		41.25	41.39	0.14		3,638.00
MW-5	08/19/08		39.82	40.25	0.43		3,639.40
MW-5	08/20/08		39.82	40.29	0.47		3,639.39
MW-5	11/18/08		39.20	45.62	6.42		3,639.42
MW-5	12/18/08		39.24	45.71	6.47		3,639.37
MW-5	01/13/09		39.36	45.23	5.87		3,639.31
MW-5	03/03/09		39.36	45.66	6.30		3,639.27

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	06/24/09		39.55	45.65	6.10		3,639.10
MW-5	08/11/09		39.69	45.79	6.10		3,638.96
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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	04/12/07		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
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-6	07/24/08		41.98	42.18	0.20		3,638.63
MW-6	08/19/08		41.19	44.28	3.09		3,639.13
MW-6	08/20/08		41.17	44.44	3.27		3,639.13
MW-6	09/02/08		40.95	41.17	0.22		3,639.66
MW-6	11/18/08		40.33	44.63	4.30		3,639.87
MW-6	12/18/08		40.35	44.80	4.45		3,639.84
MW-6	01/13/09		40.45	44.37	3.92		3,639.79

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	03/03/09		40.51	44.65	4.14		3,639.71
MW-6	06/24/09		40.90	43.77	2.87		3,639.44
MW-6	08/11/09		40.86	46.41	5.55		3,639.22
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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
MW-7	08/19/08			39.31			3,640.54
MW-7	08/20/08			39.30			3,640.55
MW-7	12/18/08			39.48			3,640.37
MW-7	01/13/09			39.47			3,640.38
MW-7	03/03/09			39.58			3,640.27
MW-7	06/24/09			39.77			3,640.08
MW-7	08/11/09			39.90			3,639.95
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	11/14/05			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
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-8	08/19/08			39.41			3,639.66
MW-8	08/20/08			39.41			3,639.66
MW-8	12/18/08			39.57			3,639.50
MW-8	01/13/09			39.58			3,639.49
MW-8	03/03/09			39.68			3,639.39

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	06/24/09			39.85			3,639.22
MW-8	08/11/09			39.99			3,639.08
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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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-9	08/19/08			39.95			3,638.81
MW-9	08/20/08			39.84			3,638.92
MW-9	12/18/08			40.02			3,638.74
MW-9	01/13/09			40.02			3,638.74
MW-9	03/03/09			40.10			3,638.66
MW-9	06/24/09			40.28			3,638.48
MW-9	08/11/09			40.38			3,638.38
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
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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
MW-10	08/19/08			39.96			3,638.40
MW-10	08/20/08			39.96			3,638.40
MW-10	11/18/08			40.08			3,638.28
MW-10	12/18/08			40.10			3,638.26
MW-10	01/13/09			40.13			3,638.23

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	03/03/09			40.21			3,638.15
MW-10	06/24/09			40.39			3,637.97
MW-10	08/11/09			40.49			3,637.87
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
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-11	07/22/08		39.61	40.88	1.27		3,638.29
MW-11	08/19/08		40.42	41.04	0.62		3,637.55
MW-11	08/20/08		40.42	41.09	0.67		3,637.54
MW-11	09/02/08		39.78	39.96	0.18		3,638.23
MW-11	11/18/08		39.35	42.46	3.11		3,638.37
MW-11	12/18/08		39.25	43.07	3.82		3,638.40
MW-11	01/13/09		39.45	42.41	2.96		3,638.28
MW-11	03/03/09		39.50	42.67	3.17		3,638.21
MW-11	06/24/09		39.44	43.74	4.30		3,638.16
MW-11	08/11/09		39.65	43.61	3.96		3,637.98
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
MW-12	07/22/08		39.69	45.50	5.81		3,639.36
MW-12	07/24/08		40.61	46.15	5.54		3,638.47
MW-12	08/19/08		40.08	46.95	6.87		3,638.86
MW-12	08/20/08		40.09	46.98	6.89		3,638.85
MW-12	11/18/08		39.50	45.95	6.45		3,639.49
MW-12	12/18/08		39.52	45.96	6.44		3,639.47
MW-12	01/13/09		39.68	45.44	5.76		3,639.37
MW-12	03/03/09		39.63	46.05	6.42		3,639.36
MW-12	06/24/09		39.79	46.24	6.45		3,639.20
MW-12	08/11/09		39.95	46.28	6.33		3,639.05
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	11/14/05			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
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-13	08/19/08			41.10			3,640.32
MW-13	08/20/08			41.09			3,640.33
MW-13	12/18/08			41.26			3,640.16
MW-13	01/13/09			41.26			3,640.16
MW-13	03/03/09			41.37			3,640.05
MW-13	06/24/09			41.55			3,639.87

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	08/11/09			41.69			3,639.73
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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
MW-14	07/24/08		41.00	41.22	0.22		3,637.98
MW-14	08/19/08		39.86	44.75	4.89		3,638.65
MW-14	09/02/08		39.99	40.22	0.23		3,638.99
MW-14	11/18/08		39.15	44.54	5.39		3,639.31
MW-14	12/18/08		39.18	44.61	5.43		3,639.28
MW-14	01/13/09		39.25	44.33	5.08		3,639.24
MW-14	03/03/09		40.02	44.32	4.30		3,638.55
MW-14	06/24/09		39.45	44.90	5.45		3,639.01
MW-14	08/11/09		39.60	44.80	5.20		3,638.88
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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-15	07/24/08		36.51	41.53	5.02		3,637.91
MW-15	08/19/08		36.19	41.46	5.27		3,638.20
MW-15	08/20/08		36.19	41.48	5.29		3,638.20
MW-15	09/02/08		36.02	38.35	2.33		3,638.67
MW-15	11/18/08		35.61	40.73	5.12		3,638.80
MW-15	12/18/08		35.64	40.88	5.24		3,638.76
MW-15	01/13/09		35.70	40.67	4.97		3,638.72
MW-15	03/03/09		35.75	40.90	5.15		3,638.66
MW-15	06/24/09		36.02	40.90	4.88		3,638.41
MW-15	08/11/09		36.09	41.00	4.91		3,638.34
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
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-16	08/19/08			37.68			3,639.18
MW-16	08/20/08			37.69			3,639.17
MW-16	11/18/08			37.81			3,639.05
MW-16	12/18/08			37.85			3,639.01
MW-16	01/13/09			37.86			3,639.00
MW-16	03/03/09			37.95			3,638.91
MW-16	06/24/09			38.13			3,638.73

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	08/11/09			38.25			3,638.61
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
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

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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
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-17	07/24/08		41.05	42.26	1.21		3,637.84
MW-17	08/19/08		39.99	45.73	5.74		3,638.45
MW-17	09/02/08		40.27	40.37	0.10		3,638.73
MW-17	11/18/08		39.31	45.25	5.94		3,639.11
MW-17	12/18/08		39.39	45.40	6.01		3,639.02
MW-17	01/13/09		39.40	45.25	5.85		3,639.03
MW-17	03/03/09		39.44	45.50	6.06		3,638.96
MW-17	06/24/09		39.69	45.24	5.55		3,638.77
MW-17	08/11/09		39.80	45.50	5.70		3,638.64
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			

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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-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	3,675.68		35.94			3,639.74
MW-18	11/02/07			35.97			3,639.71
MW-18	12/05/07			36.04			3,639.64
MW-18	01/30/08			36.08			3,639.60
MW-18	03/11/08			36.14			3,639.54
MW-18	04/29/08			38.22			3,637.46
MW-18	05/09/08			36.22			3,639.46
MW-18	06/11/08			36.27			3,639.41
MW-18	06/20/08			36.37			3,639.31
MW-18	08/19/08			36.37			3,639.31
MW-18	08/20/08			36.38			3,639.30
MW-18	11/18/08			36.51			3,639.17
MW-18	12/18/08			36.55			3,639.13
MW-18	01/13/09			36.56			3,639.12
MW-18	03/03/09			36.64			3,639.04
MW-18	06/24/09			36.84			3,638.84
MW-18	08/11/09			36.94			3,638.74
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			

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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	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-19	08/19/08			36.33			3,638.63
MW-19	08/20/08			36.32			3,638.64
MW-19	11/18/08			36.44			3,638.52
MW-19	12/18/08			36.48			3,638.48
MW-19	01/13/09			36.50			3,638.46
MW-19	03/03/09			36.57			3,638.39
MW-19	06/24/09			36.76			3,638.20
MW-19	08/11/09			36.85			3,638.11
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
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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-20	08/19/08			36.39			3,637.99
MW-20	08/20/08			36.38			3,638.00
MW-20	11/18/08			36.51			3,637.87
MW-20	12/18/08			36.55			3,637.83
MW-20	01/13/09			36.56			3,637.82
MW-20	03/03/09			36.64			3,637.74
MW-20	06/24/09			36.81			3,637.57
MW-20	08/11/09			36.92			3,637.46
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-21	08/19/08			36.70			3,637.68
MW-21	08/20/08			36.71			3,637.67
MW-21	11/18/08			36.82			3,637.56
MW-21	12/18/08			36.87			3,637.51
MW-21	01/13/09			36.88			3,637.50
MW-21	03/03/09			36.95			3,637.43
MW-21	06/24/09			37.11			3,637.27

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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-21	08/11/09			37.22			3,637.16
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
MW-22	08/19/08			36.48			3,637.59
MW-22	08/20/08			36.49			3,637.58
MW-22	11/18/08			36.61			3,637.46
MW-22	12/18/08			36.66			3,637.41
MW-22	01/13/09			36.67			3,637.40
MW-22	03/03/09			36.75			3,637.32
MW-22	06/24/09			36.90			3,637.17
MW-22	08/11/09			37.01			3,637.06
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-23	08/19/08			36.33			3,636.06
MW-23	08/20/08			36.31			3,636.08
MW-23	11/18/08			36.33			3,636.06
MW-23	12/18/08			36.51			3,635.88
MW-23	01/13/09			36.51			3,635.88
MW-23	03/03/09			36.60			3,635.79
MW-23	06/24/09			36.74			3,635.65
MW-23	08/11/09			36.82			3,635.57

TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
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-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
MW-24	08/19/08			36.20			3,636.59
MW-24	08/20/08			36.20			3,636.59
MW-24	11/18/08			36.46			3,636.33
MW-24	12/18/08			36.38			3,636.41
MW-24	01/13/09			36.38			3,636.41
MW-24	03/03/09			36.45			3,636.34
MW-24	06/24/09			36.61			3,636.18
MW-24	08/11/09			36.05			3,636.74

Total manual recovery 159.50

Approximate system recovery 76.60 bbls

[illegible]

[illegible]

[illegible]

[illegible]

TABLE 2
SUMMARY OF BTEX GROUNDWATER ANALYTICAL DATA
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE - SRS# 2003-00017
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.018.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene
MW-1	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/12/09	**34.8**	**14.4**	**4.57**	**7.47**
MW-2	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/11/09	**31.7**	**23.6**	**8.75**	**13.9**
MW-3	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/11/09	**34.5**	**15.6**	**3.48**	**5.56**
MW-4	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/11/09	**45.1**	**19.8**	**6.40**	**12.1**
MW-5	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/12/09	**15.0**	**6.31**	**0.856**	**1.47**
MW-6	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/12/09	**39.8**	**21.8**	**4.60**	**7.09**
MW-7	03/03/09	Not Scheduled To Sample 1st Quarter			
	06/24/09	Not Scheduled To Sample 2nd Quarter			
	08/12/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-8	03/03/09	Not Scheduled To Sample 1st Quarter			
	06/24/09	Not Scheduled To Sample 2nd Quarter			
	08/12/09	0.00880	<0.00100	<0.00100	<0.00100
MW-9	03/03/09	Not Scheduled To Sample 1st Quarter			
	06/24/09	Not Scheduled To Sample 2nd Quarter			
	08/12/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-10	03/04/09	**8.59**	<0.100	**0.771**	<0.100
	06/24/09	**5.62**	0.489	**0.874**	<0.100
	08/12/09	**3.60**	0.534	0.491	<0.100

TABLE 2
SUMMARY OF BTEX GROUNDWATER ANALYTICAL DATA
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE - SRS# 2003-00017
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.018.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene
MW-11	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/12/09	**21.8**	**20.5**	**5.13**	**7.68**
MW-12	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/12/09	**26.8**	**9.12**	**2.40**	**3.53**
MW-13	03/03/09	Not Scheduled To Sample 1st Quarter			
	06/24/09	Not Scheduled To Sample 2nd Quarter			
	08/12/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-14	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/11/09	**31.2**	**16.9**	**3.25**	**4.94**
MW-15	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/12/09	**29.5**	**30.1**	**9.27**	**15.0**
MW-16	03/03/09	0.00150	<0.00100	<0.00100	<0.00100
	06/24/09	0.00570	<0.00100	<0.00100	<0.00100
	08/12/09	<0.00100	0.00530	<0.00100	0.0108
MW-17	03/03/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	06/24/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
	08/11/09	**32.9**	**12.9**	**2.92**	**4.86**
MW-18	03/04/09	**0.0162**	0.00160	0.00320	0.00220
	06/24/09	0.00660	<0.00100	<0.00100	<0.00100
	08/12/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-19	03/03/09	<0.00100	<0.00100	<0.00100	<0.00100
	06/24/09	**0.0107**	0.00580	<0.00100	<0.00100
	08/12/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-20	03/03/09	**18.2**	<0.0500	**1.610**	**0.671**
	06/24/09	**15.5**	0.516	**1.27**	**1.09**
	08/12/09	**21.1**	**1.14**	**1.65**	**1.46**

TABLE 2
SUMMARY OF BTEX GROUNDWATER ANALYTICAL DATA
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE - SRS# 2003-00017
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.018.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene
MW-21	03/03/09	**1.42**	<0.0200	0.724	0.0372
	06/24/09	**0.834**	<0.0200	0.486	<0.0200
	08/12/09	**0.454**	<0.0200	0.282	0.190
MW-22	03/03/09	0.00160	<0.00100	<0.00100	0.00100
	06/24/09	0.00660	<0.00100	0.00570	0.0294
	08/12/09	<0.00100	<0.00100	<0.00100	0.0163
MW-23	03/04/09	0.00560	<0.00100	<0.00100	<0.00100
	06/24/09	0.00510	<0.00100	<0.00100	<0.00100
	08/12/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-24	03/04/09	0.00570	<0.00100	0.00250	0.00140
	06/24/09	0.00590	<0.00100	<0.00100	<0.00100
	08/12/09	<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*
Monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17 were sampled at the request of the NMOCD even though they contain PSH.

TABLE 3 - SUMMARY OF PAH (MONITOR WELLS NOT CONTAINING PSH)
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE - SRS# 2003-00017
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO
TALON /LPE PROJECT NUMBER 700376.0118.01

All concentrations are in mg/L

Sample Location	Sample Date	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[g,h,i]-perylene	Benzo[k]-fluoranthene	Chrysene	Dibenzo[a,h]-anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno[1,2,3-cd]-pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-7	08/12/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-8	08/12/09	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.00112	<0.000186	<0.000186	<0.000186	<0.000186	0.000263	0.000204	<0.000186	<0.000186
MW-9	08/12/09	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000190	<0.000186	<0.000186	<0.000186
MW-10	08/12/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000380	<0.000185	<0.000185	<0.000185	0.00497	0.00312	0.00492	<0.000185	<0.000185
MW-13	08/12/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-16	08/12/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000377	0.000361	0.000255	<0.000185	<0.000185
MW-18	08/12/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-19	08/12/09	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
MW-20	08/12/09	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	0.000588	<0.000187	0.000802	<0.000187	<0.000187
MW-21	08/12/09	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187
MW-22	08/12/09	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188
MW-23	08/12/09	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
MW-24	08/12/09	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
NMWQCC Remedial Limits						0.007												0.030		

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

TABLE 4 - SUMMARY OF TPH AND PAH (MONITOR WELLS CONTAINING PSH)
PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE - SRS# 2003-00017
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.018.01

All concentrations are in mg/L

Sample Location	Sample Date	TPH DRO	TPH GRO	Total TPH	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluoranthene	Benzo[g,h,i]-perylene	Benzo[k]-fluoranthene	Chrysene	Dibenzo[a,h]-anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno[1,2,3-cd]-pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
MW-1	08/12/09	555	163	718	<0.000935	<0.000935	0.0234	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	0.170	<0.000935	<0.000935	<0.000935	1.94	1.90	**0.784**	0.276	<0.000935
MW-2	08/11/09	1500	287	1787	<0.00187	<0.00187	0.0696	<0.00187	<0.00187	<0.00187	<0.00187	<0.00187	<0.00187	<0.00187	0.503	<0.00187	<0.00187	<0.00187	7.15	6.85	**3.21**	0.785	<0.00187
MW-3	08/11/09	723	175	898	<0.000939	<0.000939	<0.000939	<0.000939	<0.000939	<0.000939	<0.000939	<0.000939	<0.000939	<0.000939	0.126	<0.000939	<0.000939	<0.000939	1.33	1.30	**0.551**	0.199	<0.000939
MW-4	08/11/09	909	180	1089	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	0.574	<0.00186	<0.00186	<0.00186	7.75	7.80	**3.69**	0.914	<0.00186
MW-5	08/12/09	185	59.7	244.7	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	<0.00465	0.0240	<0.00465	<0.00465	<0.00465	0.192	0.184	**0.0489**	0.0414	<0.00465
MW-6	08/12/09	325	198	523	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.332	<0.000922	<0.000922	<0.000922	4.46	4.80	**2.12**	0.542	<0.000922
MW-11	08/12/09	796	162	958	<0.00188	<0.00188	0.0629	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	<0.00188	0.567	<0.00188	0.518	<0.00188	7.19	6.97	**3.40**	0.860	<0.00188
MW-12	08/12/09	29.2	95.6	124.8	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.0216	<0.000200	<0.000200	<0.000200	0.211	0.204	**0.106**	0.0331	<0.000200
MW-14	08/11/09	540	140	680	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	0.0434	<0.000935	<0.000935	<0.000935	0.442	0.429	**0.193**	0.0671	<0.000935
MW-15	08/12/09	96.6	329	425.6	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.237	<0.000922	0.226	<0.000922	3.07	3.02	**1.37**	0.377	<0.000922
MW-17	08/11/09	<5.00	111	111	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0194	<0.000184	<0.000184	<0.000184	0.189	0.186	**0.102**	0.0283	<0.000184
NMWQCC Remedial Limits									0.0007												0.030		

[1] ***Bolded*** *values are in excess of the NMWQCC Remediation Thresholds*
BTEX, TPH and PAH analysis per the NMOCD in monitor wells that contain PSH

Appendix C

Laboratory Analytical Data Reports and Chain of Custody Documentation

TRACEANALYSIS, INC.

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

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: August 26, 2009

Work Order: 9081236

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
205616	MW-1	water	2009-08-12	10:40	2009-08-12
205617	MW-2	water	2009-08-11	14:40	2009-08-12
205618	MW-3	water	2009-08-11	15:15	2009-08-12
205619	MW-4	water	2009-08-11	15:00	2009-08-12
205620	MW-5	water	2009-08-12	10:55	2009-08-12
205621	MW-6	water	2009-08-12	12:24	2009-08-12
205622	MW-7	water	2009-08-12	13:05	2009-08-12
205623	MW-8	water	2009-08-12	12:58	2009-08-12
205624	MW-9	water	2009-08-12	12:50	2009-08-12

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
205625	MW-10	water	2009-08-12	12:40	2009-08-12
205626	MW-11	water	2009-08-12	11:21	2009-08-12
205627	MW-12	water	2009-08-12	12:00	2009-08-12
205628	MW-13	water	2009-08-12	10:55	2009-08-12
205629	MW-14	water	2009-08-11	14:25	2009-08-12
205630	MW-15	water	2009-08-12	11:38	2009-08-12
205631	MW-16	water	2009-08-12	11:45	2009-08-12
205632	MW-17	water	2009-08-11	14:00	2009-08-12
205633	MW-18	water	2009-08-12	11:30	2009-08-12
205634	MW-19	water	2009-08-12	13:50	2009-08-12
205635	MW-20	water	2009-08-12	11:55	2009-08-12
205636	MW-21	water	2009-08-12	12:05	2009-08-12
205637	MW-22	water	2009-08-12	12:00	2009-08-12
205638	MW-23	water	2009-08-12	12:20	2009-08-12
205639	MW-24	water	2009-08-12	12:10	2009-08-12

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.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

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 2009-08-12 and assigned to work order 9081236. Samples for work order 9081236 were received intact without headspace and at a temperature of 3.4 deg. C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	53287	2009-08-13 at 09:31	62460	2009-08-13 at 09:31
BTEX	S 8021B	53322	2009-08-14 at 10:51	62501	2009-08-14 at 10:51
BTEX	S 8021B	53323	2009-08-14 at 10:51	62503	2009-08-15 at 04:37
BTEX	S 8021B	53460	2009-08-18 at 09:11	62649	2009-08-18 at 09:11
PAH	S 8270C	53458	2009-08-18 at 15:00	62647	2009-08-18 at 17:50
PAH	S 8270C	53688	2009-08-19 at 15:00	62896	2009-08-26 at 10:25
TPH DRO	Mod. 8015B	53426	2009-08-17 at 14:31	62607	2009-08-17 at 14:31
TPH DRO	Mod. 8015B	53539	2009-08-21 at 09:38	62741	2009-08-21 at 09:38
TPH GRO	S 8015B	53322	2009-08-14 at 10:51	62502	2009-08-14 at 10:51
TPH GRO	S 8015B	53460	2009-08-18 at 09:11	62650	2009-08-18 at 09:11

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 9081236 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: 205616 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**34.8**	mg/L	200	0.00100
Toluene		**14.4**	mg/L	200	0.00100
Ethylbenzene		**4.57**	mg/L	200	0.00100
Xylene		**7.47**	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		20.7	mg/L	200	20.0	104	87 - 105.2
4-Bromofluorobenzene (4-BFB)		24.7	mg/L	200	20.0	124	49.8 - 130.8

Sample: 205616 - MW-1

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[1]	**0.784**	mg/L	4.673	0.000200
2-Methylnaphthalene	[2]	**1.90**	mg/L	4.673	0.000200
1-Methylnaphthalene	[3]	**1.94**	mg/L	4.673	0.000200
Acenaphthylene		<0.000935	mg/L	4.673	0.000200
Acenaphthene		<0.000935	mg/L	4.673	0.000200
Dibenzofuran		**0.170**	mg/L	4.673	0.000200
Fluorene		<0.000935	mg/L	4.673	0.000200
Anthracene		**0.0234**	mg/L	4.673	0.000200
Phenanthrene		**0.276**	mg/L	4.673	0.000200
Fluoranthene		<0.000935	mg/L	4.673	0.000200
Pyrene		<0.000935	mg/L	4.673	0.000200
Benzo(a)anthracene		<0.000935	mg/L	4.673	0.000200
Chrysene		<0.000935	mg/L	4.673	0.000200

continued ...

[1]Estimated concentration value greater than standard range.
[2]Estimated concentration value greater than standard range.
[3]Estimated concentration value greater than standard range.

sample 205616 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(b)fluoranthene		<0.000935	mg/L	4.673	0.000200
Benzo(k)fluoranthene		<0.000935	mg/L	4.673	0.000200
Benzo(a)pyrene		<0.000935	mg/L	4.673	0.000200
Indeno(1,2,3-cd)pyrene		<0.000935	mg/L	4.673	0.000200
Dibenzo(a,h)anthracene		<0.000935	mg/L	4.673	0.000200
Benzo(g,h,i)perylene		<0.000935	mg/L	4.673	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0379	mg/L	4.673	0.0800	47	25.9 - 97.5
2-Fluorobiphenyl		0.0387	mg/L	4.673	0.0800	48	13.9 - 100
Terphenyl-d14		0.0560	mg/L	4.673	0.0800	70	37.7 - 114

Sample: 205616 - MW-1

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**555**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[4]	27.1	mg/L	10	10.0	271	70 - 130

Sample: 205616 - MW-1

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**163**	mg/L	200	0.100

[4]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		20.0	mg/L	200	20.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[5]	28.3	mg/L	200	20.0	142	70 - 130

Sample: 205617 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62460	Date Analyzed:	2009-08-13	Analyzed By:	ME
Prep Batch:	53287	Sample Preparation:	2009-08-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**31.7**	mg/L	100	0.00100
Toluene		**23.6**	mg/L	100	0.00100
Ethylbenzene		**8.75**	mg/L	100	0.00100
Xylene		**13.9**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.99	mg/L	100	10.0	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		12.8	mg/L	100	10.0	128	49.8 - 130.8

Sample: 205617 - MW-2

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[6]	**3.21**	mg/L	9.346	0.000200
2-Methylnaphthalene	[7]	**6.85**	mg/L	9.346	0.000200
1-Methylnaphthalene	[8]	**7.15**	mg/L	9.346	0.000200
Acenaphthylene		<0.00187	mg/L	9.346	0.000200
Acenaphthene		<0.00187	mg/L	9.346	0.000200
Dibenzofuran		**0.503**	mg/L	9.346	0.000200
Fluorene		<0.00187	mg/L	9.346	0.000200
Anthracene		**0.0696**	mg/L	9.346	0.000200
Phenanthrene		**0.785**	mg/L	9.346	0.000200
Fluoranthene		<0.00187	mg/L	9.346	0.000200

[5]High surrogate recovery due to peak interference.

continued ...

[6]Estimated concentration value greater than standard range.
[7]Estimated concentration value greater than standard range.
[8]Estimated concentration value greater than standard range.

sample 205617 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.00187	mg/L	9.346	0.000200
Benzo(a)anthracene		<0.00187	mg/L	9.346	0.000200
Chrysene		<0.00187	mg/L	9.346	0.000200
Benzo(b)fluoranthene		<0.00187	mg/L	9.346	0.000200
Benzo(k)fluoranthene		<0.00187	mg/L	9.346	0.000200
Benzo(a)pyrene		<0.00187	mg/L	9.346	0.000200
Indeno(1,2,3-cd)pyrene		<0.00187	mg/L	9.346	0.000200
Dibenzo(a,h)anthracene		<0.00187	mg/L	9.346	0.000200
Benzo(g,h,i)perylene		<0.00187	mg/L	9.346	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[9]	0.113	mg/L	9.346	0.0800	141	25.9 - 97.5
2-Fluorobiphenyl		0.0444	mg/L	9.346	0.0800	56	13.9 - 100
Terphenyl-d14		0.0424	mg/L	9.346	0.0800	53	37.7 - 114

Sample: 205617 - MW-2

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**1500**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[10]	80.4	mg/L	10	10.0	804	70 - 130

Sample: 205617 - MW-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**287**	mg/L	100	0.100

[9]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[10]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.2	mg/L	100	10.0	102	70 - 130
4-Bromofluorobenzene (4-BFB)	[11]	15.6	mg/L	100	10.0	156	70 - 130

Sample: 205618 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62460	Date Analyzed:	2009-08-13	Analyzed By:	ME
Prep Batch:	53287	Sample Preparation:	2009-08-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**34.5**	mg/L	100	0.00100
Toluene		**15.6**	mg/L	100	0.00100
Ethylbenzene		**3.48**	mg/L	100	0.00100
Xylene		**5.56**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.95	mg/L	100	10.0	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		11.6	mg/L	100	10.0	116	49.8 - 130.8

Sample: 205618 - MW-3

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[12]	**0.551**	mg/L	4.695	0.000200
2-Methylnaphthalene	[13]	**1.30**	mg/L	4.695	0.000200
1-Methylnaphthalene	[14]	**1.33**	mg/L	4.695	0.000200
Acenaphthylene		<0.000939	mg/L	4.695	0.000200
Acenaphthene		<0.000939	mg/L	4.695	0.000200
Dibenzofuran		**0.126**	mg/L	4.695	0.000200
Fluorene		<0.000939	mg/L	4.695	0.000200
Anthracene		<0.000939	mg/L	4.695	0.000200
Phenanthrene		**0.199**	mg/L	4.695	0.000200
Fluoranthene		<0.000939	mg/L	4.695	0.000200

[11]High surrogate recovery due to peak interference.

continued ...

[12]Estimated concentration value greater than standard range.
[13]Estimated concentration value greater than standard range.
[14]Estimated concentration value greater than standard range.

sample 205618 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.000939	mg/L	4.695	0.000200
Benzo(a)anthracene		<0.000939	mg/L	4.695	0.000200
Chrysene		<0.000939	mg/L	4.695	0.000200
Benzo(b)fluoranthene		<0.000939	mg/L	4.695	0.000200
Benzo(k)fluoranthene		<0.000939	mg/L	4.695	0.000200
Benzo(a)pyrene		<0.000939	mg/L	4.695	0.000200
Indeno(1,2,3-cd)pyrene		<0.000939	mg/L	4.695	0.000200
Dibenzo(a,h)anthracene		<0.000939	mg/L	4.695	0.000200
Benzo(g,h,i)perylene		<0.000939	mg/L	4.695	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0272	mg/L	4.695	0.0800	34	25.9 - 97.5
2-Fluorobiphenyl		0.0266	mg/L	4.695	0.0800	33	13.9 - 100
Terphenyl-d14	[15]	0.0289	mg/L	4.695	0.0800	36	37.7 - 114

Sample: 205618 - MW-3

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**723**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[16]	43.0	mg/L	10	10.0	430	70 - 130

Sample: 205618 - MW-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**175**	mg/L	100	0.100

[15] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[16] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.98	mg/L	100	10.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[17]	14.1	mg/L	100	10.0	141	70 - 130

Sample: 205619 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**45.1**	mg/L	500	0.00100
Toluene		**19.8**	mg/L	500	0.00100
Ethylbenzene		**6.40**	mg/L	500	0.00100
Xylene		**12.1**	mg/L	500	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		50.3	mg/L	500	50.0	101	87 - 105.2
4-Bromofluorobenzene (4-BFB)		56.7	mg/L	500	50.0	113	49.8 - 130.8

Sample: 205619 - MW-4

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[18]	**3.69**	mg/L	9.302	0.000200
2-Methylnaphthalene	[19]	**7.80**	mg/L	9.302	0.000200
1-Methylnaphthalene	[20]	**7.75**	mg/L	9.302	0.000200
Acenaphthylene		<0.00186	mg/L	9.302	0.000200
Acenaphthene		<0.00186	mg/L	9.302	0.000200
Dibenzofuran		**0.574**	mg/L	9.302	0.000200
Fluorene		<0.00186	mg/L	9.302	0.000200
Anthracene		<0.00186	mg/L	9.302	0.000200
Phenanthrene		**0.914**	mg/L	9.302	0.000200
Fluoranthene		<0.00186	mg/L	9.302	0.000200

[17]High surrogate recovery due to peak interference.

continued ...

[18]Estimated concentration value greater than standard range.
[19]Estimated concentration value greater than standard range.
[20]Estimated concentration value greater than standard range.

sample 205619 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.00186	mg/L	9.302	0.000200
Benzo(a)anthracene		<0.00186	mg/L	9.302	0.000200
Chrysene		<0.00186	mg/L	9.302	0.000200
Benzo(b)fluoranthene		<0.00186	mg/L	9.302	0.000200
Benzo(k)fluoranthene		<0.00186	mg/L	9.302	0.000200
Benzo(a)pyrene		<0.00186	mg/L	9.302	0.000200
Indeno(1,2,3-cd)pyrene		<0.00186	mg/L	9.302	0.000200
Dibenzo(a,h)anthracene		<0.00186	mg/L	9.302	0.000200
Benzo(g,h,i)perylene		<0.00186	mg/L	9.302	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[21]	0.134	mg/L	9.302	0.0800	168	25.9 - 97.5
2-Fluorobiphenyl		0.0501	mg/L	9.302	0.0800	63	13.9 - 100
Terphenyl-d14		0.0443	mg/L	9.302	0.0800	55	37.7 - 114

Sample: 205619 - MW-4

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**909**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[22]	54.0	mg/L	10	10.0	540	70 - 130

Sample: 205619 - MW-4

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**180**	mg/L	500	0.100

[21] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[22] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		49.5	mg/L	500	50.0	99	70 - 130
4-Bromofluorobenzene (4-BFB)	[23]	65.4	mg/L	500	50.0	131	70 - 130

Sample: 205620 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**15.0**	mg/L	50	0.00100
Toluene		**6.31**	mg/L	50	0.00100
Ethylbenzene		**0.856**	mg/L	50	0.00100
Xylene		**1.47**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.08	mg/L	50	5.00	102	87 - 105.2
4-Bromofluorobenzene (4-BFB)		5.77	mg/L	50	5.00	115	49.8 - 130.8

Sample: 205620 - MW-5

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.0489**	mg/L	23.256	0.000200
2-Methylnaphthalene		**0.184**	mg/L	23.256	0.000200
1-Methylnaphthalene		**0.192**	mg/L	23.256	0.000200
Acenaphthylene		<0.00465	mg/L	23.256	0.000200
Acenaphthene		<0.00465	mg/L	23.256	0.000200
Dibenzofuran		**0.0240**	mg/L	23.256	0.000200
Fluorene		<0.00465	mg/L	23.256	0.000200
Anthracene		<0.00465	mg/L	23.256	0.000200
Phenanthrene		**0.0414**	mg/L	23.256	0.000200
Fluoranthene		<0.00465	mg/L	23.256	0.000200
Pyrene		<0.00465	mg/L	23.256	0.000200
Benzo(a)anthracene		<0.00465	mg/L	23.256	0.000200

[23]High surrogate recovery due to peak interference.

continued ...

sample 205620 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chrysene		<0.00465	mg/L	23.256	0.000200
Benzo(b)fluoranthene		<0.00465	mg/L	23.256	0.000200
Benzo(k)fluoranthene		<0.00465	mg/L	23.256	0.000200
Benzo(a)pyrene		<0.00465	mg/L	23.256	0.000200
Indeno(1,2,3-cd)pyrene		<0.00465	mg/L	23.256	0.000200
Dibenzo(a,h)anthracene		<0.00465	mg/L	23.256	0.000200
Benzo(g,h,i)perylene		<0.00465	mg/L	23.256	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0280	mg/L	23.256	0.0800	35	25.9 - 97.5
2-Fluorobiphenyl		0.0175	mg/L	23.256	0.0800	22	13.9 - 100
Terphenyl-d14	[24]	0.0232	mg/L	23.256	0.0800	29	37.7 - 114

Sample: 205620 - MW-5

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**185**	mg/L	5	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[25]	20.5	mg/L	5	10.0	205	70 - 130

Sample: 205620 - MW-5

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**59.7**	mg/L	50	0.100

[24] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[25] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.98	mg/L	50	5.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[26]	6.54	mg/L	50	5.00	131	70 - 130

Sample: 205621 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**39.8**	mg/L	100	0.00100
Toluene		**21.8**	mg/L	100	0.00100
Ethylbenzene		**4.60**	mg/L	100	0.00100
Xylene		**7.09**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.98	mg/L	100	10.0	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		12.2	mg/L	100	10.0	122	49.8 - 130.8

Sample: 205621 - MW-6

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[27]	**2.12**	mg/L	4.608	0.000200
2-Methylnaphthalene	[28]	**4.80**	mg/L	4.608	0.000200
1-Methylnaphthalene	[29]	**4.46**	mg/L	4.608	0.000200
Acenaphthylene		<0.000922	mg/L	4.608	0.000200
Acenaphthene		<0.000922	mg/L	4.608	0.000200
Dibenzofuran		**0.332**	mg/L	4.608	0.000200
Fluorene		<0.000922	mg/L	4.608	0.000200
Anthracene		<0.000922	mg/L	4.608	0.000200
Phenanthrene		**0.542**	mg/L	4.608	0.000200
Fluoranthene		<0.000922	mg/L	4.608	0.000200

[26]High surrogate recovery due to peak interference.

continued ...

[27]Estimated concentration value greater than standard range.
[28]Estimated concentration value greater than standard range.
[29]Estimated concentration value greater than standard range.

sample 205621 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.000922	mg/L	4.608	0.000200
Benzo(a)anthracene		<0.000922	mg/L	4.608	0.000200
Chrysene		<0.000922	mg/L	4.608	0.000200
Benzo(b)fluoranthene		<0.000922	mg/L	4.608	0.000200
Benzo(k)fluoranthene		<0.000922	mg/L	4.608	0.000200
Benzo(a)pyrene		<0.000922	mg/L	4.608	0.000200
Indeno(1,2,3-cd)pyrene		<0.000922	mg/L	4.608	0.000200
Dibenzo(a,h)anthracene		<0.000922	mg/L	4.608	0.000200
Benzo(g,h,i)perylene		<0.000922	mg/L	4.608	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[30]	0.0908	mg/L	4.608	0.0800	114	25.9 - 97.5
2-Fluorobiphenyl		0.0365	mg/L	4.608	0.0800	46	13.9 - 100
Terphenyl-d14		0.0338	mg/L	4.608	0.0800	42	37.7 - 114

Sample: 205621 - MW-6

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**325**	mg/L	5	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[31]	27.0	mg/L	5	10.0	270	70 - 130

Sample: 205621 - MW-6

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**198**	mg/L	100	0.100

[30] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[31] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.68	mg/L	100	10.0	97	70 - 130
4-Bromofluorobenzene (4-BFB)	[32]	13.9	mg/L	100	10.0	139	70 - 130

Sample: 205622 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	49.8 - 130.8

Sample: 205622 - MW-7

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000184	mg/L	0.922	0.000200
2-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
1-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
Acenaphthylene		<0.000184	mg/L	0.922	0.000200
Acenaphthene		<0.000184	mg/L	0.922	0.000200
Dibenzofuran		<0.000184	mg/L	0.922	0.000200
Fluorene		<0.000184	mg/L	0.922	0.000200
Anthracene		<0.000184	mg/L	0.922	0.000200
Phenanthrene		<0.000184	mg/L	0.922	0.000200
Fluoranthene		<0.000184	mg/L	0.922	0.000200
Pyrene		<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene		<0.000184	mg/L	0.922	0.000200

[32]High surrogate recovery due to peak interference.

continued ...

sample 205622 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chrysene		<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene		<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene		<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene		<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[33]	0.0166	mg/L	0.922	0.0800	21	25.9 - 97.5
2-Fluorobiphenyl		0.0191	mg/L	0.922	0.0800	24	13.9 - 100
Terphenyl-d14		0.0487	mg/L	0.922	0.0800	61	37.7 - 114

Sample: 205623 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00880**	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)		0.103	mg/L	1	0.100	103	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	49.8 - 130.8

Sample: 205623 - MW-8

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

[33] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.000204**	mg/L	0.93	0.000200
2-Methylnaphthalene		**0.000263**	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		**0.00112**	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0324	mg/L	0.93	0.0800	40	25.9 - 97.5
2-Fluorobiphenyl		0.0325	mg/L	0.93	0.0800	41	13.9 - 100
Terphenyl-d14		0.0424	mg/L	0.93	0.0800	53	37.7 - 114

Sample: 205624 - MW-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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)		0.0972	mg/L	1	0.100	97	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0987	mg/L	1	0.100	99	49.8 - 130.8

Sample: 205624 - MW-9

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000186	mg/L	0.93	0.000200
2-Methylnaphthalene		**0.000190**	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		<0.000186	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[34]	0.0184	mg/L	0.93	0.0800	23	25.9 - 97.5
2-Fluorobiphenyl		0.0206	mg/L	0.93	0.0800	26	13.9 - 100
Terphenyl-d14		0.0365	mg/L	0.93	0.0800	46	37.7 - 114

Sample: 205625 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**3.60**	mg/L	100	0.00100
Toluene		**0.534**	mg/L	100	0.00100
Ethylbenzene		**0.491**	mg/L	100	0.00100

[34] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Continued ...

sample 205625 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.100	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.91	mg/L	100	10.0	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		9.93	mg/L	100	10.0	99	49.8 - 130.8

Sample: 205625 - MW-10

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.00492**	mg/L	0.926	0.000200
2-Methylnaphthalene		**0.00312**	mg/L	0.926	0.000200
1-Methylnaphthalene		**0.00497**	mg/L	0.926	0.000200
Acenaphthylene		<0.000185	mg/L	0.926	0.000200
Acenaphthene		<0.000185	mg/L	0.926	0.000200
Dibenzofuran		**0.000380**	mg/L	0.926	0.000200
Fluorene		<0.000185	mg/L	0.926	0.000200
Anthracene		<0.000185	mg/L	0.926	0.000200
Phenanthrene		<0.000185	mg/L	0.926	0.000200
Fluoranthene		<0.000185	mg/L	0.926	0.000200
Pyrene		<0.000185	mg/L	0.926	0.000200
Benzo(a)anthracene		<0.000185	mg/L	0.926	0.000200
Chrysene		<0.000185	mg/L	0.926	0.000200
Benzo(b)fluoranthene		<0.000185	mg/L	0.926	0.000200
Benzo(k)fluoranthene		<0.000185	mg/L	0.926	0.000200
Benzo(a)pyrene		<0.000185	mg/L	0.926	0.000200
Indeno(1,2,3-cd)pyrene		<0.000185	mg/L	0.926	0.000200
Dibenzo(a,h)anthracene		<0.000185	mg/L	0.926	0.000200
Benzo(g,h,i)perylene		<0.000185	mg/L	0.926	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0320	mg/L	0.926	0.0800	40	25.9 - 97.5
2-Fluorobiphenyl		0.0319	mg/L	0.926	0.0800	40	13.9 - 100
Terphenyl-d14		0.0425	mg/L	0.926	0.0800	53	37.7 - 114

Sample: 205626 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**21.8**	mg/L	100	0.00100
Toluene		**20.5**	mg/L	100	0.00100
Ethylbenzene		**5.13**	mg/L	100	0.00100
Xylene		**7.68**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.0	mg/L	100	10.0	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		11.6	mg/L	100	10.0	116	49.8 - 130.8

Sample: 205626 - MW-11

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[35]	**3.40**	mg/L	9.39	0.000200
2-Methylnaphthalene	[36]	**6.97**	mg/L	9.39	0.000200
1-Methylnaphthalene	[37]	**7.19**	mg/L	9.39	0.000200
Acenaphthylene		<0.00188	mg/L	9.39	0.000200
Acenaphthene		<0.00188	mg/L	9.39	0.000200
Dibenzofuran		**0.567**	mg/L	9.39	0.000200
Fluorene		**0.518**	mg/L	9.39	0.000200
Anthracene		**0.0629**	mg/L	9.39	0.000200
Phenanthrene		**0.860**	mg/L	9.39	0.000200
Fluoranthene		<0.00188	mg/L	9.39	0.000200
Pyrene		<0.00188	mg/L	9.39	0.000200
Benzo(a)anthracene		<0.00188	mg/L	9.39	0.000200
Chrysene		<0.00188	mg/L	9.39	0.000200
Benzo(b)fluoranthene		<0.00188	mg/L	9.39	0.000200
Benzo(k)fluoranthene		<0.00188	mg/L	9.39	0.000200

continued . . .

[35]Estimated concentration value greater than standard range.
[36]Estimated concentration value greater than standard range.
[37]Estimated concentration value greater than standard range.

sample 205626 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.00188	mg/L	9.39	0.000200
Indeno(1,2,3-cd)pyrene		<0.00188	mg/L	9.39	0.000200
Dibenzo(a,h)anthracene		<0.00188	mg/L	9.39	0.000200
Benzo(g,h,i)perylene		<0.00188	mg/L	9.39	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[38]	0.0983	mg/L	9.39	0.0800	123	25.9 - 97.5
2-Fluorobiphenyl		0.0466	mg/L	9.39	0.0800	58	13.9 - 100
Terphenyl-d14		0.0484	mg/L	9.39	0.0800	60	37.7 - 114

Sample: 205626 - MW-11

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**796**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[39]	50.5	mg/L	10	10.0	505	70 - 130

Sample: 205626 - MW-11

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**162**	mg/L	100	0.100

[38]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[39]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.96	mg/L	100	10.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[40]	13.4	mg/L	100	10.0	134	70 - 130

Sample: 205627 - MW-12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**26.8**	mg/L	100	0.00100
Toluene		**9.12**	mg/L	100	0.00100
Ethylbenzene		**2.40**	mg/L	100	0.00100
Xylene		**3.53**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.1	mg/L	100	10.0	101	87 - 105.2
4-Bromofluorobenzene (4-BFB)		10.6	mg/L	100	10.0	106	49.8 - 130.8

Sample: 205627 - MW-12

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[41]	**0.106**	mg/L	1	0.000200
2-Methylnaphthalene	[42]	**0.204**	mg/L	1	0.000200
1-Methylnaphthalene	[43]	**0.211**	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		**0.0216**	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		**0.0331**	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200

[40] High surrogate recovery due to peak interference.

continued ...

[41] Estimated concentration value greater than standard range.
[42] Estimated concentration value greater than standard range.
[43] Estimated concentration value greater than standard range.

sample 205627 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.000200	mg/L	1	0.000200
Benzo(a)anthracene		<0.000200	mg/L	1	0.000200
Chrysene		<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene		<0.000200	mg/L	1	0.000200
Benzo(a)pyrene		<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene		<0.000200	mg/L	1	0.000200
Dibenzo(a,h)anthracene		<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene		<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0367	mg/L	1	0.0800	46	25.9 - 97.5
2-Fluorobiphenyl		0.0447	mg/L	1	0.0800	56	13.9 - 100
Terphenyl-d14		0.0481	mg/L	1	0.0800	60	37.7 - 114

Sample: 205627 - MW-12

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**29.2**	mg/L	5	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.0	mg/L	5	10.0	120	70 - 130

Sample: 205627 - MW-12

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**95.6**	mg/L	100	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.94	mg/L	100	10.0	99	70 - 130
4-Bromofluorobenzene (4-BFB)		12.1	mg/L	100	10.0	121	70 - 130

Sample: 205628 - MW-13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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)		0.0989	mg/L	1	0.100	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0947	mg/L	1	0.100	95	49.8 - 130.8

Sample: 205628 - MW-13

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000184	mg/L	0.922	0.000200
2-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
1-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
Acenaphthylene		<0.000184	mg/L	0.922	0.000200
Acenaphthene		<0.000184	mg/L	0.922	0.000200
Dibenzofuran		<0.000184	mg/L	0.922	0.000200
Fluorene		<0.000184	mg/L	0.922	0.000200
Anthracene		<0.000184	mg/L	0.922	0.000200
Phenanthrene		<0.000184	mg/L	0.922	0.000200
Fluoranthene		<0.000184	mg/L	0.922	0.000200
Pyrene		<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene		<0.000184	mg/L	0.922	0.000200

continued ...

sample 205628 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chrysene		<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene		<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene		<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene		<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0284	mg/L	0.922	0.0800	36	25.9 - 97.5
2-Fluorobiphenyl		0.0284	mg/L	0.922	0.0800	36	13.9 - 100
Terphenyl-d14		0.0349	mg/L	0.922	0.0800	44	37.7 - 114

Sample: 205629 - MW-14

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**31.2**	mg/L	100	0.00100
Toluene		**16.9**	mg/L	100	0.00100
Ethylbenzene		**3.25**	mg/L	100	0.00100
Xylene		**4.94**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.86	mg/L	100	10.0	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		9.99	mg/L	100	10.0	100	49.8 - 130.8

Sample: 205629 - MW-14

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.193**	mg/L	4.673	0.000200
2-Methylnaphthalene		**0.429**	mg/L	4.673	0.000200
1-Methylnaphthalene		**0.442**	mg/L	4.673	0.000200
Acenaphthylene		<0.000935	mg/L	4.673	0.000200
Acenaphthene		<0.000935	mg/L	4.673	0.000200
Dibenzofuran		**0.0434**	mg/L	4.673	0.000200
Fluorene		<0.000935	mg/L	4.673	0.000200
Anthracene		<0.000935	mg/L	4.673	0.000200
Phenanthrene		**0.0671**	mg/L	4.673	0.000200
Fluoranthene		<0.000935	mg/L	4.673	0.000200
Pyrene		<0.000935	mg/L	4.673	0.000200
Benzo(a)anthracene		<0.000935	mg/L	4.673	0.000200
Chrysene		<0.000935	mg/L	4.673	0.000200
Benzo(b)fluoranthene		<0.000935	mg/L	4.673	0.000200
Benzo(k)fluoranthene		<0.000935	mg/L	4.673	0.000200
Benzo(a)pyrene		<0.000935	mg/L	4.673	0.000200
Indeno(1,2,3-cd)pyrene		<0.000935	mg/L	4.673	0.000200
Dibenzo(a,h)anthracene		<0.000935	mg/L	4.673	0.000200
Benzo(g,h,i)perylene		<0.000935	mg/L	4.673	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[44]	0.0156	mg/L	4.673	0.0800	20	25.9 - 97.5
2-Fluorobiphenyl		0.0179	mg/L	4.673	0.0800	22	13.9 - 100
Terphenyl-d14	[45]	0.0213	mg/L	4.673	0.0800	27	37.7 - 114

Sample: 205629 - MW-14

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62741	Date Analyzed:	2009-08-21	Analyzed By:	kg
Prep Batch:	53539	Sample Preparation:	2009-08-21	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**540**	mg/L	5	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[46]	48.0	mg/L	5	10.0	480	70 - 130

[44]Surrogate recovery outside control limits due to matrix effect. •
[45]Surrogate recovery outside control limits due to matrix effect. •
[46]High surrogate recovery due to peak interference.

Sample: 205629 - MW-14

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**140**	mg/L	100	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.72	mg/L	100	10.0	97	70 - 130
4-Bromofluorobenzene (4-BFB)		11.3	mg/L	100	10.0	113	70 - 130

Sample: 205630 - MW-15

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**29.5**	mg/L	100	0.00100
Toluene		**30.1**	mg/L	100	0.00100
Ethylbenzene		**9.27**	mg/L	100	0.00100
Xylene		**15.0**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.94	mg/L	100	10.0	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		11.3	mg/L	100	10.0	113	49.8 - 130.8

Sample: 205630 - MW-15

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

continued ...

sample 205630 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[47]	**1.37**	mg/L	4.608	0.000200
2-Methylnaphthalene	[48]	**3.02**	mg/L	4.608	0.000200
1-Methylnaphthalene	[49]	**3.07**	mg/L	4.608	0.000200
Acenaphthylene		<0.000922	mg/L	4.608	0.000200
Acenaphthene		<0.000922	mg/L	4.608	0.000200
Dibenzofuran		**0.237**	mg/L	4.608	0.000200
Fluorene		**0.226**	mg/L	4.608	0.000200
Anthracene		<0.000922	mg/L	4.608	0.000200
Phenanthrene		**0.377**	mg/L	4.608	0.000200
Fluoranthene		<0.000922	mg/L	4.608	0.000200
Pyrene		<0.000922	mg/L	4.608	0.000200
Benzo(a)anthracene		<0.000922	mg/L	4.608	0.000200
Chrysene		<0.000922	mg/L	4.608	0.000200
Benzo(b)fluoranthene		<0.000922	mg/L	4.608	0.000200
Benzo(k)fluoranthene		<0.000922	mg/L	4.608	0.000200
Benzo(a)pyrene		<0.000922	mg/L	4.608	0.000200
Indeno(1,2,3-cd)pyrene		<0.000922	mg/L	4.608	0.000200
Dibenzo(a,h)anthracene		<0.000922	mg/L	4.608	0.000200
Benzo(g,h,i)perylene		<0.000922	mg/L	4.608	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0457	mg/L	4.608	0.0800	57	25.9 - 97.5
2-Fluorobiphenyl		0.0137	mg/L	4.608	0.0800	17	13.9 - 100
Terphenyl-d14	[50]	0.0143	mg/L	4.608	0.0800	18	37.7 - 114

Sample: 205630 - MW-15

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62741	Date Analyzed:	2009-08-21	Analyzed By:	kg
Prep Batch:	53539	Sample Preparation:	2009-08-21	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**96.6**	mg/L	1	5.00

[47]Estimated concentration value greater than standard range.
[48]Estimated concentration value greater than standard range.
[49]Estimated concentration value greater than standard range.
[50]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[51]	16.5	mg/L	1	10.0	165	70 - 130

Sample: 205630 - MW-15

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**329**	mg/L	100	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.0	mg/L	100	10.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[52]	14.3	mg/L	100	10.0	143	70 - 130

Sample: 205631 - MW-16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		**0.00530**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0108**	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	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0938	mg/L	1	0.100	94	49.8 - 130.8

Sample: 205631 - MW-16

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

[51] High surrogate recovery due to peak interference.
[52] High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.000255**	mg/L	0.926	0.000200
2-Methylnaphthalene		**0.000361**	mg/L	0.926	0.000200
1-Methylnaphthalene		**0.000377**	mg/L	0.926	0.000200
Acenaphthylene		<0.000185	mg/L	0.926	0.000200
Acenaphthene		<0.000185	mg/L	0.926	0.000200
Dibenzofuran		<0.000185	mg/L	0.926	0.000200
Fluorene		<0.000185	mg/L	0.926	0.000200
Anthracene		<0.000185	mg/L	0.926	0.000200
Phenanthrene		<0.000185	mg/L	0.926	0.000200
Fluoranthene		<0.000185	mg/L	0.926	0.000200
Pyrene		<0.000185	mg/L	0.926	0.000200
Benzo(a)anthracene		<0.000185	mg/L	0.926	0.000200
Chrysene		<0.000185	mg/L	0.926	0.000200
Benzo(b)fluoranthene		<0.000185	mg/L	0.926	0.000200
Benzo(k)fluoranthene		<0.000185	mg/L	0.926	0.000200
Benzo(a)pyrene		<0.000185	mg/L	0.926	0.000200
Indeno(1,2,3-cd)pyrene		<0.000185	mg/L	0.926	0.000200
Dibenzo(a,h)anthracene		<0.000185	mg/L	0.926	0.000200
Benzo(g,h,i)perylene		<0.000185	mg/L	0.926	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[53]	0.0149	mg/L	0.926	0.0800	19	25.9 - 97.5
2-Fluorobiphenyl		0.0191	mg/L	0.926	0.0800	24	13.9 - 100
Terphenyl-d14		0.0443	mg/L	0.926	0.0800	55	37.7 - 114

Sample: 205632 - MW-17

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62649	Date Analyzed:	2009-08-18	Analyzed By:	ME
Prep Batch:	53460	Sample Preparation:	2009-08-18	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**32.9**	mg/L	200	0.00100
Toluene		**12.9**	mg/L	200	0.00100
Ethylbenzene		**2.92**	mg/L	200	0.00100
Xylene		**4.86**	mg/L	200	0.00100

[53] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		20.6	mg/L	200	20.0	103	87 - 105.2
4-Bromofluorobenzene (4-BFB)		21.3	mg/L	200	20.0	106	49.8 - 130.8

Sample: 205632 - MW-17

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[54]	**0.102**	mg/L	0.922	0.000200
2-Methylnaphthalene	[55]	**0.186**	mg/L	0.922	0.000200
1-Methylnaphthalene	[56]	**0.189**	mg/L	0.922	0.000200
Acenaphthylene		<0.000184	mg/L	0.922	0.000200
Acenaphthene		<0.000184	mg/L	0.922	0.000200
Dibenzofuran		**0.0194**	mg/L	0.922	0.000200
Fluorene		<0.000184	mg/L	0.922	0.000200
Anthracene		<0.000184	mg/L	0.922	0.000200
Phenanthrene		**0.0283**	mg/L	0.922	0.000200
Fluoranthene		<0.000184	mg/L	0.922	0.000200
Pyrene		<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene		<0.000184	mg/L	0.922	0.000200
Chrysene		<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene		<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene		<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene		<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0300	mg/L	0.922	0.0800	38	25.9 - 97.5
2-Fluorobiphenyl		0.0337	mg/L	0.922	0.0800	42	13.9 - 100
Terphenyl-d14		0.0314	mg/L	0.922	0.0800	39	37.7 - 114

Sample: 205632 - MW-17

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62741	Date Analyzed:	2009-08-21	Analyzed By:	kg
Prep Batch:	53539	Sample Preparation:	2009-08-21	Prepared By:	kg

[54]Estimated concentration value greater than standard range.
[55]Estimated concentration value greater than standard range.
[56]Estimated concentration value greater than standard range.

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.3	mg/L	1	10.0	123	70 - 130

Sample: 205632 - MW-17

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62650	Date Analyzed:	2009-08-18	Analyzed By:	ME
Prep Batch:	53460	Sample Preparation:	2009-08-18	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**111**	mg/L	200	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		19.6	mg/L	200	20.0	98	70 - 130
4-Bromofluorobenzene (4-BFB)		23.6	mg/L	200	20.0	118	70 - 130

Sample: 205633 - MW-18

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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)		0.0987	mg/L	1	0.100	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0936	mg/L	1	0.100	94	49.8 - 130.8

Sample: 205633 - MW-18

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000184	mg/L	0.922	0.000200
2-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
1-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
Acenaphthylene		<0.000184	mg/L	0.922	0.000200
Acenaphthene		<0.000184	mg/L	0.922	0.000200
Dibenzofuran		<0.000184	mg/L	0.922	0.000200
Fluorene		<0.000184	mg/L	0.922	0.000200
Anthracene		<0.000184	mg/L	0.922	0.000200
Phenanthrene		<0.000184	mg/L	0.922	0.000200
Fluoranthene		<0.000184	mg/L	0.922	0.000200
Pyrene		<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene		<0.000184	mg/L	0.922	0.000200
Chrysene		<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene		<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene		<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene		<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0361	mg/L	0.922	0.0800	45	25.9 - 97.5
2-Fluorobiphenyl		0.0369	mg/L	0.922	0.0800	46	13.9 - 100
Terphenyl-d14		0.0529	mg/L	0.922	0.0800	66	37.7 - 114

Sample: 205634 - MW-19

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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

continued ...

sample 205634 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.0996	mg/L	1	0.100	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0942	mg/L	1	0.100	94	49.8 - 130.8

Sample: 205634 - MW-19

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000186	mg/L	0.93	0.000200
2-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		<0.000186	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0373	mg/L	0.93	0.0800	47	25.9 - 97.5
2-Fluorobiphenyl		0.0389	mg/L	0.93	0.0800	49	13.9 - 100
Terphenyl-d14		0.0557	mg/L	0.93	0.0800	70	37.7 - 114

Sample: 205635 - MW-20

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**21.1**	mg/L	50	0.00100
Toluene		**1.14**	mg/L	50	0.00100
Ethylbenzene		**1.65**	mg/L	50	0.00100
Xylene		**1.46**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.13	mg/L	50	5.00	103	87 - 105.2
4-Bromofluorobenzene (4-BFB)		4.94	mg/L	50	5.00	99	49.8 - 130.8

Sample: 205635 - MW-20

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.000802**	mg/L	0.935	0.000200
2-Methylnaphthalene		<0.000187	mg/L	0.935	0.000200
1-Methylnaphthalene		**0.000588**	mg/L	0.935	0.000200
Acenaphthylene		<0.000187	mg/L	0.935	0.000200
Acenaphthene		<0.000187	mg/L	0.935	0.000200
Dibenzofuran		<0.000187	mg/L	0.935	0.000200
Fluorene		<0.000187	mg/L	0.935	0.000200
Anthracene		<0.000187	mg/L	0.935	0.000200
Phenanthrene		<0.000187	mg/L	0.935	0.000200
Fluoranthene		<0.000187	mg/L	0.935	0.000200
Pyrene		<0.000187	mg/L	0.935	0.000200
Benzo(a)anthracene		<0.000187	mg/L	0.935	0.000200
Chrysene		<0.000187	mg/L	0.935	0.000200
Benzo(b)fluoranthene		<0.000187	mg/L	0.935	0.000200
Benzo(k)fluoranthene		<0.000187	mg/L	0.935	0.000200
Benzo(a)pyrene		<0.000187	mg/L	0.935	0.000200
Indeno(1,2,3-cd)pyrene		<0.000187	mg/L	0.935	0.000200
Dibenzo(a,h)anthracene		<0.000187	mg/L	0.935	0.000200

continued ...

sample 205635 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(g,h,i)perylene		<0.000187	mg/L	0.935	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[57]	0.0177	mg/L	0.935	0.0800	22	25.9 - 97.5
2-Fluorobiphenyl		0.0171	mg/L	0.935	0.0800	21	13.9 - 100
Terphenyl-d14	[58]	0.0218	mg/L	0.935	0.0800	27	37.7 - 114

Sample: 205636 - MW-21

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62503	Date Analyzed:	2009-08-15	Analyzed By:	ME
Prep Batch:	53323	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.454**	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		**0.282**	mg/L	20	0.00100
Xylene		**0.190**	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/L	20	2.00	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		1.98	mg/L	20	2.00	99	49.8 - 130.8

Sample: 205636 - MW-21

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000187	mg/L	0.935	0.000200
2-Methylnaphthalene		<0.000187	mg/L	0.935	0.000200
1-Methylnaphthalene		<0.000187	mg/L	0.935	0.000200
Acenaphthylene		<0.000187	mg/L	0.935	0.000200
Acenaphthene		<0.000187	mg/L	0.935	0.000200

[57] 8270 Only - Two basic surrogates are out of control limits. The other basic surrogate shows extraction was performed properly.

[58] 8270 Only - Two basic surrogates are out of control limits. The other basic surrogate shows extraction was performed properly.

continued

sample 205636 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Dibenzofuran		<0.000187	mg/L	0.935	0.000200
Fluorene		<0.000187	mg/L	0.935	0.000200
Anthracene		<0.000187	mg/L	0.935	0.000200
Phenanthrene		<0.000187	mg/L	0.935	0.000200
Fluoranthene		<0.000187	mg/L	0.935	0.000200
Pyrene		<0.000187	mg/L	0.935	0.000200
Benzo(a)anthracene		<0.000187	mg/L	0.935	0.000200
Chrysene		<0.000187	mg/L	0.935	0.000200
Benzo(b)fluoranthene		<0.000187	mg/L	0.935	0.000200
Benzo(k)fluoranthene		<0.000187	mg/L	0.935	0.000200
Benzo(a)pyrene		<0.000187	mg/L	0.935	0.000200
Indeno(1,2,3-cd)pyrene		<0.000187	mg/L	0.935	0.000200
Dibenzo(a,h)anthracene		<0.000187	mg/L	0.935	0.000200
Benzo(g,h,i)perylene		<0.000187	mg/L	0.935	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0388	mg/L	0.935	0.0800	48	25.9 - 97.5
2-Fluorobiphenyl		0.0378	mg/L	0.935	0.0800	47	13.9 - 100
Terphenyl-d14		0.0479	mg/L	0.935	0.0800	60	37.7 - 114

Sample: 205637 - MW-22

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62503	Date Analyzed:	2009-08-15	Analyzed By:	ME
Prep Batch:	53323	Sample Preparation:	2009-08-14	Prepared By:	ME

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		**0.0163**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0970	mg/L	1	0.100	97	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0989	mg/L	1	0.100	99	49.8 - 130.8

Sample: 205637 - MW-22

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[59]	<0.00188	mg/L	9.39	0.000200
2-Methylnaphthalene		<0.00188	mg/L	9.39	0.000200
1-Methylnaphthalene		<0.00188	mg/L	9.39	0.000200
Acenaphthylene		<0.00188	mg/L	9.39	0.000200
Acenaphthene		<0.00188	mg/L	9.39	0.000200
Dibenzofuran		<0.00188	mg/L	9.39	0.000200
Fluorene		<0.00188	mg/L	9.39	0.000200
Anthracene		<0.00188	mg/L	9.39	0.000200
Phenanthrene		<0.00188	mg/L	9.39	0.000200
Fluoranthene		<0.00188	mg/L	9.39	0.000200
Pyrene		<0.00188	mg/L	9.39	0.000200
Benzo(a)anthracene		<0.00188	mg/L	9.39	0.000200
Chrysene		<0.00188	mg/L	9.39	0.000200
Benzo(b)fluoranthene		<0.00188	mg/L	9.39	0.000200
Benzo(k)fluoranthene		<0.00188	mg/L	9.39	0.000200
Benzo(a)pyrene		<0.00188	mg/L	9.39	0.000200
Indeno(1,2,3-cd)pyrene		<0.00188	mg/L	9.39	0.000200
Dibenzo(a,h)anthracene		<0.00188	mg/L	9.39	0.000200
Benzo(g,h,i)perylene		<0.00188	mg/L	9.39	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[60]	0.00650	mg/L	9.39	0.0800	8	25.9 - 97.5
2-Fluorobiphenyl		0.0123	mg/L	9.39	0.0800	15	13.9 - 100
Terphenyl-d14	[61]	0.0248	mg/L	9.39	0.0800	31	37.7 - 114

Sample: 205638 - MW-23

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62503	Date Analyzed:	2009-08-15	Analyzed By:	ME
Prep Batch:	53323	Sample Preparation:	2009-08-14	Prepared By:	ME

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

[60] Dilution due to matrix difficulties. • 8270 Only - Two basic surrogates are out of control limits due to dilution. The other basic surrogate shows extraction was performed properly.
[61] 8270 Only - Two basic surrogates are out of control limits due to dilution. The other basic surrogate shows extraction was performed properly.

Continued ...

sample 205638 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0974	mg/L	1	0.100	97	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0923	mg/L	1	0.100	92	49.8 - 130.8

Sample: 205638 - MW-23

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000186	mg/L	0.93	0.000200
2-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		<0.000186	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0379	mg/L	0.93	0.0800	47	25.9 - 97.5
2-Fluorobiphenyl		0.0358	mg/L	0.93	0.0800	45	13.9 - 100
Terphenyl-d14		0.0493	mg/L	0.93	0.0800	62	37.7 - 114

Sample: 205639 - MW-24

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62503	Date Analyzed:	2009-08-15	Analyzed By:	ME
Prep Batch:	53323	Sample Preparation:	2009-08-14	Prepared By:	ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0980	mg/L	1	0.100	98	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0943	mg/L	1	0.100	94	49.8 - 130.8

Sample: 205639 - MW-24

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	Result	RL	Units	Dilution	RL
Naphthalene		<0.000186		mg/L	0.93	0.000200
2-Methylnaphthalene		<0.000186		mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186		mg/L	0.93	0.000200
Acenaphthylene		<0.000186		mg/L	0.93	0.000200
Acenaphthene		<0.000186		mg/L	0.93	0.000200
Dibenzofuran		<0.000186		mg/L	0.93	0.000200
Fluorene		<0.000186		mg/L	0.93	0.000200
Anthracene		<0.000186		mg/L	0.93	0.000200
Phenanthrene		<0.000186		mg/L	0.93	0.000200
Fluoranthene		<0.000186		mg/L	0.93	0.000200
Pyrene		<0.000186		mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186		mg/L	0.93	0.000200
Chrysene		<0.000186		mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186		mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186		mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186		mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186		mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186		mg/L	0.93	0.000200

continued ...

sample 205639 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0429	mg/L	0.93	0.0800	54	25.9 - 97.5
2-Fluorobiphenyl		0.0410	mg/L	0.93	0.0800	51	13.9 - 100
Terphenyl-d14		0.0493	mg/L	0.93	0.0800	62	37.7 - 114

Method Blank (1) QC Batch: 62460

QC Batch: 62460 | Date Analyzed: 2009-08-13 | Analyzed By: ME
Prep Batch: 53287 | QC Preparation: 2009-08-13 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0993	mg/L	1	0.100	99	85.4 - 105.2
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	52.8 - 124.2

Method Blank (1) QC Batch: 62501

QC Batch: 62501 | Date Analyzed: 2009-08-14 | Analyzed By: ME
Prep Batch: 53322 | QC Preparation: 2009-08-14 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0981	mg/L	1	0.100	98	85.4 - 105.2
4-Bromofluorobenzene (4-BFB)		0.116	mg/L	1	0.100	116	52.8 - 124.2

Method Blank (1) QC Batch: 62502

QC Batch: 62502 | Date Analyzed: 2009-08-14 | Analyzed By: ME
Prep Batch: 53322 | QC Preparation: 2009-08-14 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0351	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0966	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)		0.126	mg/L	1	0.100	126	70 - 130

Method Blank (1) QC Batch: 62503

QC Batch: 62503 | Date Analyzed: 2009-08-15 | Analyzed By: ME
Prep Batch: 53323 | QC Preparation: 2009-08-14 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0981	mg/L	1	0.100	98	85.4 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0980	mg/L	1	0.100	98	52.8 - 124.2

Method Blank (1) QC Batch: 62607

QC Batch: 62607 | Date Analyzed: 2009-08-17 | Analyzed By: kg
Prep Batch: 53426 | QC Preparation: 2009-08-17 | Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<0.801	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.0	mg/L	1	10.0	120	70 - 160

Method Blank (1) QC Batch: 62647

QC Batch: 62647 | Date Analyzed: 2009-08-18 | Analyzed By: MN
Prep Batch: 53458 | QC Preparation: 2009-08-18 | Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
Naphthalene		<0.0000784	mg/L	0.0002
2-Methylnaphthalene		<0.0000747	mg/L	0.0002
1-Methylnaphthalene		<0.0000575	mg/L	0.0002
Acenaphthylene		<0.0000963	mg/L	0.0002
Acenaphthene		<0.0000617	mg/L	0.0002
Dibenzofuran		<0.0000952	mg/L	0.0002
Fluorene		<0.000134	mg/L	0.0002
Anthracene		<0.000441	mg/L	0.0002
Phenanthrene		<0.000435	mg/L	0.0002
Fluoranthene		<0.000476	mg/L	0.0002
Pyrene		<0.000590	mg/L	0.0002
Benzo(a)anthracene		<0.000118	mg/L	0.0002
Chrysene		<0.0000766	mg/L	0.0002
Benzo(b)fluoranthene		<0.000146	mg/L	0.0002
Benzo(k)fluoranthene		<0.000141	mg/L	0.0002
Benzo(a)pyrene		<0.000132	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.0000702	mg/L	0.0002
Dibenzo(a,h)anthracene		<0.0000534	mg/L	0.0002
Benzo(g,h,i)perylene		<0.0000473	mg/L	0.0002

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0350	mg/L	1	0.0800	44	25.9 - 97.5
2-Fluorobiphenyl		0.0341	mg/L	1	0.0800	43	13.9 - 100
Terphenyl-d14		0.0459	mg/L	1	0.0800	57	37.7 - 114

Method Blank (1) QC Batch: 62649

QC Batch: 62649 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0975	mg/L	1	0.100	98	85.4 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0910	mg/L	1	0.100	91	52.8 - 124.2

Method Blank (1) QC Batch: 62650

QC Batch: 62650 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0351	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0969	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	70 - 130

Method Blank (1) QC Batch: 62741

QC Batch: 62741 | Date Analyzed: 2009-08-21 | Analyzed By: kg
Prep Batch: 53539 | QC Preparation: 2009-08-21 | Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<0.801	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.3	mg/L	1	10.0	123	70 - 160

Method Blank (1) QC Batch: 62896

QC Batch: 62896 | Date Analyzed: 2009-08-26 | Analyzed By: MN
Prep Batch: 53688 | QC Preparation: 2009-08-19 | Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
Naphthalene		<0.0000784	mg/L	0.0002
2-Methylnaphthalene		<0.0000747	mg/L	0.0002
1-Methylnaphthalene		<0.0000575	mg/L	0.0002
Acenaphthylene		<0.0000963	mg/L	0.0002

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Acenaphthene		<0.0000617	mg/L	0.0002
Dibenzofuran		<0.0000952	mg/L	0.0002
Fluorene		<0.000134	mg/L	0.0002
Anthracene		<0.000441	mg/L	0.0002
Phenanthrene		<0.000435	mg/L	0.0002
Fluoranthene		<0.000476	mg/L	0.0002
Pyrene		<0.000590	mg/L	0.0002
Benzo(a)anthracene		<0.000118	mg/L	0.0002
Chrysene		<0.0000766	mg/L	0.0002
Benzo(b)fluoranthene		<0.000146	mg/L	0.0002
Benzo(k)fluoranthene		<0.000141	mg/L	0.0002
Benzo(a)pyrene		<0.000132	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.0000702	mg/L	0.0002
Dibenzo(a,h)anthracene		<0.0000534	mg/L	0.0002
Benzo(g,h,i)perylene		<0.0000473	mg/L	0.0002

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0685	mg/L	1	0.0800	86	25.9 - 97.5
2-Fluorobiphenyl		0.0649	mg/L	1	0.0800	81	13.9 - 100
Terphenyl-d14		0.0595	mg/L	1	0.0800	74	37.7 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 62460 | Date Analyzed: 2009-08-13 | Analyzed By: ME
Prep Batch: 53287 | QC Preparation: 2009-08-13 | Prepared By: ME

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[62]	0.106	mg/L	1	0.100	<0.00110	106	74.3 - 123.4
Toluene		0.106	mg/L	1	0.100	<0.00100	106	70.1 - 126.2
Ethylbenzene		0.105	mg/L	1	0.100	<0.00100	105	68.6 - 124.7
Xylene		0.315	mg/L	1	0.300	<0.00290	105	64.8 - 127.2

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	0.109	mg/L	1	0.100	<0.00110	109	74.3 - 123.4	3	20
Toluene	0.110	mg/L	1	0.100	<0.00100	110	70.1 - 126.2	4	20
Ethylbenzene	0.111	mg/L	1	0.100	<0.00100	111	68.6 - 124.7	6	20

continued ...

[62]SPECIAL - MS/MSD was run but not reported due to sample out of standard range limits. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Xylene	0.337	mg/L	1	0.300	<0.00290	112	64.8 - 127.2	7	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)	0.0994	0.0987	mg/L	1	0.100	99	99	84.8 - 110.8
4-Bromofluorobenzene (4-BFB)	0.108	0.111	mg/L	1	0.100	108	111	51.7 - 134.7

Laboratory Control Spike (LCS-1)

QC Batch: 62501 | Date Analyzed: 2009-08-14 | Analyzed By: ME
Prep Batch: 53322 | QC Preparation: 2009-08-14 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.110	mg/L	1	0.100	<0.00110	110	74.3 - 123.4
Toluene	0.110	mg/L	1	0.100	<0.00100	110	70.1 - 126.2
Ethylbenzene	0.110	mg/L	1	0.100	<0.00100	110	68.6 - 124.7
Xylene	0.335	mg/L	1	0.300	<0.00290	112	64.8 - 127.2

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	0.114	mg/L	1	0.100	<0.00110	114	74.3 - 123.4	4	20
Toluene	0.115	mg/L	1	0.100	<0.00100	115	70.1 - 126.2	4	20
Ethylbenzene	0.118	mg/L	1	0.100	<0.00100	118	68.6 - 124.7	7	20
Xylene	0.361	mg/L	1	0.300	<0.00290	120	64.8 - 127.2	8	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)	0.101	0.101	mg/L	1	0.100	101	101	84.8 - 110.8
4-Bromofluorobenzene (4-BFB)	0.122	0.124	mg/L	1	0.100	122	124	51.7 - 134.7

Laboratory Control Spike (LCS-1)

QC Batch: 62502 | Date Analyzed: 2009-08-14 | Analyzed By: ME
Prep Batch: 53322 | QC Preparation: 2009-08-14 | Prepared By: ME

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.923	mg/L	1	1.00	<0.0351	92	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.894	mg/L	1	1.00	<0.0351	89	70 - 130	3	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)	0.101	0.102	mg/L	1	0.100	101	102	70 - 130
4-Bromofluorobenzene (4-BFB)	0.126	0.127	mg/L	1	0.100	126	127	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62503 | Date Analyzed: 2009-08-15 | Analyzed By: ME
Prep Batch: 53323 | QC Preparation: 2009-08-14 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene [63]	0.106	mg/L	1	0.100	<0.00110	106	74.3 - 123.4
Toluene	0.105	mg/L	1	0.100	<0.00100	105	70.1 - 126.2
Ethylbenzene	0.105	mg/L	1	0.100	<0.00100	105	68.6 - 124.7
Xylene	0.316	mg/L	1	0.300	<0.00290	105	64.8 - 127.2

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	0.109	mg/L	1	0.100	<0.00110	109	74.3 - 123.4	3	20
Toluene	0.110	mg/L	1	0.100	<0.00100	110	70.1 - 126.2	5	20
Ethylbenzene	0.112	mg/L	1	0.100	<0.00100	112	68.6 - 124.7	6	20
Xylene	0.338	mg/L	1	0.300	<0.00290	113	64.8 - 127.2	7	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)	0.0969	0.100	mg/L	1	0.100	97	100	84.8 - 110.8
4-Bromofluorobenzene (4-BFB)	0.103	0.102	mg/L	1	0.100	103	102	51.7 - 134.7

[63]SPECIAL - MS/MSD was run but not reported due to sample out of range •

Laboratory Control Spike (LCS-1)

QC Batch: 62607 | Date Analyzed: 2009-08-17 | Analyzed By: kg
Prep Batch: 53426 | QC Preparation: 2009-08-17 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	23.8	mg/L	1	25.0	<0.801	95	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	23.9	mg/L	1	25.0	<0.801	96	70 - 130	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	12.4	12.5	mg/L	1	10.0	124	125	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62647 | Date Analyzed: 2009-08-18 | Analyzed By: MN
Prep Batch: 53458 | QC Preparation: 2009-08-18 | Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	0.0275	mg/L	1	0.0800	<0.0000784	34	22.2 - 87.9
2-Methylnaphthalene	0.0295	mg/L	1	0.0800	<0.0000747	37	23.3 - 86.1
1-Methylnaphthalene	0.0301	mg/L	1	0.0800	<0.0000575	38	24.6 - 87.8
Acenaphthylene	0.0360	mg/L	1	0.0800	<0.0000963	45	27.4 - 114
Acenaphthene	0.0351	mg/L	1	0.0800	<0.0000617	44	27.2 - 111
Dibenzofuran	0.0341	mg/L	1	0.0800	<0.0000952	43	27.3 - 100
Fluorene	0.0415	mg/L	1	0.0800	<0.000134	52	31.5 - 122
Anthracene	0.0492	mg/L	1	0.0800	<0.000441	62	32.4 - 115
Phenanthrene	0.0464	mg/L	1	0.0800	<0.000435	58	34.2 - 111
Fluoranthene	0.0558	mg/L	1	0.0800	<0.000476	70	40.1 - 114
Pyrene	0.0510	mg/L	1	0.0800	<0.000590	64	39.2 - 124
Benzo(a)anthracene	0.0495	mg/L	1	0.0800	<0.000118	62	39.4 - 114
Chrysene	0.0496	mg/L	1	0.0800	<0.0000766	62	38.2 - 116
Benzo(b)fluoranthene	0.0382	mg/L	1	0.0800	<0.000146	48	34.5 - 118
Benzo(k)fluoranthene	0.0699	mg/L	1	0.0800	<0.000141	87	38.7 - 133
Benzo(a)pyrene	0.0675	mg/L	1	0.0800	<0.000132	84	38 - 134
Indeno(1,2,3-cd)pyrene	0.0558	mg/L	1	0.0800	<0.0000702	70	34.6 - 124
Dibenzo(a,h)anthracene	0.0553	mg/L	1	0.0800	<0.0000534	69	33.9 - 120
Benzo(g,h,i)perylene	0.0564	mg/L	1	0.0800	<0.0000473	70	33.8 - 138

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	0.0249	mg/L	1	0.0800	<0.0000784	31	22.2 - 87.9	10	20
2-Methylnaphthalene	0.0262	mg/L	1	0.0800	<0.0000747	33	23.3 - 86.1	12	20
1-Methylnaphthalene	0.0271	mg/L	1	0.0800	<0.0000575	34	24.6 - 87.8	10	20
Acenaphthylene	0.0324	mg/L	1	0.0800	<0.0000963	40	27.4 - 114	10	20
Acenaphthene	0.0318	mg/L	1	0.0800	<0.0000617	40	27.2 - 111	10	20
Dibenzofuran	0.0301	mg/L	1	0.0800	<0.0000952	38	27.3 - 100	12	20
Fluorene	0.0373	mg/L	1	0.0800	<0.000134	47	31.5 - 122	11	20
Anthracene	0.0448	mg/L	1	0.0800	<0.000441	56	32.4 - 115	9	20
Phenanthrene	0.0420	mg/L	1	0.0800	<0.000435	52	34.2 - 111	10	20
Fluoranthene	0.0506	mg/L	1	0.0800	<0.000476	63	40.1 - 114	10	20
Pyrene	0.0461	mg/L	1	0.0800	<0.000590	58	39.2 - 124	10	20
Benzo(a)anthracene	0.0446	mg/L	1	0.0800	<0.000118	56	39.4 - 114	10	20
Chrysene	0.0450	mg/L	1	0.0800	<0.0000766	56	38.2 - 116	10	20
Benzo(b)fluoranthene	0.0417	mg/L	1	0.0800	<0.000146	52	34.5 - 118	9	20
Benzo(k)fluoranthene	0.0614	mg/L	1	0.0800	<0.000141	77	38.7 - 133	13	20
Benzo(a)pyrene	0.0630	mg/L	1	0.0800	<0.000132	79	38 - 134	7	20
Indeno(1,2,3-cd)pyrene	0.0516	mg/L	1	0.0800	<0.0000702	64	34.6 - 124	8	20
Dibenzo(a,h)anthracene	0.0508	mg/L	1	0.0800	<0.0000534	64	33.9 - 120	8	20
Benzo(g,h,i)perylene	0.0506	mg/L	1	0.0800	<0.0000473	63	33.8 - 138	11	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Nitrobenzene-d5	0.0285	0.0255	mg/L	1	0.0800	36	32	25.9 - 97.5
2-Fluorobiphenyl	0.0294	0.0266	mg/L	1	0.0800	37	33	13.9 - 100
Terphenyl-d14	0.0492	0.0445	mg/L	1	0.0800	62	56	37.7 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 62649 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0996	mg/L	1	0.100	<0.00110	100	74.3 - 123.4
Toluene	0.0977	mg/L	1	0.100	<0.00100	98	70.1 - 126.2
Ethylbenzene	0.0924	mg/L	1	0.100	<0.00100	92	68.6 - 124.7
Xylene	0.273	mg/L	1	0.300	<0.00290	91	64.8 - 127.2

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	0.104	mg/L	1	0.100	<0.00110	104	74.3 - 123.4	4	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	0.103	mg/L	1	0.100	<0.00100	103	70.1 - 126.2	5	20
Ethylbenzene	0.101	mg/L	1	0.100	<0.00100	101	68.6 - 124.7	9	20
Xylene	0.301	mg/L	1	0.300	<0.00290	100	64.8 - 127.2	10	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)	0.0974	0.0979	mg/L	1	0.100	97	98	84.8 - 110.8
4-Bromofluorobenzene (4-BFB)	0.0906	0.0957	mg/L	1	0.100	91	96	51.7 - 134.7

Laboratory Control Spike (LCS-1)

QC Batch: 62650 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.737	mg/L	1	1.00	<0.0351	74	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.709	mg/L	1	1.00	<0.0351	71	70 - 130	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0991	0.0996	mg/L	1	0.100	99	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.108	0.107	mg/L	1	0.100	108	107	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62741 | Date Analyzed: 2009-08-21 | Analyzed By: kg
Prep Batch: 53539 | QC Preparation: 2009-08-21 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	21.3	mg/L	1	25.0	<0.801	85	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	21.9	mg/L	1	25.0	<0.801	88	70 - 130	3	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
n-Triacontane	11.4	11.5	mg/L	1	10.0	114	115	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62896 | Date Analyzed: 2009-08-26 | Analyzed By: MN
Prep Batch: 53688 | QC Preparation: 2009-08-19 | Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	0.0361	mg/L	1	0.0800	<0.0000784	45	22.2 - 87.9
2-Methylnaphthalene	0.0380	mg/L	1	0.0800	<0.0000747	48	23.3 - 86.1
1-Methylnaphthalene	0.0383	mg/L	1	0.0800	<0.0000575	48	24.6 - 87.8
Acenaphthylene	0.0455	mg/L	1	0.0800	<0.0000963	57	27.4 - 114
Acenaphthene	0.0452	mg/L	1	0.0800	<0.0000617	56	27.2 - 111
Dibenzofuran	0.0427	mg/L	1	0.0800	<0.0000952	53	27.3 - 100
Fluorene	0.0522	mg/L	1	0.0800	<0.000134	65	31.5 - 122
Anthracene	0.0474	mg/L	1	0.0800	<0.000441	59	32.4 - 115
Phenanthrene	0.0516	mg/L	1	0.0800	<0.000435	64	34.2 - 111
Fluoranthene	0.0567	mg/L	1	0.0800	<0.000476	71	40.1 - 114
Pyrene	0.0543	mg/L	1	0.0800	<0.000590	68	39.2 - 124
Benzo(a)anthracene	0.0500	mg/L	1	0.0800	<0.000118	62	39.4 - 114
Chrysene	0.0530	mg/L	1	0.0800	<0.0000766	66	38.2 - 116
Benzo(b)fluoranthene	0.0627	mg/L	1	0.0800	<0.000146	78	34.5 - 118
Benzo(k)fluoranthene	0.0632	mg/L	1	0.0800	<0.000141	79	38.7 - 133
Benzo(a)pyrene	0.0706	mg/L	1	0.0800	<0.000132	88	38 - 134
Indeno(1,2,3-cd)pyrene	0.0579	mg/L	1	0.0800	<0.0000702	72	34.6 - 124
Dibenzo(a,h)anthracene	0.0592	mg/L	1	0.0800	<0.0000534	74	33.9 - 120
Benzo(g,h,i)perylene	0.0572	mg/L	1	0.0800	<0.0000473	72	33.8 - 138

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	0.0367	mg/L	1	0.0800	<0.0000784	46	22.2 - 87.9	2	20
2-Methylnaphthalene	0.0385	mg/L	1	0.0800	<0.0000747	48	23.3 - 86.1	1	20
1-Methylnaphthalene	0.0396	mg/L	1	0.0800	<0.0000575	50	24.6 - 87.8	3	20
Acenaphthylene	0.0448	mg/L	1	0.0800	<0.0000963	56	27.4 - 114	2	20
Acenaphthene	0.0446	mg/L	1	0.0800	<0.0000617	56	27.2 - 111	1	20
Dibenzofuran	0.0418	mg/L	1	0.0800	<0.0000952	52	27.3 - 100	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluorene	0.0514	mg/L	1	0.0800	<0.000134	64	31.5 - 122	2	20
Anthracene	0.0453	mg/L	1	0.0800	<0.000441	57	32.4 - 115	4	20
Phenanthrene	0.0505	mg/L	1	0.0800	<0.000435	63	34.2 - 111	2	20
Fluoranthene	0.0560	mg/L	1	0.0800	<0.000476	70	40.1 - 114	1	20
Pyrene	0.0535	mg/L	1	0.0800	<0.000590	67	39.2 - 124	2	20
Benzo(a)anthracene	0.0503	mg/L	1	0.0800	<0.000118	63	39.4 - 114	1	20
Chrysene	0.0523	mg/L	1	0.0800	<0.0000766	65	38.2 - 116	1	20
Benzo(b)fluoranthene	0.0543	mg/L	1	0.0800	<0.000146	68	34.5 - 118	14	20
Benzo(k)fluoranthene	0.0609	mg/L	1	0.0800	<0.000141	76	38.7 - 133	4	20
Benzo(a)pyrene	0.0707	mg/L	1	0.0800	<0.000132	88	38 - 134	0	20
Indeno(1,2,3-cd)pyrene	0.0577	mg/L	1	0.0800	<0.0000702	72	34.6 - 124	0	20
Dibenzo(a,h)anthracene	0.0584	mg/L	1	0.0800	<0.0000534	73	33.9 - 120	1	20
Benzo(g,h,i)perylene	0.0581	mg/L	1	0.0800	<0.0000473	73	33.8 - 138	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Nitrobenzene-d5	0.0405	0.0392	mg/L	1	0.0800	51	49	25.9 - 97.5
2-Fluorobiphenyl	0.0378	0.0377	mg/L	1	0.0800	47	47	13.9 - 100
Terphenyl-d14	0.0520	0.0508	mg/L	1	0.0800	65	64	37.7 - 114

Matrix Spike (MS-1) Spiked Sample: 205620

QC Batch: 62607 | Date Analyzed: 2009-08-17 | Analyzed By: kg
Prep Batch: 53426 | QC Preparation: 2009-08-17 | Prepared By: kg

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	[64]	235	mg/L	5	25.0	185	200	70 - 130

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	[65]	140	mg/L	5	25.0	185	0	70 - 130	51	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
n-Triacontane	[66] [67]	20.8	15.2	mg/L	5	10	208	152	70 - 130

[64] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[65] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[66] High surrogate recovery due to peak interference.
[67] High surrogate recovery due to peak interference.

Matrix Spike (MS-1) Spiked Sample: 205968

QC Batch: 62649 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	34.0	mg/L	100	10.0	22.7152	113	61 - 130
Toluene	13.7	mg/L	100	10.0	3.0366	107	69.2 - 121.4
Ethylbenzene	10.9	mg/L	100	10.0	1.0524	98	56.3 - 124.9
Xylene	32.1	mg/L	100	30.0	1.987	100	60.2 - 122.9

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	33.0	mg/L	100	10.0	22.7152	103	61 - 130	3	20
Toluene	13.1	mg/L	100	10.0	3.0366	101	69.2 - 121.4	4	20
Ethylbenzene	10.8	mg/L	100	10.0	1.0524	97	56.3 - 124.9	1	20
Xylene	31.7	mg/L	100	30.0	1.987	99	60.2 - 122.9	1	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)	10.2	10.1	mg/L	100	10	102	101	85.6 - 108.1
4-Bromofluorobenzene (4-BFB)	10.7	10.2	mg/L	100	10	107	102	53.7 - 127.3

Matrix Spike (MS-1) Spiked Sample: 206718

QC Batch: 62741 | Date Analyzed: 2009-08-21 | Analyzed By: kg
Prep Batch: 53539 | QC Preparation: 2009-08-21 | Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	32.4	mg/L	1	25.0	9.27	92	70 - 130

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	34.7	mg/L	1	25.0	9.27	102	70 - 130	7	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
n-Triacontane	10.8	10.6	mg/L	1	10	108	106	70 - 130

Standard (CCV-2)

QC Batch: 62460 Date Analyzed: 2009-08-13 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.115	115	80 - 120	2009-08-13
Toluene		mg/L	0.100	0.114	114	80 - 120	2009-08-13
Ethylbenzene		mg/L	0.100	0.114	114	80 - 120	2009-08-13
Xylene		mg/L	0.300	0.347	116	80 - 120	2009-08-13

Standard (CCV-3)

QC Batch: 62460 Date Analyzed: 2009-08-13 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.110	110	80 - 120	2009-08-13
Toluene		mg/L	0.100	0.110	110	80 - 120	2009-08-13
Ethylbenzene		mg/L	0.100	0.110	110	80 - 120	2009-08-13
Xylene		mg/L	0.300	0.331	110	80 - 120	2009-08-13

Standard (CCV-1)

QC Batch: 62501 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.112	112	80 - 120	2009-08-14
Toluene		mg/L	0.100	0.114	114	80 - 120	2009-08-14
Ethylbenzene		mg/L	0.100	0.116	116	80 - 120	2009-08-14
Xylene		mg/L	0.300	0.358	119	80 - 120	2009-08-14

Standard (CCV-2)

QC Batch: 62501 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.108	108	80 - 120	2009-08-14
Toluene		mg/L	0.100	0.108	108	80 - 120	2009-08-14
Ethylbenzene		mg/L	0.100	0.107	107	80 - 120	2009-08-14

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/L	0.300	0.323	108	80 - 120	2009-08-14

Standard (CCV-3)

QC Batch: 62501 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.117	117	80 - 120	2009-08-14
Toluene		mg/L	0.100	0.119	119	80 - 120	2009-08-14
Ethylbenzene		mg/L	0.100	0.118	118	80 - 120	2009-08-14
Xylene		mg/L	0.300	0.339	113	80 - 120	2009-08-14

Standard (CCV-1)

QC Batch: 62502 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.16	116	80 - 120	2009-08-14

Standard (CCV-2)

QC Batch: 62502 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.08	108	80 - 120	2009-08-14

Standard (CCV-1)

QC Batch: 62503 Date Analyzed: 2009-08-15 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	80 - 120	2009-08-15
Toluene		mg/L	0.100	0.105	105	80 - 120	2009-08-15

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene		mg/L	0.100	0.107	107	80 - 120	2009-08-15
Xylene		mg/L	0.300	0.323	108	80 - 120	2009-08-15

Standard (CCV-2)

QC Batch: 62503 Date Analyzed: 2009-08-15 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.107	107	80 - 120	2009-08-15
Toluene		mg/L	0.100	0.107	107	80 - 120	2009-08-15
Ethylbenzene		mg/L	0.100	0.106	106	80 - 120	2009-08-15
Xylene		mg/L	0.300	0.321	107	80 - 120	2009-08-15

Standard (CCV-1)

QC Batch: 62607 Date Analyzed: 2009-08-17 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	235	94	80 - 120	2009-08-17

Standard (CCV-2)

QC Batch: 62607 Date Analyzed: 2009-08-17 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	236	94	80 - 120	2009-08-17

Standard (CCV-3)

QC Batch: 62607 Date Analyzed: 2009-08-17 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	236	94	80 - 120	2009-08-17

Standard (CCV-1)

QC Batch: 62647 Date Analyzed: 2009-08-18 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	57.6	96	80 - 120	2009-08-18
2-Methylnaphthalene		mg/L	60.0	64.2	107	80 - 120	2009-08-18
1-Methylnaphthalene		mg/L	60.0	65.0	108	80 - 120	2009-08-18
Acenaphthylene		mg/L	60.0	57.9	96	80 - 120	2009-08-18
Acenaphthene		mg/L	60.0	58.5	98	80 - 120	2009-08-18
Dibenzofuran		mg/L	60.0	59.6	99	80 - 120	2009-08-18
Fluorene		mg/L	60.0	62.7	104	80 - 120	2009-08-18
Anthracene		mg/L	60.0	57.5	96	80 - 120	2009-08-18
Phenanthrene		mg/L	60.0	56.1	94	80 - 120	2009-08-18
Fluoranthene		mg/L	60.0	54.5	91	80 - 120	2009-08-18
Pyrene		mg/L	60.0	57.6	96	80 - 120	2009-08-18
Benzo(a)anthracene		mg/L	60.0	57.2	95	80 - 120	2009-08-18
Chrysene		mg/L	60.0	57.1	95	80 - 120	2009-08-18
Benzo(b)fluoranthene		mg/L	60.0	57.7	96	80 - 120	2009-08-18
Benzo(k)fluoranthene		mg/L	60.0	68.0	113	80 - 120	2009-08-18
Benzo(a)pyrene		mg/L	60.0	69.1	115	80 - 120	2009-08-18
Indeno(1,2,3-cd)pyrene		mg/L	60.0	58.5	98	80 - 120	2009-08-18
Dibenzo(a,h)anthracene		mg/L	60.0	59.8	100	80 - 120	2009-08-18
Benzo(g,h,i)perylene		mg/L	60.0	57.3	96	80 - 120	2009-08-18

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		62.3	mg/L	1	60.0	104	80 - 120
2-Fluorobiphenyl		55.5	mg/L	1	60.0	92	80 - 120
Terphenyl-d14		54.5	mg/L	1	60.0	91	80 - 120

Standard (CCV-2)

QC Batch: 62647 Date Analyzed: 2009-08-18 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	58.4	97	80 - 120	2009-08-18
2-Methylnaphthalene		mg/L	60.0	68.1	114	80 - 120	2009-08-18
1-Methylnaphthalene		mg/L	60.0	69.0	115	80 - 120	2009-08-18
Acenaphthylene		mg/L	60.0	59.3	99	80 - 120	2009-08-18
Acenaphthene		mg/L	60.0	59.9	100	80 - 120	2009-08-18
Dibenzofuran		mg/L	60.0	61.6	103	80 - 120	2009-08-18
Fluorene		mg/L	60.0	64.3	107	80 - 120	2009-08-18

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Anthracene		mg/L	60.0	58.7	98	80 - 120	2009-08-18
Phenanthrene		mg/L	60.0	57.4	96	80 - 120	2009-08-18
Fluoranthene		mg/L	60.0	52.0	87	80 - 120	2009-08-18
Pyrene		mg/L	60.0	63.4	106	80 - 120	2009-08-18
Benzo(a)anthracene		mg/L	60.0	53.1	88	80 - 120	2009-08-18
Chrysene		mg/L	60.0	53.2	89	80 - 120	2009-08-18
Benzo(b)fluoranthene		mg/L	60.0	57.5	96	80 - 120	2009-08-18
Benzo(k)fluoranthene		mg/L	60.0	60.6	101	80 - 120	2009-08-18
Benzo(a)pyrene		mg/L	60.0	68.2	114	80 - 120	2009-08-18
Indeno(1,2,3-cd)pyrene		mg/L	60.0	53.0	88	80 - 120	2009-08-18
Dibenzo(a,h)anthracene		mg/L	60.0	55.0	92	80 - 120	2009-08-18
Benzo(g,h,i)perylene		mg/L	60.0	50.9	85	80 - 120	2009-08-18

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		56.5	mg/L	1	60.0	94	80 - 120
2-Fluorobiphenyl		57.8	mg/L	1	60.0	96	80 - 120
Terphenyl-d14		60.6	mg/L	1	60.0	101	80 - 120

Standard (CCV-1)

QC Batch: 62649 Date Analyzed: 2009-08-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0977	98	80 - 120	2009-08-18
Toluene		mg/L	0.100	0.0969	97	80 - 120	2009-08-18
Ethylbenzene		mg/L	0.100	0.0909	91	80 - 120	2009-08-18
Xylene		mg/L	0.300	0.273	91	80 - 120	2009-08-18

Standard (CCV-2)

QC Batch: 62649 Date Analyzed: 2009-08-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.110	110	80 - 120	2009-08-18
Toluene		mg/L	0.100	0.112	112	80 - 120	2009-08-18
Ethylbenzene		mg/L	0.100	0.107	107	80 - 120	2009-08-18
Xylene		mg/L	0.300	0.325	108	80 - 120	2009-08-18

Standard (CCV-1)

QC Batch: 62650 Date Analyzed: 2009-08-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.03	103	80 - 120	2009-08-18

Standard (CCV-2)

QC Batch: 62650 Date Analyzed: 2009-08-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.01	101	80 - 120	2009-08-18

Standard (CCV-3)

QC Batch: 62741 Date Analyzed: 2009-08-21 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	218	87	80 - 120	2009-08-21

Standard (CCV-4)

QC Batch: 62741 Date Analyzed: 2009-08-21 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	228	91	80 - 120	2009-08-21

Standard (CCV-1)

QC Batch: 62896 Date Analyzed: 2009-08-26 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	58.1	97	80 - 120	2009-08-26
2-Methylnaphthalene		mg/L	60.0	66.2	110	80 - 120	2009-08-26

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1-Methylnaphthalene		mg/L	60.0	66.7	111	80 - 120	2009-08-26
Acenaphthylene		mg/L	60.0	57.8	96	80 - 120	2009-08-26
Acenaphthene		mg/L	60.0	58.4	97	80 - 120	2009-08-26
Dibenzofuran		mg/L	60.0	60.3	100	80 - 120	2009-08-26
Fluorene		mg/L	60.0	63.8	106	80 - 120	2009-08-26
Anthracene		mg/L	60.0	59.2	99	80 - 120	2009-08-26
Phenanthrene		mg/L	60.0	57.2	95	80 - 120	2009-08-26
Fluoranthene		mg/L	60.0	54.8	91	80 - 120	2009-08-26
Pyrene		mg/L	60.0	59.0	98	80 - 120	2009-08-26
Benzo(a)anthracene		mg/L	60.0	56.2	94	80 - 120	2009-08-26
Chrysene		mg/L	60.0	56.9	95	80 - 120	2009-08-26
Benzo(b)fluoranthene		mg/L	60.0	55.8	93	80 - 120	2009-08-26
Benzo(k)fluoranthene		mg/L	60.0	63.6	106	80 - 120	2009-08-26
Benzo(a)pyrene		mg/L	60.0	67.5	112	80 - 120	2009-08-26
Indeno(1,2,3-cd)pyrene		mg/L	60.0	56.4	94	80 - 120	2009-08-26
Dibenzo(a,h)anthracene		mg/L	60.0	58.0	97	80 - 120	2009-08-26
Benzo(g,h,i)perylene		mg/L	60.0	55.0	92	80 - 120	2009-08-26

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		60.5	mg/L	1	60.0	101	80 - 120
2-Fluorobiphenyl		55.1	mg/L	1	60.0	92	80 - 120
Terphenyl-d14		56.0	mg/L	1	60.0	93	80 - 120

Standard (CCV-2)

QC Batch: 62896 Date Analyzed: 2009-08-26 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	58.0	97	80 - 120	2009-08-26
2-Methylnaphthalene		mg/L	60.0	61.7	103	80 - 120	2009-08-26
1-Methylnaphthalene		mg/L	60.0	61.3	102	80 - 120	2009-08-26
Acenaphthylene		mg/L	60.0	59.1	98	80 - 120	2009-08-26
Acenaphthene		mg/L	60.0	58.6	98	80 - 120	2009-08-26
Dibenzofuran		mg/L	60.0	61.0	102	80 - 120	2009-08-26
Fluorene		mg/L	60.0	64.0	107	80 - 120	2009-08-26
Anthracene		mg/L	60.0	59.8	100	80 - 120	2009-08-26
Phenanthrene		mg/L	60.0	57.3	96	80 - 120	2009-08-26
Fluoranthene		mg/L	60.0	56.9	95	80 - 120	2009-08-26
Pyrene		mg/L	60.0	58.6	98	80 - 120	2009-08-26
Benzo(a)anthracene		mg/L	60.0	56.7	94	80 - 120	2009-08-26

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chrysene		mg/L	60.0	56.4	94	80 - 120	2009-08-26
Benzo(b)fluoranthene		mg/L	60.0	55.5	92	80 - 120	2009-08-26
Benzo(k)fluoranthene		mg/L	60.0	70.9	118	80 - 120	2009-08-26
Benzo(a)pyrene		mg/L	60.0	69.9	116	80 - 120	2009-08-26
Indeno(1,2,3-cd)pyrene		mg/L	60.0	58.4	97	80 - 120	2009-08-26
Dibenzo(a,h)anthracene		mg/L	60.0	59.7	100	80 - 120	2009-08-26
Benzo(g,h,i)perylene		mg/L	60.0	57.8	96	80 - 120	2009-08-26

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		61.8	mg/L	1	60.0	103	80 - 120
2-Fluorobiphenyl		55.6	mg/L	1	60.0	93	80 - 120
Terphenyl-d14		55.7	mg/L	1	60.0	93	80 - 120

LAB Order ID # 9081236

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

Company Name: TALON LPE
Phone #: 432-522-2133
Address: (Street, City, Zip) 2901 RANKIN HWY MIDLAND TX
Fax #:
Contact Person: SHANNA SMITH
E-mail: SSMITH@TALONLPE.COM
Invoice to: (If different from above) PLAINS JASON HENRY
SRS# 2003-00017
Project #: 703376.018.01
Project Name: HOBBS JUNCTION MAINLINE
Project Location (including state): HOBBS NM
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Turn Around Time If different from standard	Hold
605606	MW-1	5		X				X				X		8/12/09	1040	X	X	X		X														
607	MW-2													8/11/09	1440																			
608	MW-3													8/11/09	1515																			
609	MW-4													8/11/09	1500																			
620	MW-5													8/11/09	1055																			
621	MW-6													8/11/09	1224																			
622	MW-7	3												8/12/09	1305		X			X														
623	MW-8	3												8/12/09	1258		X			X														
624	MW-9	3												8/12/09	1250		X			X														
625	MW-10	3												8/12/09	1240		X			X														
626	MW-11	3												8/11/09	1121		X	X		X														

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
	TALON LPE	8/12/09		Johnny Morrow		8/12/09	4:54
Johnny Morrow		8/12/09	4:54		Traco	8/12/09	16:54

INST ____ OBS 3.4 °C COR ____ °C

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

REMARKS:

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

Carrier # Carry-in

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

ORIGINAL COPY

LAB Order ID # 90811236

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
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1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: TALON LPE
Phone #: 432-522-2133
Address: (Street, City, Zip) 2901 Rankin Hwy.
Fax #:
Contact Person: Shawna Smith
E-mail: SSmith@TALONLPE.com
Invoice to: (If different from above) PLAINS Jason Henry SRS# 2003-00017
Project #: 700376.018.01
Project Name: Hobbs Junction Mainline
Project Location (including state): Hobbs, N.M.
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
627	MW-12	5		X				X				X		8/12/09	1200
628	MW-13	3		↓				↓				↓		8/12/09	1055
629	MW-14	5												8/11/09	1425
630	MW-15	5												8/11/09	1138
205631	MW-16	3												8/12/09	1145
632	MW-17	5												8/11/09	1400
633	MW-18	3												8/12/09	1130
634	MW-19	3												8/12/09	1350
635	MW-20	3												8/12/09	1155
1636	MW-21	3												↓	1205
637	MW-22	3		↓				↓				↓		↓	1200

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

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
	TALON LPE	8/12/09		Johnny Manaver		8/12/09	4:54
Johnny Manaver		8/12/09	4:54				
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
					Trace	8/12/09	16:54
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

INST ____ OBS ____ °C COR ____ °C
INST ____ OBS 3.4 °C COR ____ °C
INST ____ OBS ____ °C COR ____ °C

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

REMARKS:

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

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

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Carrier # ____

LAB Order ID # 9081236

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
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Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: TAlonLPE
Phone #: 432-522-2122
Address: (Street, City, Zip) 2901 Rankin Midland TX
Fax #:
Contact Person: S Smith
E-mail: SSmith@TAlonLPE.com
Invoice to: (If different from above) PlAINS JASON Henry HOBBS Junction MAinline
Project #: 700376.018.01
Project Name: SRS# 2003-00017
Project Location (including state): HOBBS, NM
Sampler Signature: [illegible]

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
638	MW-23	3		X				X				X		8/11/09	1220
639	MW-24	3		X				X				X		8/11/09	1210

ANALYSIS REQUEST (Circle or Specify Method No.)

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

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[illegible]	Jason	8/12/09		Jommy Morsa		8/12/09	4:54	INST ___ °C OBS ___ °C COR ___ °C
Jommy Morsa		8/12/09	4:54	[illegible]	Trace	8/12/09	16:54	INST ___ OBS 3.4 °C COR ___ °C
								INST ___ °C OBS ___ °C COR ___ °C

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

REMARKS:

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

Carrier #

ORIGINAL COPY

TRACEANALYSIS, INC.

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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX LELAP-02003 Kansas E-10317 **El Paso:** T104704221-08-TX LELAP-02002 **Midland:** T104704392-08-TX

Analytical and Quality Control Report

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

Report Date: August 26, 2009

Work Order: 9081236

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
205616	MW-1	water	2009-08-12	10:40	2009-08-12
205617	MW-2	water	2009-08-11	14:40	2009-08-12
205618	MW-3	water	2009-08-11	15:15	2009-08-12
205619	MW-4	water	2009-08-11	15:00	2009-08-12
205620	MW-5	water	2009-08-12	10:55	2009-08-12
205621	MW-6	water	2009-08-12	12:24	2009-08-12
205622	MW-7	water	2009-08-12	13:05	2009-08-12
205623	MW-8	water	2009-08-12	12:58	2009-08-12
205624	MW-9	water	2009-08-12	12:50	2009-08-12

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
205625	MW-10	water	2009-08-12	12:40	2009-08-12
205626	MW-11	water	2009-08-12	11:21	2009-08-12
205627	MW-12	water	2009-08-12	12:00	2009-08-12
205628	MW-13	water	2009-08-12	10:55	2009-08-12
205629	MW-14	water	2009-08-11	14:25	2009-08-12
205630	MW-15	water	2009-08-12	11:38	2009-08-12
205631	MW-16	water	2009-08-12	11:45	2009-08-12
205632	MW-17	water	2009-08-11	14:00	2009-08-12
205633	MW-18	water	2009-08-12	11:30	2009-08-12
205634	MW-19	water	2009-08-12	13:50	2009-08-12
205635	MW-20	water	2009-08-12	11:55	2009-08-12
205636	MW-21	water	2009-08-12	12:05	2009-08-12
205637	MW-22	water	2009-08-12	12:00	2009-08-12
205638	MW-23	water	2009-08-12	12:20	2009-08-12
205639	MW-24	water	2009-08-12	12:10	2009-08-12

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

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

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 2009-08-12 and assigned to work order 9081236. Samples for work order 9081236 were received intact without headspace and at a temperature of 3.4 deg. C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	53287	2009-08-13 at 09:31	62460	2009-08-13 at 09:31
BTEX	S 8021B	53322	2009-08-14 at 10:51	62501	2009-08-14 at 10:51
BTEX	S 8021B	53323	2009-08-14 at 10:51	62503	2009-08-15 at 04:37
BTEX	S 8021B	53460	2009-08-18 at 09:11	62649	2009-08-18 at 09:11
PAH	S 8270C	53458	2009-08-18 at 15:00	62647	2009-08-18 at 17:50
PAH	S 8270C	53688	2009-08-19 at 15:00	62896	2009-08-26 at 10:25
TPH DRO	Mod. 8015B	53426	2009-08-17 at 14:31	62607	2009-08-17 at 14:31
TPH DRO	Mod. 8015B	53539	2009-08-21 at 09:38	62741	2009-08-21 at 09:38
TPH GRO	S 8015B	53322	2009-08-14 at 10:51	62502	2009-08-14 at 10:51
TPH GRO	S 8015B	53460	2009-08-18 at 09:11	62650	2009-08-18 at 09:11

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 9081236 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: 205616 - MW-1

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**34.8**	mg/L	200	0.00100
Toluene		**14.4**	mg/L	200	0.00100
Ethylbenzene		**4.57**	mg/L	200	0.00100
Xylene		**7.47**	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		20.7	mg/L	200	20.0	104	87 - 105.2
4-Bromofluorobenzene (4-BFB)		24.7	mg/L	200	20.0	124	49.8 - 130.8

Sample: 205616 - MW-1

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[1]	**0.784**	mg/L	4.673	0.000200
2-Methylnaphthalene	[2]	**1.90**	mg/L	4.673	0.000200
1-Methylnaphthalene	[3]	**1.94**	mg/L	4.673	0.000200
Acenaphthylene		<0.000935	mg/L	4.673	0.000200
Acenaphthene		<0.000935	mg/L	4.673	0.000200
Dibenzofuran		**0.170**	mg/L	4.673	0.000200
Fluorene		<0.000935	mg/L	4.673	0.000200
Anthracene		**0.0234**	mg/L	4.673	0.000200
Phenanthrene		**0.276**	mg/L	4.673	0.000200
Fluoranthene		<0.000935	mg/L	4.673	0.000200
Pyrene		<0.000935	mg/L	4.673	0.000200
Benzo(a)anthracene		<0.000935	mg/L	4.673	0.000200
Chrysene		<0.000935	mg/L	4.673	0.000200

continued ...

[1]Estimated concentration value greater than standard range.
[2]Estimated concentration value greater than standard range.
[3]Estimated concentration value greater than standard range.

sample 205616 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(b)fluoranthene		<0.000935	mg/L	4.673	0.000200
Benzo(k)fluoranthene		<0.000935	mg/L	4.673	0.000200
Benzo(a)pyrene		<0.000935	mg/L	4.673	0.000200
Indeno(1,2,3-cd)pyrene		<0.000935	mg/L	4.673	0.000200
Dibenzo(a,h)anthracene		<0.000935	mg/L	4.673	0.000200
Benzo(g,h,i)perylene		<0.000935	mg/L	4.673	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0379	mg/L	4.673	0.0800	47	25.9 - 97.5
2-Fluorobiphenyl		0.0387	mg/L	4.673	0.0800	48	13.9 - 100
Terphenyl-d14		0.0560	mg/L	4.673	0.0800	70	37.7 - 114

Sample: 205616 - MW-1

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**555**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[4]	27.1	mg/L	10	10.0	271	70 - 130

Sample: 205616 - MW-1

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**163**	mg/L	200	0.100

[4]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		20.0	mg/L	200	20.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[5]	28.3	mg/L	200	20.0	142	70 - 130

Sample: 205617 - MW-2

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62460	Date Analyzed:	2009-08-13	Analyzed By:	ME
Prep Batch:	53287	Sample Preparation:	2009-08-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**31.7**	mg/L	100	0.00100
Toluene		**23.6**	mg/L	100	0.00100
Ethylbenzene		**8.75**	mg/L	100	0.00100
Xylene		**13.9**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.99	mg/L	100	10.0	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		12.8	mg/L	100	10.0	128	49.8 - 130.8

Sample: 205617 - MW-2

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[6]	**3.21**	mg/L	9.346	0.000200
2-Methylnaphthalene	[7]	**6.85**	mg/L	9.346	0.000200
1-Methylnaphthalene	[8]	**7.15**	mg/L	9.346	0.000200
Acenaphthylene		<0.00187	mg/L	9.346	0.000200
Acenaphthene		<0.00187	mg/L	9.346	0.000200
Dibenzofuran		**0.503**	mg/L	9.346	0.000200
Fluorene		<0.00187	mg/L	9.346	0.000200
Anthracene		**0.0696**	mg/L	9.346	0.000200
Phenanthrene		**0.785**	mg/L	9.346	0.000200
Fluoranthene		<0.00187	mg/L	9.346	0.000200

[5]High surrogate recovery due to peak interference.
[6]Estimated concentration value greater than standard range.
[7]Estimated concentration value greater than standard range.
[8]Estimated concentration value greater than standard range.

continued ...

sample 205617 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.00187	mg/L	9.346	0.000200
Benzo(a)anthracene		<0.00187	mg/L	9.346	0.000200
Chrysene		<0.00187	mg/L	9.346	0.000200
Benzo(b)fluoranthene		<0.00187	mg/L	9.346	0.000200
Benzo(k)fluoranthene		<0.00187	mg/L	9.346	0.000200
Benzo(a)pyrene		<0.00187	mg/L	9.346	0.000200
Indeno(1,2,3-cd)pyrene		<0.00187	mg/L	9.346	0.000200
Dibenzo(a,h)anthracene		<0.00187	mg/L	9.346	0.000200
Benzo(g,h,i)perylene		<0.00187	mg/L	9.346	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[9]	0.113	mg/L	9.346	0.0800	141	25.9 - 97.5
2-Fluorobiphenyl		0.0444	mg/L	9.346	0.0800	56	13.9 - 100
Terphenyl-d14		0.0424	mg/L	9.346	0.0800	53	37.7 - 114

Sample: 205617 - MW-2

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**1500**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[10]	80.4	mg/L	10	10.0	804	70 - 130

Sample: 205617 - MW-2

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**287**	mg/L	100	0.100

[9]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[10]High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.2	mg/L	100	10.0	102	70 - 130
4-Bromofluorobenzene (4-BFB)	[11]	15.6	mg/L	100	10.0	156	70 - 130

Sample: 205618 - MW-3

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62460	Date Analyzed:	2009-08-13	Analyzed By:	ME
Prep Batch:	53287	Sample Preparation:	2009-08-13	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**34.5**	mg/L	100	0.00100
Toluene		**15.6**	mg/L	100	0.00100
Ethylbenzene		**3.48**	mg/L	100	0.00100
Xylene		**5.56**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.95	mg/L	100	10.0	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		11.6	mg/L	100	10.0	116	49.8 - 130.8

Sample: 205618 - MW-3

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[12]	**0.551**	mg/L	4.695	0.000200
2-Methylnaphthalene	[13]	**1.30**	mg/L	4.695	0.000200
1-Methylnaphthalene	[14]	**1.33**	mg/L	4.695	0.000200
Acenaphthylene		<0.000939	mg/L	4.695	0.000200
Acenaphthene		<0.000939	mg/L	4.695	0.000200
Dibenzofuran		**0.126**	mg/L	4.695	0.000200
Fluorene		<0.000939	mg/L	4.695	0.000200
Anthracene		<0.000939	mg/L	4.695	0.000200
Phenanthrene		**0.199**	mg/L	4.695	0.000200
Fluoranthene		<0.000939	mg/L	4.695	0.000200

[11] High surrogate recovery due to peak interference.

continued ...

[12] Estimated concentration value greater than standard range.

[13] Estimated concentration value greater than standard range.

[14] Estimated concentration value greater than standard range.

sample 205618 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.000939	mg/L	4.695	0.000200
Benzo(a)anthracene		<0.000939	mg/L	4.695	0.000200
Chrysene		<0.000939	mg/L	4.695	0.000200
Benzo(b)fluoranthene		<0.000939	mg/L	4.695	0.000200
Benzo(k)fluoranthene		<0.000939	mg/L	4.695	0.000200
Benzo(a)pyrene		<0.000939	mg/L	4.695	0.000200
Indeno(1,2,3-cd)pyrene		<0.000939	mg/L	4.695	0.000200
Dibenzo(a,h)anthracene		<0.000939	mg/L	4.695	0.000200
Benzo(g,h,i)perylene		<0.000939	mg/L	4.695	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0272	mg/L	4.695	0.0800	34	25.9 - 97.5
2-Fluorobiphenyl		0.0266	mg/L	4.695	0.0800	33	13.9 - 100
Terphenyl-d14	[15]	0.0289	mg/L	4.695	0.0800	36	37.7 - 114

Sample: 205618 - MW-3

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**723**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[16]	43.0	mg/L	10	10.0	430	70 - 130

Sample: 205618 - MW-3

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**175**	mg/L	100	0.100

[15] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[16] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.98	mg/L	100	10.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[17]	14.1	mg/L	100	10.0	141	70 - 130

Sample: 205619 - MW-4

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**45.1**	mg/L	500	0.00100
Toluene		**19.8**	mg/L	500	0.00100
Ethylbenzene		**6.40**	mg/L	500	0.00100
Xylene		**12.1**	mg/L	500	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		50.3	mg/L	500	50.0	101	87 - 105.2
4-Bromofluorobenzene (4-BFB)		56.7	mg/L	500	50.0	113	49.8 - 130.8

Sample: 205619 - MW-4

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[18]	**3.69**	mg/L	9.302	0.000200
2-Methylnaphthalene	[19]	**7.80**	mg/L	9.302	0.000200
1-Methylnaphthalene	[20]	**7.75**	mg/L	9.302	0.000200
Acenaphthylene		<0.00186	mg/L	9.302	0.000200
Acenaphthene		<0.00186	mg/L	9.302	0.000200
Dibenzofuran		**0.574**	mg/L	9.302	0.000200
Fluorene		<0.00186	mg/L	9.302	0.000200
Anthracene		<0.00186	mg/L	9.302	0.000200
Phenanthrene		**0.914**	mg/L	9.302	0.000200
Fluoranthene		<0.00186	mg/L	9.302	0.000200

[17] *High surrogate recovery due to peak interference.*

continued ...

[18] Estimated concentration value greater than standard range.

[19] Estimated concentration value greater than standard range.

[20] Estimated concentration value greater than standard range.

sample 205619 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.00186	mg/L	9.302	0.000200
Benzo(a)anthracene		<0.00186	mg/L	9.302	0.000200
Chrysene		<0.00186	mg/L	9.302	0.000200
Benzo(b)fluoranthene		<0.00186	mg/L	9.302	0.000200
Benzo(k)fluoranthene		<0.00186	mg/L	9.302	0.000200
Benzo(a)pyrene		<0.00186	mg/L	9.302	0.000200
Indeno(1,2,3-cd)pyrene		<0.00186	mg/L	9.302	0.000200
Dibenzo(a,h)anthracene		<0.00186	mg/L	9.302	0.000200
Benzo(g,h,i)perylene		<0.00186	mg/L	9.302	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[21]	0.134	mg/L	9.302	0.0800	168	25.9 - 97.5
2-Fluorobiphenyl		0.0501	mg/L	9.302	0.0800	63	13.9 - 100
Terphenyl-d14		0.0443	mg/L	9.302	0.0800	55	37.7 - 114

Sample: 205619 - MW-4

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**909**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[22]	54.0	mg/L	10	10.0	540	70 - 130

Sample: 205619 - MW-4

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**180**	mg/L	500	0.100

[21] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[22] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		49.5	mg/L	500	50.0	99	70 - 130
4-Bromofluorobenzene (4-BFB)	[23]	65.4	mg/L	500	50.0	131	70 - 130

Sample: 205620 - MW-5

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**15.0**	mg/L	50	0.00100
Toluene		**6.31**	mg/L	50	0.00100
Ethylbenzene		**0.856**	mg/L	50	0.00100
Xylene		**1.47**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.08	mg/L	50	5.00	102	87 - 105.2
4-Bromofluorobenzene (4-BFB)		5.77	mg/L	50	5.00	115	49.8 - 130.8

Sample: 205620 - MW-5

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.0489**	mg/L	23.256	0.000200
2-Methylnaphthalene		**0.184**	mg/L	23.256	0.000200
1-Methylnaphthalene		**0.192**	mg/L	23.256	0.000200
Acenaphthylene		<0.00465	mg/L	23.256	0.000200
Acenaphthene		<0.00465	mg/L	23.256	0.000200
Dibenzofuran		**0.0240**	mg/L	23.256	0.000200
Fluorene		<0.00465	mg/L	23.256	0.000200
Anthracene		<0.00465	mg/L	23.256	0.000200
Phenanthrene		**0.0414**	mg/L	23.256	0.000200
Fluoranthene		<0.00465	mg/L	23.256	0.000200
Pyrene		<0.00465	mg/L	23.256	0.000200
Benzo(a)anthracene		<0.00465	mg/L	23.256	0.000200

[23]High surrogate recovery due to peak interference.

continued ...

sample 205620 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chrysene		<0.00465	mg/L	23.256	0.000200
Benzo(b)fluoranthene		<0.00465	mg/L	23.256	0.000200
Benzo(k)fluoranthene		<0.00465	mg/L	23.256	0.000200
Benzo(a)pyrene		<0.00465	mg/L	23.256	0.000200
Indeno(1,2,3-cd)pyrene		<0.00465	mg/L	23.256	0.000200
Dibenzo(a,h)anthracene		<0.00465	mg/L	23.256	0.000200
Benzo(g,h,i)perylene		<0.00465	mg/L	23.256	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0280	mg/L	23.256	0.0800	35	25.9 - 97.5
2-Fluorobiphenyl		0.0175	mg/L	23.256	0.0800	22	13.9 - 100
Terphenyl-d14	[24]	0.0232	mg/L	23.256	0.0800	29	37.7 - 114

Sample: 205620 - MW-5

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**185**	mg/L	5	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[25]	20.5	mg/L	5	10.0	205	70 - 130

Sample: 205620 - MW-5

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**59.7**	mg/L	50	0.100

[24] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[25] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.98	mg/L	50	5.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[26]	6.54	mg/L	50	5.00	131	70 - 130

Sample: 205621 - MW-6

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**39.8**	mg/L	100	0.00100
Toluene		**21.8**	mg/L	100	0.00100
Ethylbenzene		**4.60**	mg/L	100	0.00100
Xylene		**7.09**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.98	mg/L	100	10.0	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		12.2	mg/L	100	10.0	122	49.8 - 130.8

Sample: 205621 - MW-6

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[27]	**2.12**	mg/L	4.608	0.000200
2-Methylnaphthalene	[28]	**4.80**	mg/L	4.608	0.000200
1-Methylnaphthalene	[29]	**4.46**	mg/L	4.608	0.000200
Acenaphthylene		<0.000922	mg/L	4.608	0.000200
Acenaphthene		<0.000922	mg/L	4.608	0.000200
Dibenzofuran		**0.332**	mg/L	4.608	0.000200
Fluorene		<0.000922	mg/L	4.608	0.000200
Anthracene		<0.000922	mg/L	4.608	0.000200
Phenanthrene		**0.542**	mg/L	4.608	0.000200
Fluoranthene		<0.000922	mg/L	4.608	0.000200

[26]High surrogate recovery due to peak interference.

continued ...

[27]Estimated concentration value greater than standard range.
[28]Estimated concentration value greater than standard range.
[29]Estimated concentration value greater than standard range.

sample 205621 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Pyrene		<0.000922	mg/L	4.608	0.000200
Benzo(a)anthracene		<0.000922	mg/L	4.608	0.000200
Chrysene		<0.000922	mg/L	4.608	0.000200
Benzo(b)fluoranthene		<0.000922	mg/L	4.608	0.000200
Benzo(k)fluoranthene		<0.000922	mg/L	4.608	0.000200
Benzo(a)pyrene		<0.000922	mg/L	4.608	0.000200
Indeno(1,2,3-cd)pyrene		<0.000922	mg/L	4.608	0.000200
Dibenzo(a,h)anthracene		<0.000922	mg/L	4.608	0.000200
Benzo(g,h,i)perylene		<0.000922	mg/L	4.608	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[30]	0.0908	mg/L	4.608	0.0800	114	25.9 - 97.5
2-Fluorobiphenyl		0.0365	mg/L	4.608	0.0800	46	13.9 - 100
Terphenyl-d14		0.0338	mg/L	4.608	0.0800	42	37.7 - 114

Sample: 205621 - MW-6

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**325**	mg/L	5	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[31]	27.0	mg/L	5	10.0	270	70 - 130

Sample: 205621 - MW-6

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**198**	mg/L	100	0.100

[30] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[31] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.68	mg/L	100	10.0	97	70 - 130
4-Bromofluorobenzene (4-BFB)	[32]	13.9	mg/L	100	10.0	139	70 - 130

Sample: 205622 - MW-7

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	49.8 - 130.8

Sample: 205622 - MW-7

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000184	mg/L	0.922	0.000200
2-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
1-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
Acenaphthylene		<0.000184	mg/L	0.922	0.000200
Acenaphthene		<0.000184	mg/L	0.922	0.000200
Dibenzofuran		<0.000184	mg/L	0.922	0.000200
Fluorene		<0.000184	mg/L	0.922	0.000200
Anthracene		<0.000184	mg/L	0.922	0.000200
Phenanthrene		<0.000184	mg/L	0.922	0.000200
Fluoranthene		<0.000184	mg/L	0.922	0.000200
Pyrene		<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene		<0.000184	mg/L	0.922	0.000200

[32] High surrogate recovery due to peak interference.

continued ...

sample 205622 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chrysene		<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene		<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene		<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene		<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[33]	0.0166	mg/L	0.922	0.0800	21	25.9 - 97.5
2-Fluorobiphenyl		0.0191	mg/L	0.922	0.0800	24	13.9 - 100
Terphenyl-d14		0.0487	mg/L	0.922	0.0800	61	37.7 - 114

Sample: 205623 - MW-8

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00880**	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)		0.103	mg/L	1	0.100	103	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	49.8 - 130.8

Sample: 205623 - MW-8

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

[33] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.000204**	mg/L	0.93	0.000200
2-Methylnaphthalene		**0.000263**	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		**0.00112**	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0324	mg/L	0.93	0.0800	40	25.9 - 97.5
2-Fluorobiphenyl		0.0325	mg/L	0.93	0.0800	41	13.9 - 100
Terphenyl-d14		0.0424	mg/L	0.93	0.0800	53	37.7 - 114

Sample: 205624 - MW-9

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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)		0.0972	mg/L	1	0.100	97	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0987	mg/L	1	0.100	99	49.8 - 130.8

Sample: 205624 - MW-9

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000186	mg/L	0.93	0.000200
2-Methylnaphthalene		**0.000190**	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		<0.000186	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[34]	0.0184	mg/L	0.93	0.0800	23	25.9 - 97.5
2-Fluorobiphenyl		0.0206	mg/L	0.93	0.0800	26	13.9 - 100
Terphenyl-d14		0.0365	mg/L	0.93	0.0800	46	37.7 - 114

Sample: 205625 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**3.60**	mg/L	100	0.00100
Toluene		**0.534**	mg/L	100	0.00100
Ethylbenzene		**0.491**	mg/L	100	0.00100

[34]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Continued ...

sample 205625 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.100	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.91	mg/L	100	10.0	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		9.93	mg/L	100	10.0	99	49.8 - 130.8

Sample: 205625 - MW-10

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.00492**	mg/L	0.926	0.000200
2-Methylnaphthalene		**0.00312**	mg/L	0.926	0.000200
1-Methylnaphthalene		**0.00497**	mg/L	0.926	0.000200
Acenaphthylene		<0.000185	mg/L	0.926	0.000200
Acenaphthene		<0.000185	mg/L	0.926	0.000200
Dibenzofuran		**0.000380**	mg/L	0.926	0.000200
Fluorene		<0.000185	mg/L	0.926	0.000200
Anthracene		<0.000185	mg/L	0.926	0.000200
Phenanthrene		<0.000185	mg/L	0.926	0.000200
Fluoranthene		<0.000185	mg/L	0.926	0.000200
Pyrene		<0.000185	mg/L	0.926	0.000200
Benzo(a)anthracene		<0.000185	mg/L	0.926	0.000200
Chrysene		<0.000185	mg/L	0.926	0.000200
Benzo(b)fluoranthene		<0.000185	mg/L	0.926	0.000200
Benzo(k)fluoranthene		<0.000185	mg/L	0.926	0.000200
Benzo(a)pyrene		<0.000185	mg/L	0.926	0.000200
Indeno(1,2,3-cd)pyrene		<0.000185	mg/L	0.926	0.000200
Dibenzo(a,h)anthracene		<0.000185	mg/L	0.926	0.000200
Benzo(g,h,i)perylene		<0.000185	mg/L	0.926	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0320	mg/L	0.926	0.0800	40	25.9 - 97.5
2-Fluorobiphenyl		0.0319	mg/L	0.926	0.0800	40	13.9 - 100
Terphenyl-d14		0.0425	mg/L	0.926	0.0800	53	37.7 - 114

Sample: 205626 - MW-11

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**21.8**	mg/L	100	0.00100
Toluene		**20.5**	mg/L	100	0.00100
Ethylbenzene		**5.13**	mg/L	100	0.00100
Xylene		**7.68**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.0	mg/L	100	10.0	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		11.6	mg/L	100	10.0	116	49.8 - 130.8

Sample: 205626 - MW-11

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[35]	**3.40**	mg/L	9.39	0.000200
2-Methylnaphthalene	[36]	**6.97**	mg/L	9.39	0.000200
1-Methylnaphthalene	[37]	**7.19**	mg/L	9.39	0.000200
Acenaphthylene		<0.00188	mg/L	9.39	0.000200
Acenaphthene		<0.00188	mg/L	9.39	0.000200
Dibenzofuran		**0.567**	mg/L	9.39	0.000200
Fluorene		**0.518**	mg/L	9.39	0.000200
Anthracene		**0.0629**	mg/L	9.39	0.000200
Phenanthrene		**0.860**	mg/L	9.39	0.000200
Fluoranthene		<0.00188	mg/L	9.39	0.000200
Pyrene		<0.00188	mg/L	9.39	0.000200
Benzo(a)anthracene		<0.00188	mg/L	9.39	0.000200
Chrysene		<0.00188	mg/L	9.39	0.000200
Benzo(b)fluoranthene		<0.00188	mg/L	9.39	0.000200
Benzo(k)fluoranthene		<0.00188	mg/L	9.39	0.000200

continued ...

[35]Estimated concentration value greater than standard range.
[36]Estimated concentration value greater than standard range.
[37]Estimated concentration value greater than standard range.

sample 205626 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(a)pyrene		<0.00188	mg/L	9.39	0.000200
Indeno(1,2,3-cd)pyrene		<0.00188	mg/L	9.39	0.000200
Dibenzo(a,h)anthracene		<0.00188	mg/L	9.39	0.000200
Benzo(g,h,i)perylene		<0.00188	mg/L	9.39	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[38]	0.0983	mg/L	9.39	0.0800	123	25.9 - 97.5
2-Fluorobiphenyl		0.0466	mg/L	9.39	0.0800	58	13.9 - 100
Terphenyl-d14		0.0484	mg/L	9.39	0.0800	60	37.7 - 114

Sample: 205626 - MW-11

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**796**	mg/L	10	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[39]	50.5	mg/L	10	10.0	505	70 - 130

Sample: 205626 - MW-11

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**162**	mg/L	100	0.100

[38] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.
[39] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.96	mg/L	100	10.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[40]	13.4	mg/L	100	10.0	134	70 - 130

Sample: 205627 - MW-12

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**26.8**	mg/L	100	0.00100
Toluene		**9.12**	mg/L	100	0.00100
Ethylbenzene		**2.40**	mg/L	100	0.00100
Xylene		**3.53**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.1	mg/L	100	10.0	101	87 - 105.2
4-Bromofluorobenzene (4-BFB)		10.6	mg/L	100	10.0	106	49.8 - 130.8

Sample: 205627 - MW-12

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[41]	**0.106**	mg/L	1	0.000200
2-Methylnaphthalene	[42]	**0.204**	mg/L	1	0.000200
1-Methylnaphthalene	[43]	**0.211**	mg/L	1	0.000200
Acenaphthylene		<0.000200	mg/L	1	0.000200
Acenaphthene		<0.000200	mg/L	1	0.000200
Dibenzofuran		**0.0216**	mg/L	1	0.000200
Fluorene		<0.000200	mg/L	1	0.000200
Anthracene		<0.000200	mg/L	1	0.000200
Phenanthrene		**0.0331**	mg/L	1	0.000200
Fluoranthene		<0.000200	mg/L	1	0.000200

[40] High surrogate recovery due to peak interference.

continued ...

[41] Estimated concentration value greater than standard range.
[42] Estimated concentration value greater than standard range.
[43] Estimated concentration value greater than standard range.

sample 205627 continued ...

Parameter	Flag	Result	RL Result	Units	Dilution	RL
Pyrene			<0.000200	mg/L	1	0.000200
Benzo(a)anthracene			<0.000200	mg/L	1	0.000200
Chrysene			<0.000200	mg/L	1	0.000200
Benzo(b)fluoranthene			<0.000200	mg/L	1	0.000200
Benzo(k)fluoranthene			<0.000200	mg/L	1	0.000200
Benzo(a)pyrene			<0.000200	mg/L	1	0.000200
Indeno(1,2,3-cd)pyrene			<0.000200	mg/L	1	0.000200
Dibenzo(a,h)anthracene			<0.000200	mg/L	1	0.000200
Benzo(g,h,i)perylene			<0.000200	mg/L	1	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0367	mg/L	1	0.0800	46	25.9 - 97.5
2-Fluorobiphenyl		0.0447	mg/L	1	0.0800	56	13.9 - 100
Terphenyl-d14		0.0481	mg/L	1	0.0800	60	37.7 - 114

Sample: 205627 - MW-12

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62607	Date Analyzed:	2009-08-17	Analyzed By:	kg
Prep Batch:	53426	Sample Preparation:	2009-08-17	Prepared By:	kg

Parameter	Flag	Result	RL Result	Units	Dilution	RL
DRO			**29.2**	mg/L	5	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.0	mg/L	5	10.0	120	70 - 130

Sample: 205627 - MW-12

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	Result	RL Result	Units	Dilution	RL
GRO			**95.6**	mg/L	100	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.94	mg/L	100	10.0	99	70 - 130
4-Bromofluorobenzene (4-BFB)		12.1	mg/L	100	10.0	121	70 - 130

Sample: 205628 - MW-13

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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)		0.0989	mg/L	1	0.100	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0947	mg/L	1	0.100	95	49.8 - 130.8

Sample: 205628 - MW-13

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000184	mg/L	0.922	0.000200
2-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
1-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
Acenaphthylene		<0.000184	mg/L	0.922	0.000200
Acenaphthene		<0.000184	mg/L	0.922	0.000200
Dibenzofuran		<0.000184	mg/L	0.922	0.000200
Fluorene		<0.000184	mg/L	0.922	0.000200
Anthracene		<0.000184	mg/L	0.922	0.000200
Phenanthrene		<0.000184	mg/L	0.922	0.000200
Fluoranthene		<0.000184	mg/L	0.922	0.000200
Pyrene		<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene		<0.000184	mg/L	0.922	0.000200

continued ...

sample 205628 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chrysene		<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene		<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene		<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene		<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0284	mg/L	0.922	0.0800	36	25.9 - 97.5
2-Fluorobiphenyl		0.0284	mg/L	0.922	0.0800	36	13.9 - 100
Terphenyl-d14		0.0349	mg/L	0.922	0.0800	44	37.7 - 114

Sample: 205629 - MW-14

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**31.2**	mg/L	100	0.00100
Toluene		**16.9**	mg/L	100	0.00100
Ethylbenzene		**3.25**	mg/L	100	0.00100
Xylene		**4.94**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.86	mg/L	100	10.0	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		9.99	mg/L	100	10.0	100	49.8 - 130.8

Sample: 205629 - MW-14

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.193**	mg/L	4.673	0.000200
2-Methylnaphthalene		**0.429**	mg/L	4.673	0.000200
1-Methylnaphthalene		**0.442**	mg/L	4.673	0.000200
Acenaphthylene		<0.000935	mg/L	4.673	0.000200
Acenaphthene		<0.000935	mg/L	4.673	0.000200
Dibenzofuran		**0.0434**	mg/L	4.673	0.000200
Fluorene		<0.000935	mg/L	4.673	0.000200
Anthracene		<0.000935	mg/L	4.673	0.000200
Phenanthrene		**0.0671**	mg/L	4.673	0.000200
Fluoranthene		<0.000935	mg/L	4.673	0.000200
Pyrene		<0.000935	mg/L	4.673	0.000200
Benzo(a)anthracene		<0.000935	mg/L	4.673	0.000200
Chrysene		<0.000935	mg/L	4.673	0.000200
Benzo(b)fluoranthene		<0.000935	mg/L	4.673	0.000200
Benzo(k)fluoranthene		<0.000935	mg/L	4.673	0.000200
Benzo(a)pyrene		<0.000935	mg/L	4.673	0.000200
Indeno(1,2,3-cd)pyrene		<0.000935	mg/L	4.673	0.000200
Dibenzo(a,h)anthracene		<0.000935	mg/L	4.673	0.000200
Benzo(g,h,i)perylene		<0.000935	mg/L	4.673	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[44]	0.0156	mg/L	4.673	0.0800	20	25.9 - 97.5
2-Fluorobiphenyl		0.0179	mg/L	4.673	0.0800	22	13.9 - 100
Terphenyl-d14	[45]	0.0213	mg/L	4.673	0.0800	27	37.7 - 114

Sample: 205629 - MW-14

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62741	Date Analyzed:	2009-08-21	Analyzed By:	kg
Prep Batch:	53539	Sample Preparation:	2009-08-21	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**540**	mg/L	5	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[46]	48.0	mg/L	5	10.0	480	70 - 130

[44]Surrogate recovery outside control limits due to matrix effect. •
[45]Surrogate recovery outside control limits due to matrix effect. •
[46]High surrogate recovery due to peak interference.

Sample: 205629 - MW-14

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**140**	mg/L	100	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.72	mg/L	100	10.0	97	70 - 130
4-Bromofluorobenzene (4-BFB)		11.3	mg/L	100	10.0	113	70 - 130

Sample: 205630 - MW-15

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**29.5**	mg/L	100	0.00100
Toluene		**30.1**	mg/L	100	0.00100
Ethylbenzene		**9.27**	mg/L	100	0.00100
Xylene		**15.0**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.94	mg/L	100	10.0	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		11.3	mg/L	100	10.0	113	49.8 - 130.8

Sample: 205630 - MW-15

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

continued ...

sample 205630 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[47]	**1.37**	mg/L	4.608	0.000200
2-Methylnaphthalene	[48]	**3.02**	mg/L	4.608	0.000200
1-Methylnaphthalene	[49]	**3.07**	mg/L	4.608	0.000200
Acenaphthylene		<0.000922	mg/L	4.608	0.000200
Acenaphthene		<0.000922	mg/L	4.608	0.000200
Dibenzofuran		**0.237**	mg/L	4.608	0.000200
Fluorene		**0.226**	mg/L	4.608	0.000200
Anthracene		<0.000922	mg/L	4.608	0.000200
Phenanthrene		**0.377**	mg/L	4.608	0.000200
Fluoranthene		<0.000922	mg/L	4.608	0.000200
Pyrene		<0.000922	mg/L	4.608	0.000200
Benzo(a)anthracene		<0.000922	mg/L	4.608	0.000200
Chrysene		<0.000922	mg/L	4.608	0.000200
Benzo(b)fluoranthene		<0.000922	mg/L	4.608	0.000200
Benzo(k)fluoranthene		<0.000922	mg/L	4.608	0.000200
Benzo(a)pyrene		<0.000922	mg/L	4.608	0.000200
Indeno(1,2,3-cd)pyrene		<0.000922	mg/L	4.608	0.000200
Dibenzo(a,h)anthracene		<0.000922	mg/L	4.608	0.000200
Benzo(g,h,i)perylene		<0.000922	mg/L	4.608	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0457	mg/L	4.608	0.0800	57	25.9 - 97.5
2-Fluorobiphenyl		0.0137	mg/L	4.608	0.0800	17	13.9 - 100
Terphenyl-d14	[50]	0.0143	mg/L	4.608	0.0800	18	37.7 - 114

Sample: 205630 - MW-15

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62741	Date Analyzed:	2009-08-21	Analyzed By:	kg
Prep Batch:	53539	Sample Preparation:	2009-08-21	Prepared By:	kg

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**96.6**	mg/L	1	5.00

[47]Estimated concentration value greater than standard range.
[48]Estimated concentration value greater than standard range.
[49]Estimated concentration value greater than standard range.
[50]8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[51]	16.5	mg/L	1	10.0	165	70 - 130

Sample: 205630 - MW-15

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62502	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**329**	mg/L	100	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.0	mg/L	100	10.0	100	70 - 130
4-Bromofluorobenzene (4-BFB)	[52]	14.3	mg/L	100	10.0	143	70 - 130

Sample: 205631 - MW-16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		**0.00530**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.0108**	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	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0938	mg/L	1	0.100	94	49.8 - 130.8

Sample: 205631 - MW-16

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

[51] High surrogate recovery due to peak interference.
[52] High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.000255**	mg/L	0.926	0.000200
2-Methylnaphthalene		**0.000361**	mg/L	0.926	0.000200
1-Methylnaphthalene		**0.000377**	mg/L	0.926	0.000200
Acenaphthylene		<0.000185	mg/L	0.926	0.000200
Acenaphthene		<0.000185	mg/L	0.926	0.000200
Dibenzofuran		<0.000185	mg/L	0.926	0.000200
Fluorene		<0.000185	mg/L	0.926	0.000200
Anthracene		<0.000185	mg/L	0.926	0.000200
Phenanthrene		<0.000185	mg/L	0.926	0.000200
Fluoranthene		<0.000185	mg/L	0.926	0.000200
Pyrene		<0.000185	mg/L	0.926	0.000200
Benzo(a)anthracene		<0.000185	mg/L	0.926	0.000200
Chrysene		<0.000185	mg/L	0.926	0.000200
Benzo(b)fluoranthene		<0.000185	mg/L	0.926	0.000200
Benzo(k)fluoranthene		<0.000185	mg/L	0.926	0.000200
Benzo(a)pyrene		<0.000185	mg/L	0.926	0.000200
Indeno(1,2,3-cd)pyrene		<0.000185	mg/L	0.926	0.000200
Dibenzo(a,h)anthracene		<0.000185	mg/L	0.926	0.000200
Benzo(g,h,i)perylene		<0.000185	mg/L	0.926	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[53]	0.0149	mg/L	0.926	0.0800	19	25.9 - 97.5
2-Fluorobiphenyl		0.0191	mg/L	0.926	0.0800	24	13.9 - 100
Terphenyl-d14		0.0443	mg/L	0.926	0.0800	55	37.7 - 114

Sample: 205632 - MW-17

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62649	Date Analyzed:	2009-08-18	Analyzed By:	ME
Prep Batch:	53460	Sample Preparation:	2009-08-18	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**32.9**	mg/L	200	0.00100
Toluene		**12.9**	mg/L	200	0.00100
Ethylbenzene		**2.92**	mg/L	200	0.00100
Xylene		**4.86**	mg/L	200	0.00100

[53] 8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		20.6	mg/L	200	20.0	103	87 - 105.2
4-Bromofluorobenzene (4-BFB)		21.3	mg/L	200	20.0	106	49.8 - 130.8

Sample: 205632 - MW-17

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[54]	**0.102**	mg/L	0.922	0.000200
2-Methylnaphthalene	[55]	**0.186**	mg/L	0.922	0.000200
1-Methylnaphthalene	[56]	**0.189**	mg/L	0.922	0.000200
Acenaphthylene		<0.000184	mg/L	0.922	0.000200
Acenaphthene		<0.000184	mg/L	0.922	0.000200
Dibenzofuran		**0.0194**	mg/L	0.922	0.000200
Fluorene		<0.000184	mg/L	0.922	0.000200
Anthracene		<0.000184	mg/L	0.922	0.000200
Phenanthrene		**0.0283**	mg/L	0.922	0.000200
Fluoranthene		<0.000184	mg/L	0.922	0.000200
Pyrene		<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene		<0.000184	mg/L	0.922	0.000200
Chrysene		<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene		<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene		<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene		<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0300	mg/L	0.922	0.0800	38	25.9 - 97.5
2-Fluorobiphenyl		0.0337	mg/L	0.922	0.0800	42	13.9 - 100
Terphenyl-d14		0.0314	mg/L	0.922	0.0800	39	37.7 - 114

Sample: 205632 - MW-17

Laboratory:	Midland				
Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	62741	Date Analyzed:	2009-08-21	Analyzed By:	kg
Prep Batch:	53539	Sample Preparation:	2009-08-21	Prepared By:	kg

[54]Estimated concentration value greater than standard range.
[55]Estimated concentration value greater than standard range.
[56]Estimated concentration value greater than standard range.

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<5.00	mg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.3	mg/L	1	10.0	123	70 - 130

Sample: 205632 - MW-17

Laboratory:	Midland				
Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5030B
QC Batch:	62650	Date Analyzed:	2009-08-18	Analyzed By:	ME
Prep Batch:	53460	Sample Preparation:	2009-08-18	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**111**	mg/L	200	0.100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		19.6	mg/L	200	20.0	98	70 - 130
4-Bromofluorobenzene (4-BFB)		23.6	mg/L	200	20.0	118	70 - 130

Sample: 205633 - MW-18

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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)		0.0987	mg/L	1	0.100	99	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0936	mg/L	1	0.100	94	49.8 - 130.8

Sample: 205633 - MW-18

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000184	mg/L	0.922	0.000200
2-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
1-Methylnaphthalene		<0.000184	mg/L	0.922	0.000200
Acenaphthylene		<0.000184	mg/L	0.922	0.000200
Acenaphthene		<0.000184	mg/L	0.922	0.000200
Dibenzofuran		<0.000184	mg/L	0.922	0.000200
Fluorene		<0.000184	mg/L	0.922	0.000200
Anthracene		<0.000184	mg/L	0.922	0.000200
Phenanthrene		<0.000184	mg/L	0.922	0.000200
Fluoranthene		<0.000184	mg/L	0.922	0.000200
Pyrene		<0.000184	mg/L	0.922	0.000200
Benzo(a)anthracene		<0.000184	mg/L	0.922	0.000200
Chrysene		<0.000184	mg/L	0.922	0.000200
Benzo(b)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(k)fluoranthene		<0.000184	mg/L	0.922	0.000200
Benzo(a)pyrene		<0.000184	mg/L	0.922	0.000200
Indeno(1,2,3-cd)pyrene		<0.000184	mg/L	0.922	0.000200
Dibenzo(a,h)anthracene		<0.000184	mg/L	0.922	0.000200
Benzo(g,h,i)perylene		<0.000184	mg/L	0.922	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0361	mg/L	0.922	0.0800	45	25.9 - 97.5
2-Fluorobiphenyl		0.0369	mg/L	0.922	0.0800	46	13.9 - 100
Terphenyl-d14		0.0529	mg/L	0.922	0.0800	66	37.7 - 114

Sample: 205634 - MW-19

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

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

continued ...

sample 205634 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
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)		0.0996	mg/L	1	0.100	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0942	mg/L	1	0.100	94	49.8 - 130.8

Sample: 205634 - MW-19

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62647	Date Analyzed:	2009-08-18	Analyzed By:	MN
Prep Batch:	53458	Sample Preparation:	2009-08-18	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000186	mg/L	0.93	0.000200
2-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		<0.000186	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0373	mg/L	0.93	0.0800	47	25.9 - 97.5
2-Fluorobiphenyl		0.0389	mg/L	0.93	0.0800	49	13.9 - 100
Terphenyl-d14		0.0557	mg/L	0.93	0.0800	70	37.7 - 114

Sample: 205635 - MW-20

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62501	Date Analyzed:	2009-08-14	Analyzed By:	ME
Prep Batch:	53322	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**21.1**	mg/L	50	0.00100
Toluene		**1.14**	mg/L	50	0.00100
Ethylbenzene		**1.65**	mg/L	50	0.00100
Xylene		**1.46**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.13	mg/L	50	5.00	103	87 - 105.2
4-Bromofluorobenzene (4-BFB)		4.94	mg/L	50	5.00	99	49.8 - 130.8

Sample: 205635 - MW-20

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		**0.000802**	mg/L	0.935	0.000200
2-Methylnaphthalene		<0.000187	mg/L	0.935	0.000200
1-Methylnaphthalene		**0.000588**	mg/L	0.935	0.000200
Acenaphthylene		<0.000187	mg/L	0.935	0.000200
Acenaphthene		<0.000187	mg/L	0.935	0.000200
Dibenzofuran		<0.000187	mg/L	0.935	0.000200
Fluorene		<0.000187	mg/L	0.935	0.000200
Anthracene		<0.000187	mg/L	0.935	0.000200
Phenanthrene		<0.000187	mg/L	0.935	0.000200
Fluoranthene		<0.000187	mg/L	0.935	0.000200
Pyrene		<0.000187	mg/L	0.935	0.000200
Benzo(a)anthracene		<0.000187	mg/L	0.935	0.000200
Chrysene		<0.000187	mg/L	0.935	0.000200
Benzo(b)fluoranthene		<0.000187	mg/L	0.935	0.000200
Benzo(k)fluoranthene		<0.000187	mg/L	0.935	0.000200
Benzo(a)pyrene		<0.000187	mg/L	0.935	0.000200
Indeno(1,2,3-cd)pyrene		<0.000187	mg/L	0.935	0.000200
Dibenzo(a,h)anthracene		<0.000187	mg/L	0.935	0.000200

continued ...

sample 205635 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzo(g,h,i)perylene		<0.000187		mg/L	0.935	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[57]	0.0177	mg/L	0.935	0.0800	22	25.9 - 97.5
2-Fluorobiphenyl		0.0171	mg/L	0.935	0.0800	21	13.9 - 100
Terphenyl-d14	[58]	0.0218	mg/L	0.935	0.0800	27	37.7 - 114

Sample: 205636 - MW-21

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62503	Date Analyzed:	2009-08-15	Analyzed By:	ME
Prep Batch:	53323	Sample Preparation:	2009-08-14	Prepared By:	ME

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**0.454**		mg/L	20	0.00100
Toluene		<0.0200		mg/L	20	0.00100
Ethylbenzene		**0.282**		mg/L	20	0.00100
Xylene		**0.190**		mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/L	20	2.00	100	87 - 105.2
4-Bromofluorobenzene (4-BFB)		1.98	mg/L	20	2.00	99	49.8 - 130.8

Sample: 205636 - MW-21

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	Result	RL	Units	Dilution	RL
Naphthalene		<0.000187		mg/L	0.935	0.000200
2-Methylnaphthalene		<0.000187		mg/L	0.935	0.000200
1-Methylnaphthalene		<0.000187		mg/L	0.935	0.000200
Acenaphthylene		<0.000187		mg/L	0.935	0.000200
Acenaphthene		<0.000187		mg/L	0.935	0.000200

[57] 8270 Only - Two basic surrogates are out of control limits. The other basic surrogate shows extraction was performed properly.

[58] 8270 Only - Two basic surrogates are out of control limits. The other basic surrogate shows extraction was performed properly.

continued ...

sample 205636 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dibenzofuran		<0.000187	mg/L	0.935	0.000200
Fluorene		<0.000187	mg/L	0.935	0.000200
Anthracene		<0.000187	mg/L	0.935	0.000200
Phenanthrene		<0.000187	mg/L	0.935	0.000200
Fluoranthene		<0.000187	mg/L	0.935	0.000200
Pyrene		<0.000187	mg/L	0.935	0.000200
Benzo(a)anthracene		<0.000187	mg/L	0.935	0.000200
Chrysene		<0.000187	mg/L	0.935	0.000200
Benzo(b)fluoranthene		<0.000187	mg/L	0.935	0.000200
Benzo(k)fluoranthene		<0.000187	mg/L	0.935	0.000200
Benzo(a)pyrene		<0.000187	mg/L	0.935	0.000200
Indeno(1,2,3-cd)pyrene		<0.000187	mg/L	0.935	0.000200
Dibenzo(a,h)anthracene		<0.000187	mg/L	0.935	0.000200
Benzo(g,h,i)perylene		<0.000187	mg/L	0.935	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0388	mg/L	0.935	0.0800	48	25.9 - 97.5
2-Fluorobiphenyl		0.0378	mg/L	0.935	0.0800	47	13.9 - 100
Terphenyl-d14		0.0479	mg/L	0.935	0.0800	60	37.7 - 114

Sample: 205637 - MW-22

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62503	Date Analyzed:	2009-08-15	Analyzed By:	ME
Prep Batch:	53323	Sample Preparation:	2009-08-14	Prepared By:	ME

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		**0.0163**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0970	mg/L	1	0.100	97	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0989	mg/L	1	0.100	99	49.8 - 130.8

Sample: 205637 - MW-22

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene	[59]	<0.00188	mg/L	9.39	0.000200
2-Methylnaphthalene		<0.00188	mg/L	9.39	0.000200
1-Methylnaphthalene		<0.00188	mg/L	9.39	0.000200
Acenaphthylene		<0.00188	mg/L	9.39	0.000200
Acenaphthene		<0.00188	mg/L	9.39	0.000200
Dibenzofuran		<0.00188	mg/L	9.39	0.000200
Fluorene		<0.00188	mg/L	9.39	0.000200
Anthracene		<0.00188	mg/L	9.39	0.000200
Phenanthrene		<0.00188	mg/L	9.39	0.000200
Fluoranthene		<0.00188	mg/L	9.39	0.000200
Pyrene		<0.00188	mg/L	9.39	0.000200
Benzo(a)anthracene		<0.00188	mg/L	9.39	0.000200
Chrysene		<0.00188	mg/L	9.39	0.000200
Benzo(b)fluoranthene		<0.00188	mg/L	9.39	0.000200
Benzo(k)fluoranthene		<0.00188	mg/L	9.39	0.000200
Benzo(a)pyrene		<0.00188	mg/L	9.39	0.000200
Indeno(1,2,3-cd)pyrene		<0.00188	mg/L	9.39	0.000200
Dibenzo(a,h)anthracene		<0.00188	mg/L	9.39	0.000200
Benzo(g,h,i)perylene		<0.00188	mg/L	9.39	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5	[60]	0.00650	mg/L	9.39	0.0800	8	25.9 - 97.5
2-Fluorobiphenyl		0.0123	mg/L	9.39	0.0800	15	13.9 - 100
Terphenyl-d14	[61]	0.0248	mg/L	9.39	0.0800	31	37.7 - 114

Sample: 205638 - MW-23

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62503	Date Analyzed:	2009-08-15	Analyzed By:	ME
Prep Batch:	53323	Sample Preparation:	2009-08-14	Prepared By:	ME

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

[59] Dilution due to matrix difficulties. • 8270 Only - Two basic surrogates are out of control limits due to dilution. The other basic surrogate shows extraction was performed properly.
[61] 8270 Only - Two basic surrogates are out of control limits due to dilution. The other basic surrogate shows extraction was performed properly.

Continued ...

sample 205638 continued ...

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0974	mg/L	1	0.100	97	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0923	mg/L	1	0.100	92	49.8 - 130.8

Sample: 205638 - MW-23

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000186	mg/L	0.93	0.000200
2-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		<0.000186	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0379	mg/L	0.93	0.0800	47	25.9 - 97.5
2-Fluorobiphenyl		0.0358	mg/L	0.93	0.0800	45	13.9 - 100
Terphenyl-d14		0.0493	mg/L	0.93	0.0800	62	37.7 - 114

Sample: 205639 - MW-24

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	62503	Date Analyzed:	2009-08-15	Analyzed By:	ME
Prep Batch:	53323	Sample Preparation:	2009-08-14	Prepared By:	ME

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)		0.0980	mg/L	1	0.100	98	87 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0943	mg/L	1	0.100	94	49.8 - 130.8

Sample: 205639 - MW-24

Laboratory:	Lubbock				
Analysis:	PAH	Analytical Method:	S 8270C	Prep Method:	S 3510C
QC Batch:	62896	Date Analyzed:	2009-08-26	Analyzed By:	MN
Prep Batch:	53688	Sample Preparation:	2009-08-19	Prepared By:	MN

Parameter	Flag	RL Result	Units	Dilution	RL
Naphthalene		<0.000186	mg/L	0.93	0.000200
2-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
1-Methylnaphthalene		<0.000186	mg/L	0.93	0.000200
Acenaphthylene		<0.000186	mg/L	0.93	0.000200
Acenaphthene		<0.000186	mg/L	0.93	0.000200
Dibenzofuran		<0.000186	mg/L	0.93	0.000200
Fluorene		<0.000186	mg/L	0.93	0.000200
Anthracene		<0.000186	mg/L	0.93	0.000200
Phenanthrene		<0.000186	mg/L	0.93	0.000200
Fluoranthene		<0.000186	mg/L	0.93	0.000200
Pyrene		<0.000186	mg/L	0.93	0.000200
Benzo(a)anthracene		<0.000186	mg/L	0.93	0.000200
Chrysene		<0.000186	mg/L	0.93	0.000200
Benzo(b)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(k)fluoranthene		<0.000186	mg/L	0.93	0.000200
Benzo(a)pyrene		<0.000186	mg/L	0.93	0.000200
Indeno(1,2,3-cd)pyrene		<0.000186	mg/L	0.93	0.000200
Dibenzo(a,h)anthracene		<0.000186	mg/L	0.93	0.000200

continued ...

sample 205639 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Benzo(g,h,i)perylene		<0.000186	mg/L	0.93	0.000200

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0429	mg/L	0.93	0.0800	54	25.9 - 97.5
2-Fluorobiphenyl		0.0410	mg/L	0.93	0.0800	51	13.9 - 100
Terphenyl-d14		0.0493	mg/L	0.93	0.0800	62	37.7 - 114

Method Blank (1) QC Batch: 62460

QC Batch: 62460 Date Analyzed: 2009-08-13 Analyzed By: ME
Prep Batch: 53287 QC Preparation: 2009-08-13 Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0993	mg/L	1	0.100	99	85.4 - 105.2
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	52.8 - 124.2

Method Blank (1) QC Batch: 62501

QC Batch: 62501 Date Analyzed: 2009-08-14 Analyzed By: ME
Prep Batch: 53322 QC Preparation: 2009-08-14 Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0981	mg/L	1	0.100	98	85.4 - 105.2
4-Bromofluorobenzene (4-BFB)		0.116	mg/L	1	0.100	116	52.8 - 124.2

Method Blank (1) QC Batch: 62502

QC Batch: 62502 | Date Analyzed: 2009-08-14 | Analyzed By: ME
Prep Batch: 53322 | QC Preparation: 2009-08-14 | Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0351	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0966	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)		0.126	mg/L	1	0.100	126	70 - 130

Method Blank (1) QC Batch: 62503

QC Batch: 62503 | Date Analyzed: 2009-08-15 | Analyzed By: ME
Prep Batch: 53323 | QC Preparation: 2009-08-14 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0981	mg/L	1	0.100	98	85.4 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0980	mg/L	1	0.100	98	52.8 - 124.2

Method Blank (1) QC Batch: 62607

QC Batch: 62607 | Date Analyzed: 2009-08-17 | Analyzed By: kg
Prep Batch: 53426 | QC Preparation: 2009-08-17 | Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<0.801	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.0	mg/L	1	10.0	120	70 - 160

Method Blank (1) QC Batch: 62647

QC Batch: 62647 | Date Analyzed: 2009-08-18 | Analyzed By: MN
Prep Batch: 53458 | QC Preparation: 2009-08-18 | Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
Naphthalene		<0.0000784	mg/L	0.0002
2-Methylnaphthalene		<0.0000747	mg/L	0.0002
1-Methylnaphthalene		<0.0000575	mg/L	0.0002
Acenaphthylene		<0.0000963	mg/L	0.0002
Acenaphthene		<0.0000617	mg/L	0.0002
Dibenzofuran		<0.0000952	mg/L	0.0002
Fluorene		<0.000134	mg/L	0.0002
Anthracene		<0.000441	mg/L	0.0002
Phenanthrene		<0.000435	mg/L	0.0002
Fluoranthene		<0.000476	mg/L	0.0002
Pyrene		<0.000590	mg/L	0.0002
Benzo(a)anthracene		<0.000118	mg/L	0.0002
Chrysene		<0.0000766	mg/L	0.0002
Benzo(b)fluoranthene		<0.000146	mg/L	0.0002
Benzo(k)fluoranthene		<0.000141	mg/L	0.0002
Benzo(a)pyrene		<0.000132	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.0000702	mg/L	0.0002
Dibenzo(a,h)anthracene		<0.0000534	mg/L	0.0002
Benzo(g,h,i)perylene		<0.0000473	mg/L	0.0002

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0350	mg/L	1	0.0800	44	25.9 - 97.5
2-Fluorobiphenyl		0.0341	mg/L	1	0.0800	43	13.9 - 100
Terphenyl-d14		0.0459	mg/L	1	0.0800	57	37.7 - 114

Method Blank (1) QC Batch: 62649

QC Batch: 62649 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0975	mg/L	1	0.100	98	85.4 - 105.2
4-Bromofluorobenzene (4-BFB)		0.0910	mg/L	1	0.100	91	52.8 - 124.2

Method Blank (1) QC Batch: 62650

QC Batch: 62650 Date Analyzed: 2009-08-18 Analyzed By: ME
Prep Batch: 53460 QC Preparation: 2009-08-18 Prepared By: ME

Parameter	Flag	MDL Result	Units	RL
GRO		<0.0351	mg/L	0.1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0969	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	70 - 130

Method Blank (1) QC Batch: 62741

QC Batch: 62741 Date Analyzed: 2009-08-21 Analyzed By: kg
Prep Batch: 53539 QC Preparation: 2009-08-21 Prepared By: kg

Parameter	Flag	MDL Result	Units	RL
DRO		<0.801	mg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		12.3	mg/L	1	10.0	123	70 - 160

Method Blank (1) QC Batch: 62896

QC Batch: 62896 Date Analyzed: 2009-08-26 Analyzed By: MN
Prep Batch: 53688 QC Preparation: 2009-08-19 Prepared By: MN

Parameter	Flag	MDL Result	Units	RL
Naphthalene		<0.0000784	mg/L	0.0002
2-Methylnaphthalene		<0.0000747	mg/L	0.0002
1-Methylnaphthalene		<0.0000575	mg/L	0.0002
Acenaphthylene		<0.0000963	mg/L	0.0002

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Acenaphthene		<0.0000617	mg/L	0.0002
Dibenzofuran		<0.0000952	mg/L	0.0002
Fluorene		<0.000134	mg/L	0.0002
Anthracene		<0.000441	mg/L	0.0002
Phenanthrene		<0.000435	mg/L	0.0002
Fluoranthene		<0.000476	mg/L	0.0002
Pyrene		<0.000590	mg/L	0.0002
Benzo(a)anthracene		<0.000118	mg/L	0.0002
Chrysene		<0.0000766	mg/L	0.0002
Benzo(b)fluoranthene		<0.000146	mg/L	0.0002
Benzo(k)fluoranthene		<0.000141	mg/L	0.0002
Benzo(a)pyrene		<0.000132	mg/L	0.0002
Indeno(1,2,3-cd)pyrene		<0.0000702	mg/L	0.0002
Dibenzo(a,h)anthracene		<0.0000534	mg/L	0.0002
Benzo(g,h,i)perylene		<0.0000473	mg/L	0.0002

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Nitrobenzene-d5		0.0685	mg/L	1	0.0800	86	25.9 - 97.5
2-Fluorobiphenyl		0.0649	mg/L	1	0.0800	81	13.9 - 100
Terphenyl-d14		0.0595	mg/L	1	0.0800	74	37.7 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 62460 | Date Analyzed: 2009-08-13 | Analyzed By: ME
Prep Batch: 53287 | QC Preparation: 2009-08-13 | Prepared By: ME

Param		LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[62]	0.106	mg/L	1	0.100	<0.00110	106	74.3 - 123.4
Toluene		0.106	mg/L	1	0.100	<0.00100	106	70.1 - 126.2
Ethylbenzene		0.105	mg/L	1	0.100	<0.00100	105	68.6 - 124.7
Xylene		0.315	mg/L	1	0.300	<0.00290	105	64.8 - 127.2

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	0.109	mg/L	1	0.100	<0.00110	109	74.3 - 123.4	3	20
Toluene	0.110	mg/L	1	0.100	<0.00100	110	70.1 - 126.2	4	20
Ethylbenzene	0.111	mg/L	1	0.100	<0.00100	111	68.6 - 124.7	6	20

continued ...

[62]SPECIAL - MS/MSD was run but not reported due to sample out of standard range limits. •

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Xylene	0.337	mg/L	1	0.300	<0.00290	112	64.8 - 127.2	7	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)	0.0994	0.0987	mg/L	1	0.100	99	99	84.8 - 110.8
4-Bromofluorobenzene (4-BFB)	0.108	0.111	mg/L	1	0.100	108	111	51.7 - 134.7

Laboratory Control Spike (LCS-1)

QC Batch: 62501 | Date Analyzed: 2009-08-14 | Analyzed By: ME
Prep Batch: 53322 | QC Preparation: 2009-08-14 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.110	mg/L	1	0.100	<0.00110	110	74.3 - 123.4
Toluene	0.110	mg/L	1	0.100	<0.00100	110	70.1 - 126.2
Ethylbenzene	0.110	mg/L	1	0.100	<0.00100	110	68.6 - 124.7
Xylene	0.335	mg/L	1	0.300	<0.00290	112	64.8 - 127.2

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	0.114	mg/L	1	0.100	<0.00110	114	74.3 - 123.4	4	20
Toluene	0.115	mg/L	1	0.100	<0.00100	115	70.1 - 126.2	4	20
Ethylbenzene	0.118	mg/L	1	0.100	<0.00100	118	68.6 - 124.7	7	20
Xylene	0.361	mg/L	1	0.300	<0.00290	120	64.8 - 127.2	8	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)	0.101	0.101	mg/L	1	0.100	101	101	84.8 - 110.8
4-Bromofluorobenzene (4-BFB)	0.122	0.124	mg/L	1	0.100	122	124	51.7 - 134.7

Laboratory Control Spike (LCS-1)

QC Batch: 62502 | Date Analyzed: 2009-08-14 | Analyzed By: ME
Prep Batch: 53322 | QC Preparation: 2009-08-14 | Prepared By: ME

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.923	mg/L	1	1.00	<0.0351	92	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.894	mg/L	1	1.00	<0.0351	89	70 - 130	3	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)	0.101	0.102	mg/L	1	0.100	101	102	70 - 130
4-Bromofluorobenzene (4-BFB)	0.126	0.127	mg/L	1	0.100	126	127	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62503 | Date Analyzed: 2009-08-15 | Analyzed By: ME
Prep Batch: 53323 | QC Preparation: 2009-08-14 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene [63]	0.106	mg/L	1	0.100	<0.00110	106	74.3 - 123.4
Toluene	0.105	mg/L	1	0.100	<0.00100	105	70.1 - 126.2
Ethylbenzene	0.105	mg/L	1	0.100	<0.00100	105	68.6 - 124.7
Xylene	0.316	mg/L	1	0.300	<0.00290	105	64.8 - 127.2

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	0.109	mg/L	1	0.100	<0.00110	109	74.3 - 123.4	3	20
Toluene	0.110	mg/L	1	0.100	<0.00100	110	70.1 - 126.2	5	20
Ethylbenzene	0.112	mg/L	1	0.100	<0.00100	112	68.6 - 124.7	6	20
Xylene	0.338	mg/L	1	0.300	<0.00290	113	64.8 - 127.2	7	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)	0.0969	0.100	mg/L	1	0.100	97	100	84.8 - 110.8
4-Bromofluorobenzene (4-BFB)	0.103	0.102	mg/L	1	0.100	103	102	51.7 - 134.7

[63]SPECIAL - MS/MSD was run but not reported due to sample out of range •

Laboratory Control Spike (LCS-1)

QC Batch: 62607 | Date Analyzed: 2009-08-17 | Analyzed By: kg
Prep Batch: 53426 | QC Preparation: 2009-08-17 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	23.8	mg/L	1	25.0	<0.801	95	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	23.9	mg/L	1	25.0	<0.801	96	70 - 130	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	12.4	12.5	mg/L	1	10.0	124	125	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62647 | Date Analyzed: 2009-08-18 | Analyzed By: MN
Prep Batch: 53458 | QC Preparation: 2009-08-18 | Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	0.0275	mg/L	1	0.0800	<0.0000784	34	22.2 - 87.9
2-Methylnaphthalene	0.0295	mg/L	1	0.0800	<0.0000747	37	23.3 - 86.1
1-Methylnaphthalene	0.0301	mg/L	1	0.0800	<0.0000575	38	24.6 - 87.8
Acenaphthylene	0.0360	mg/L	1	0.0800	<0.0000963	45	27.4 - 114
Acenaphthene	0.0351	mg/L	1	0.0800	<0.0000617	44	27.2 - 111
Dibenzofuran	0.0341	mg/L	1	0.0800	<0.0000952	43	27.3 - 100
Fluorene	0.0415	mg/L	1	0.0800	<0.000134	52	31.5 - 122
Anthracene	0.0492	mg/L	1	0.0800	<0.000441	62	32.4 - 115
Phenanthrene	0.0464	mg/L	1	0.0800	<0.000435	58	34.2 - 111
Fluoranthene	0.0558	mg/L	1	0.0800	<0.000476	70	40.1 - 114
Pyrene	0.0510	mg/L	1	0.0800	<0.000590	64	39.2 - 124
Benzo(a)anthracene	0.0495	mg/L	1	0.0800	<0.000118	62	39.4 - 114
Chrysene	0.0496	mg/L	1	0.0800	<0.0000766	62	38.2 - 116
Benzo(b)fluoranthene	0.0382	mg/L	1	0.0800	<0.000146	48	34.5 - 118
Benzo(k)fluoranthene	0.0699	mg/L	1	0.0800	<0.000141	87	38.7 - 133
Benzo(a)pyrene	0.0675	mg/L	1	0.0800	<0.000132	84	38 - 134
Indeno(1,2,3-cd)pyrene	0.0558	mg/L	1	0.0800	<0.0000702	70	34.6 - 124
Dibenzo(a,h)anthracene	0.0553	mg/L	1	0.0800	<0.0000534	69	33.9 - 120
Benzo(g,h,i)perylene	0.0564	mg/L	1	0.0800	<0.0000473	70	33.8 - 138

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	0.0249	mg/L	1	0.0800	<0.0000784	31	22.2 - 87.9	10	20
2-Methylnaphthalene	0.0262	mg/L	1	0.0800	<0.0000747	33	23.3 - 86.1	12	20
1-Methylnaphthalene	0.0271	mg/L	1	0.0800	<0.0000575	34	24.6 - 87.8	10	20
Acenaphthylene	0.0324	mg/L	1	0.0800	<0.0000963	40	27.4 - 114	10	20
Acenaphthene	0.0318	mg/L	1	0.0800	<0.0000617	40	27.2 - 111	10	20
Dibenzofuran	0.0301	mg/L	1	0.0800	<0.0000952	38	27.3 - 100	12	20
Fluorene	0.0373	mg/L	1	0.0800	<0.000134	47	31.5 - 122	11	20
Anthracene	0.0448	mg/L	1	0.0800	<0.000441	56	32.4 - 115	9	20
Phenanthrene	0.0420	mg/L	1	0.0800	<0.000435	52	34.2 - 111	10	20
Fluoranthene	0.0506	mg/L	1	0.0800	<0.000476	63	40.1 - 114	10	20
Pyrene	0.0461	mg/L	1	0.0800	<0.000590	58	39.2 - 124	10	20
Benzo(a)anthracene	0.0446	mg/L	1	0.0800	<0.000118	56	39.4 - 114	10	20
Chrysene	0.0450	mg/L	1	0.0800	<0.0000766	56	38.2 - 116	10	20
Benzo(b)fluoranthene	0.0417	mg/L	1	0.0800	<0.000146	52	34.5 - 118	9	20
Benzo(k)fluoranthene	0.0614	mg/L	1	0.0800	<0.000141	77	38.7 - 133	13	20
Benzo(a)pyrene	0.0630	mg/L	1	0.0800	<0.000132	79	38 - 134	7	20
Indeno(1,2,3-cd)pyrene	0.0516	mg/L	1	0.0800	<0.0000702	64	34.6 - 124	8	20
Dibenzo(a,h)anthracene	0.0508	mg/L	1	0.0800	<0.0000534	64	33.9 - 120	8	20
Benzo(g,h,i)perylene	0.0506	mg/L	1	0.0800	<0.0000473	63	33.8 - 138	11	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Nitrobenzene-d5	0.0285	0.0255	mg/L	1	0.0800	36	32	25.9 - 97.5
2-Fluorobiphenyl	0.0294	0.0266	mg/L	1	0.0800	37	33	13.9 - 100
Terphenyl-d14	0.0492	0.0445	mg/L	1	0.0800	62	56	37.7 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 62649 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0996	mg/L	1	0.100	<0.00110	100	74.3 - 123.4
Toluene	0.0977	mg/L	1	0.100	<0.00100	98	70.1 - 126.2
Ethylbenzene	0.0924	mg/L	1	0.100	<0.00100	92	68.6 - 124.7
Xylene	0.273	mg/L	1	0.300	<0.00290	91	64.8 - 127.2

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	0.104	mg/L	1	0.100	<0.00110	104	74.3 - 123.4	4	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Toluene	0.103	mg/L	1	0.100	<0.00100	103	70.1 - 126.2	5	20
Ethylbenzene	0.101	mg/L	1	0.100	<0.00100	101	68.6 - 124.7	9	20
Xylene	0.301	mg/L	1	0.300	<0.00290	100	64.8 - 127.2	10	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)	0.0974	0.0979	mg/L	1	0.100	97	98	84.8 - 110.8
4-Bromofluorobenzene (4-BFB)	0.0906	0.0957	mg/L	1	0.100	91	96	51.7 - 134.7

Laboratory Control Spike (LCS-1)

QC Batch: 62650 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	0.737	mg/L	1	1.00	<0.0351	74	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	0.709	mg/L	1	1.00	<0.0351	71	70 - 130	4	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0991	0.0996	mg/L	1	0.100	99	100	70 - 130
4-Bromofluorobenzene (4-BFB)	0.108	0.107	mg/L	1	0.100	108	107	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62741 | Date Analyzed: 2009-08-21 | Analyzed By: kg
Prep Batch: 53539 | QC Preparation: 2009-08-21 | Prepared By: kg

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	21.3	mg/L	1	25.0	<0.801	85	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	21.9	mg/L	1	25.0	<0.801	88	70 - 130	3	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
n-Triacontane	11.4	11.5	mg/L	1	10.0	114	115	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 62896 | Date Analyzed: 2009-08-26 | Analyzed By: MN
Prep Batch: 53688 | QC Preparation: 2009-08-19 | Prepared By: MN

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Naphthalene	0.0361	mg/L	1	0.0800	<0.0000784	45	22.2 - 87.9
2-Methylnaphthalene	0.0380	mg/L	1	0.0800	<0.0000747	48	23.3 - 86.1
1-Methylnaphthalene	0.0383	mg/L	1	0.0800	<0.0000575	48	24.6 - 87.8
Acenaphthylene	0.0455	mg/L	1	0.0800	<0.0000963	57	27.4 - 114
Acenaphthene	0.0452	mg/L	1	0.0800	<0.0000617	56	27.2 - 111
Dibenzofuran	0.0427	mg/L	1	0.0800	<0.0000952	53	27.3 - 100
Fluorene	0.0522	mg/L	1	0.0800	<0.000134	65	31.5 - 122
Anthracene	0.0474	mg/L	1	0.0800	<0.000441	59	32.4 - 115
Phenanthrene	0.0516	mg/L	1	0.0800	<0.000435	64	34.2 - 111
Fluoranthene	0.0567	mg/L	1	0.0800	<0.000476	71	40.1 - 114
Pyrene	0.0543	mg/L	1	0.0800	<0.000590	68	39.2 - 124
Benzo(a)anthracene	0.0500	mg/L	1	0.0800	<0.000118	62	39.4 - 114
Chrysene	0.0530	mg/L	1	0.0800	<0.0000766	66	38.2 - 116
Benzo(b)fluoranthene	0.0627	mg/L	1	0.0800	<0.000146	78	34.5 - 118
Benzo(k)fluoranthene	0.0632	mg/L	1	0.0800	<0.000141	79	38.7 - 133
Benzo(a)pyrene	0.0706	mg/L	1	0.0800	<0.000132	88	38 - 134
Indeno(1,2,3-cd)pyrene	0.0579	mg/L	1	0.0800	<0.0000702	72	34.6 - 124
Dibenzo(a,h)anthracene	0.0592	mg/L	1	0.0800	<0.0000534	74	33.9 - 120
Benzo(g,h,i)perylene	0.0572	mg/L	1	0.0800	<0.0000473	72	33.8 - 138

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Naphthalene	0.0367	mg/L	1	0.0800	<0.0000784	46	22.2 - 87.9	2	20
2-Methylnaphthalene	0.0385	mg/L	1	0.0800	<0.0000747	48	23.3 - 86.1	1	20
1-Methylnaphthalene	0.0396	mg/L	1	0.0800	<0.0000575	50	24.6 - 87.8	3	20
Acenaphthylene	0.0448	mg/L	1	0.0800	<0.0000963	56	27.4 - 114	2	20
Acenaphthene	0.0446	mg/L	1	0.0800	<0.0000617	56	27.2 - 111	1	20
Dibenzofuran	0.0418	mg/L	1	0.0800	<0.0000952	52	27.3 - 100	2	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluorene	0.0514	mg/L	1	0.0800	<0.000134	64	31.5 - 122	2	20
Anthracene	0.0453	mg/L	1	0.0800	<0.000441	57	32.4 - 115	4	20
Phenanthrene	0.0505	mg/L	1	0.0800	<0.000435	63	34.2 - 111	2	20
Fluoranthene	0.0560	mg/L	1	0.0800	<0.000476	70	40.1 - 114	1	20
Pyrene	0.0535	mg/L	1	0.0800	<0.000590	67	39.2 - 124	2	20
Benzo(a)anthracene	0.0503	mg/L	1	0.0800	<0.000118	63	39.4 - 114	1	20
Chrysene	0.0523	mg/L	1	0.0800	<0.0000766	65	38.2 - 116	1	20
Benzo(b)fluoranthene	0.0543	mg/L	1	0.0800	<0.000146	68	34.5 - 118	14	20
Benzo(k)fluoranthene	0.0609	mg/L	1	0.0800	<0.000141	76	38.7 - 133	4	20
Benzo(a)pyrene	0.0707	mg/L	1	0.0800	<0.000132	88	38 - 134	0	20
Indeno(1,2,3-cd)pyrene	0.0577	mg/L	1	0.0800	<0.0000702	72	34.6 - 124	0	20
Dibenzo(a,h)anthracene	0.0584	mg/L	1	0.0800	<0.0000534	73	33.9 - 120	1	20
Benzo(g,h,i)perylene	0.0581	mg/L	1	0.0800	<0.0000473	73	33.8 - 138	2	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Nitrobenzene-d5	0.0405	0.0392	mg/L	1	0.0800	51	49	25.9 - 97.5
2-Fluorobiphenyl	0.0378	0.0377	mg/L	1	0.0800	47	47	13.9 - 100
Terphenyl-d14	0.0520	0.0508	mg/L	1	0.0800	65	64	37.7 - 114

Matrix Spike (MS-1) Spiked Sample: 205620

QC Batch: 62607 | Date Analyzed: 2009-08-17 | Analyzed By: kg
Prep Batch: 53426 | QC Preparation: 2009-08-17 | Prepared By: kg

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	[64]	235	mg/L	5	25.0	185	200	70 - 130

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

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	[65]	140	mg/L	5	25.0	185	0	70 - 130	51	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
n-Triacontane	[66] [67]	20.8	15.2	mg/L	5	10	208	152	70 - 130

[64] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[65] Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
[66] High surrogate recovery due to peak interference.
[67] High surrogate recovery due to peak interference.

Matrix Spike (MS-1) Spiked Sample: 205968

QC Batch: 62649 | Date Analyzed: 2009-08-18 | Analyzed By: ME
Prep Batch: 53460 | QC Preparation: 2009-08-18 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	34.0	mg/L	100	10.0	22.7152	113	61 - 130
Toluene	13.7	mg/L	100	10.0	3.0366	107	69.2 - 121.4
Ethylbenzene	10.9	mg/L	100	10.0	1.0524	98	56.3 - 124.9
Xylene	32.1	mg/L	100	30.0	1.987	100	60.2 - 122.9

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	33.0	mg/L	100	10.0	22.7152	103	61 - 130	3	20
Toluene	13.1	mg/L	100	10.0	3.0366	101	69.2 - 121.4	4	20
Ethylbenzene	10.8	mg/L	100	10.0	1.0524	97	56.3 - 124.9	1	20
Xylene	31.7	mg/L	100	30.0	1.987	99	60.2 - 122.9	1	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)	10.2	10.1	mg/L	100	10	102	101	85.6 - 108.1
4-Bromofluorobenzene (4-BFB)	10.7	10.2	mg/L	100	10	107	102	53.7 - 127.3

Matrix Spike (MS-1) Spiked Sample: 206718

QC Batch: 62741 | Date Analyzed: 2009-08-21 | Analyzed By: kg
Prep Batch: 53539 | QC Preparation: 2009-08-21 | Prepared By: kg

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	32.4	mg/L	1	25.0	9.27	92	70 - 130

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	34.7	mg/L	1	25.0	9.27	102	70 - 130	7	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
n-Triacontane	10.8	10.6	mg/L	1	10	108	106	70 - 130

Standard (CCV-2)

QC Batch: 62460 Date Analyzed: 2009-08-13 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.115	115	80 - 120	2009-08-13
Toluene		mg/L	0.100	0.114	114	80 - 120	2009-08-13
Ethylbenzene		mg/L	0.100	0.114	114	80 - 120	2009-08-13
Xylene		mg/L	0.300	0.347	116	80 - 120	2009-08-13

Standard (CCV-3)

QC Batch: 62460 Date Analyzed: 2009-08-13 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.110	110	80 - 120	2009-08-13
Toluene		mg/L	0.100	0.110	110	80 - 120	2009-08-13
Ethylbenzene		mg/L	0.100	0.110	110	80 - 120	2009-08-13
Xylene		mg/L	0.300	0.331	110	80 - 120	2009-08-13

Standard (CCV-1)

QC Batch: 62501 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.112	112	80 - 120	2009-08-14
Toluene		mg/L	0.100	0.114	114	80 - 120	2009-08-14
Ethylbenzene		mg/L	0.100	0.116	116	80 - 120	2009-08-14
Xylene		mg/L	0.300	0.358	119	80 - 120	2009-08-14

Standard (CCV-2)

QC Batch: 62501 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.108	108	80 - 120	2009-08-14
Toluene		mg/L	0.100	0.108	108	80 - 120	2009-08-14
Ethylbenzene		mg/L	0.100	0.107	107	80 - 120	2009-08-14

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/L	0.300	0.323	108	80 - 120	2009-08-14

Standard (CCV-3)

QC Batch: 62501 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.117	117	80 - 120	2009-08-14
Toluene		mg/L	0.100	0.119	119	80 - 120	2009-08-14
Ethylbenzene		mg/L	0.100	0.118	118	80 - 120	2009-08-14
Xylene		mg/L	0.300	0.339	113	80 - 120	2009-08-14

Standard (CCV-1)

QC Batch: 62502 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.16	116	80 - 120	2009-08-14

Standard (CCV-2)

QC Batch: 62502 Date Analyzed: 2009-08-14 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.08	108	80 - 120	2009-08-14

Standard (CCV-1)

QC Batch: 62503 Date Analyzed: 2009-08-15 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	80 - 120	2009-08-15
Toluene		mg/L	0.100	0.105	105	80 - 120	2009-08-15

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene		mg/L	0.100	0.107	107	80 - 120	2009-08-15
Xylene		mg/L	0.300	0.323	108	80 - 120	2009-08-15

Standard (CCV-2)

QC Batch: 62503 Date Analyzed: 2009-08-15 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.107	107	80 - 120	2009-08-15
Toluene		mg/L	0.100	0.107	107	80 - 120	2009-08-15
Ethylbenzene		mg/L	0.100	0.106	106	80 - 120	2009-08-15
Xylene		mg/L	0.300	0.321	107	80 - 120	2009-08-15

Standard (CCV-1)

QC Batch: 62607 Date Analyzed: 2009-08-17 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	235	94	80 - 120	2009-08-17

Standard (CCV-2)

QC Batch: 62607 Date Analyzed: 2009-08-17 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	236	94	80 - 120	2009-08-17

Standard (CCV-3)

QC Batch: 62607 Date Analyzed: 2009-08-17 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	236	94	80 - 120	2009-08-17

Standard (CCV-1)

QC Batch: 62647 | Date Analyzed: 2009-08-18 | Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	57.6	96	80 - 120	2009-08-18
2-Methylnaphthalene		mg/L	60.0	64.2	107	80 - 120	2009-08-18
1-Methylnaphthalene		mg/L	60.0	65.0	108	80 - 120	2009-08-18
Acenaphthylene		mg/L	60.0	57.9	96	80 - 120	2009-08-18
Acenaphthene		mg/L	60.0	58.5	98	80 - 120	2009-08-18
Dibenzofuran		mg/L	60.0	59.6	99	80 - 120	2009-08-18
Fluorene		mg/L	60.0	62.7	104	80 - 120	2009-08-18
Anthracene		mg/L	60.0	57.5	96	80 - 120	2009-08-18
Phenanthrene		mg/L	60.0	56.1	94	80 - 120	2009-08-18
Fluoranthene		mg/L	60.0	54.5	91	80 - 120	2009-08-18
Pyrene		mg/L	60.0	57.6	96	80 - 120	2009-08-18
Benzo(a)anthracene		mg/L	60.0	57.2	95	80 - 120	2009-08-18
Chrysene		mg/L	60.0	57.1	95	80 - 120	2009-08-18
Benzo(b)fluoranthene		mg/L	60.0	57.7	96	80 - 120	2009-08-18
Benzo(k)fluoranthene		mg/L	60.0	68.0	113	80 - 120	2009-08-18
Benzo(a)pyrene		mg/L	60.0	69.1	115	80 - 120	2009-08-18
Indeno(1,2,3-cd)pyrene		mg/L	60.0	58.5	98	80 - 120	2009-08-18
Dibenzo(a,h)anthracene		mg/L	60.0	59.8	100	80 - 120	2009-08-18
Benzo(g,h,i)perylene		mg/L	60.0	57.3	96	80 - 120	2009-08-18

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		62.3	mg/L	1	60.0	104	80 - 120
2-Fluorobiphenyl		55.5	mg/L	1	60.0	92	80 - 120
Terphenyl-d14		54.5	mg/L	1	60.0	91	80 - 120

Standard (CCV-2)

QC Batch: 62647 | Date Analyzed: 2009-08-18 | Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	58.4	97	80 - 120	2009-08-18
2-Methylnaphthalene		mg/L	60.0	68.1	114	80 - 120	2009-08-18
1-Methylnaphthalene		mg/L	60.0	69.0	115	80 - 120	2009-08-18
Acenaphthylene		mg/L	60.0	59.3	99	80 - 120	2009-08-18
Acenaphthene		mg/L	60.0	59.9	100	80 - 120	2009-08-18
Dibenzofuran		mg/L	60.0	61.6	103	80 - 120	2009-08-18
Fluorene		mg/L	60.0	64.3	107	80 - 120	2009-08-18

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Anthracene		mg/L	60.0	58.7	98	80 - 120	2009-08-18
Phenanthrene		mg/L	60.0	57.4	96	80 - 120	2009-08-18
Fluoranthene		mg/L	60.0	52.0	87	80 - 120	2009-08-18
Pyrene		mg/L	60.0	63.4	106	80 - 120	2009-08-18
Benzo(a)anthracene		mg/L	60.0	53.1	88	80 - 120	2009-08-18
Chrysene		mg/L	60.0	53.2	89	80 - 120	2009-08-18
Benzo(b)fluoranthene		mg/L	60.0	57.5	96	80 - 120	2009-08-18
Benzo(k)fluoranthene		mg/L	60.0	60.6	101	80 - 120	2009-08-18
Benzo(a)pyrene		mg/L	60.0	68.2	114	80 - 120	2009-08-18
Indeno(1,2,3-cd)pyrene		mg/L	60.0	53.0	88	80 - 120	2009-08-18
Dibenzo(a,h)anthracene		mg/L	60.0	55.0	92	80 - 120	2009-08-18
Benzo(g,h,i)perylene		mg/L	60.0	50.9	85	80 - 120	2009-08-18

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		56.5	mg/L	1	60.0	94	80 - 120
2-Fluorobiphenyl		57.8	mg/L	1	60.0	96	80 - 120
Terphenyl-d14		60.6	mg/L	1	60.0	101	80 - 120

Standard (CCV-1)

QC Batch: 62649 Date Analyzed: 2009-08-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0977	98	80 - 120	2009-08-18
Toluene		mg/L	0.100	0.0969	97	80 - 120	2009-08-18
Ethylbenzene		mg/L	0.100	0.0909	91	80 - 120	2009-08-18
Xylene		mg/L	0.300	0.273	91	80 - 120	2009-08-18

Standard (CCV-2)

QC Batch: 62649 Date Analyzed: 2009-08-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.110	110	80 - 120	2009-08-18
Toluene		mg/L	0.100	0.112	112	80 - 120	2009-08-18
Ethylbenzene		mg/L	0.100	0.107	107	80 - 120	2009-08-18
Xylene		mg/L	0.300	0.325	108	80 - 120	2009-08-18

Standard (CCV-1)

QC Batch: 62650 Date Analyzed: 2009-08-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.03	103	80 - 120	2009-08-18

Standard (CCV-2)

QC Batch: 62650 Date Analyzed: 2009-08-18 Analyzed By: ME

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/L	1.00	1.01	101	80 - 120	2009-08-18

Standard (CCV-3)

QC Batch: 62741 Date Analyzed: 2009-08-21 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	218	87	80 - 120	2009-08-21

Standard (CCV-4)

QC Batch: 62741 Date Analyzed: 2009-08-21 Analyzed By: kg

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/L	250	228	91	80 - 120	2009-08-21

Standard (CCV-1)

QC Batch: 62896 Date Analyzed: 2009-08-26 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	58.1	97	80 - 120	2009-08-26
2-Methylnaphthalene		mg/L	60.0	66.2	110	80 - 120	2009-08-26

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
1-Methylnaphthalene		mg/L	60.0	66.7	111	80 - 120	2009-08-26
Acenaphthylene		mg/L	60.0	57.8	96	80 - 120	2009-08-26
Acenaphthene		mg/L	60.0	58.4	97	80 - 120	2009-08-26
Dibenzofuran		mg/L	60.0	60.3	100	80 - 120	2009-08-26
Fluorene		mg/L	60.0	63.8	106	80 - 120	2009-08-26
Anthracene		mg/L	60.0	59.2	99	80 - 120	2009-08-26
Phenanthrene		mg/L	60.0	57.2	95	80 - 120	2009-08-26
Fluoranthene		mg/L	60.0	54.8	91	80 - 120	2009-08-26
Pyrene		mg/L	60.0	59.0	98	80 - 120	2009-08-26
Benzo(a)anthracene		mg/L	60.0	56.2	94	80 - 120	2009-08-26
Chrysene		mg/L	60.0	56.9	95	80 - 120	2009-08-26
Benzo(b)fluoranthene		mg/L	60.0	55.8	93	80 - 120	2009-08-26
Benzo(k)fluoranthene		mg/L	60.0	63.6	106	80 - 120	2009-08-26
Benzo(a)pyrene		mg/L	60.0	67.5	112	80 - 120	2009-08-26
Indeno(1,2,3-cd)pyrene		mg/L	60.0	56.4	94	80 - 120	2009-08-26
Dibenzo(a,h)anthracene		mg/L	60.0	58.0	97	80 - 120	2009-08-26
Benzo(g,h,i)perylene		mg/L	60.0	55.0	92	80 - 120	2009-08-26

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		60.5	mg/L	1	60.0	101	80 - 120
2-Fluorobiphenyl		55.1	mg/L	1	60.0	92	80 - 120
Terphenyl-d14		56.0	mg/L	1	60.0	93	80 - 120

Standard (CCV-2)

QC Batch: 62896 Date Analyzed: 2009-08-26 Analyzed By: MN

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Naphthalene		mg/L	60.0	58.0	97	80 - 120	2009-08-26
2-Methylnaphthalene		mg/L	60.0	61.7	103	80 - 120	2009-08-26
1-Methylnaphthalene		mg/L	60.0	61.3	102	80 - 120	2009-08-26
Acenaphthylene		mg/L	60.0	59.1	98	80 - 120	2009-08-26
Acenaphthene		mg/L	60.0	58.6	98	80 - 120	2009-08-26
Dibenzofuran		mg/L	60.0	61.0	102	80 - 120	2009-08-26
Fluorene		mg/L	60.0	64.0	107	80 - 120	2009-08-26
Anthracene		mg/L	60.0	59.8	100	80 - 120	2009-08-26
Phenanthrene		mg/L	60.0	57.3	96	80 - 120	2009-08-26
Fluoranthene		mg/L	60.0	56.9	95	80 - 120	2009-08-26
Pyrene		mg/L	60.0	58.6	98	80 - 120	2009-08-26
Benzo(a)anthracene		mg/L	60.0	56.7	94	80 - 120	2009-08-26

continued ...

standard continued ...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chrysene		mg/L	60.0	56.4	94	80 - 120	2009-08-26
Benzo(b)fluoranthene		mg/L	60.0	55.5	92	80 - 120	2009-08-26
Benzo(k)fluoranthene		mg/L	60.0	70.9	118	80 - 120	2009-08-26
Benzo(a)pyrene		mg/L	60.0	69.9	116	80 - 120	2009-08-26
Indeno(1,2,3-cd)pyrene		mg/L	60.0	58.4	97	80 - 120	2009-08-26
Dibenzo(a,h)anthracene		mg/L	60.0	59.7	100	80 - 120	2009-08-26
Benzo(g,h,i)perylene		mg/L	60.0	57.8	96	80 - 120	2009-08-26

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limit
Nitrobenzene-d5		61.8	mg/L	1	60.0	103	80 - 120
2-Fluorobiphenyl		55.6	mg/L	1	60.0	93	80 - 120
Terphenyl-d14		55.7	mg/L	1	60.0	93	80 - 120

LAB Order ID # 9081236

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
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1 (888) 588-3443

8808 Camp Bowie Blvd. West, Suite 180
Ft. Worth, Texas 76116
Tel (817) 201-5260
Fax (817) 560-4336

Company Name: TALONLPE

Phone #: 432-522-2133

Address: (Street, City, Zip) 2901 RANKIN HWY MIDLAND TX

Fax #:

Contact Person: SHANNA SMITH

E-mail: SSmith@TALONLPE.COM

Invoice to: (If different from above) PLAINS JASON HENRY SRS# 2003-00017

Project #: 700376.018.01

Project Name: HOBBS JUNCTION MAINLINE

Project Location (including state): HOBBS NM

Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	WATER	SOIL	AIR	SLUDGE	HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	DATE	TIME
205616	MW-1	5		X				X				X		8/12/09	1040
617	MW-2	↓		↓				↓				↓		8/11/09	1440
618	MW-3	↓		↓				↓				↓		8/11/09	1515
619	MW-4	↓		↓				↓				↓		8/11/09	1500
620	MW-5	↓		↓				↓				↓		8/12/09	1055
621	MW-6	↓		↓				↓				↓		8/12/09	1224
622	MW-7	3		↓				↓				↓		8/12/09	1305
623	MW-8	3		↓				↓				↓		8/12/09	1258
624	MW-9	3		↓				↓				↓		8/12/09	1250
625	MW-10	3		↓				↓				↓		8/12/09	1240
626	MW-11	5		↓				↓				↓		8/12/09	1121

LAB #	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
205616	[illegible]	X	X		X														
617		↓	↓		↓														
618		↓	↓		↓														
619		↓	↓		↓														
620		↓	↓		↓														
621		↓	↓		↓														
622		X			X														
623		X			X														
624		X			X														
625		X			X														
626		X	X		X														

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	TALONLPE	8/12/09		Johnny Marquez		8/12/09	4:54	INST ___ °C OBS ___ °C COR ___ °C
Johnny Marquez		8/12/09	4:54	[signature]	Trace	8/12/09	16:54	INST ___ °C OBS 3.4 °C COR ___ °C
								INST ___ °C OBS ___ °C COR ___ °C

LAB USE ONLY

Intact (Y) / N

Headspace Y / (N) / NA

Log-in-Review ______

REMARKS:

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

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

ORIGINAL COPY

Carrier # Carry-in

LAB Order ID # 9081236

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

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

8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: TAlonLPe
Phone #: 432-522-2133
Address: (Street, City, Zip) 2901 Rankin Hwy.
Fax #:
Contact Person: ShAwnA Smith
E-mail: SSmith@TAlonLPe.Com
Invoice to: (If different from above) PLAINS Jason Henry SRS# 2003-00017
Project #: 700376.018.01
Project Name: Hobbs Junction Mainline
Project Location (including state): Hobbs, N.M.
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	WATER	SOIL	AIR	SLUDGE	HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
627	MW-12	5		X				X				X		8/12/09	1200		X	X		X														
628	MW-13	3												8/12/09	1055		X			X														
629	MW-14	5												8/11/09	1425		X	X		X														
630	MW-15	5												8/11/09	1138		X	X		X														
205631	MW-16	3												8/12/09	1145		X			X														
632	MW-17	5												8/11/09	1400		X	X		X														
633	MW-18	3												8/12/09	1130		X			X														
634	MW-19	3												8/12/09	1350		X			X														
635	MW-20	3												8/12/09	1155		X			X														
636	MW-21	3													1205		X			X														
637	MW-22	3													1200		X			X														

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	TAlonLPe	8/12/09		Johnny Marquez		8/12/09	4:54	INST ___ °C OBS ___ °C COR ___ °C
Johnny Marquez		8/12/09	4:54	[signature]	Trace	8/12/09	16:54	INST ___ °C OBS 3.4 °C COR ___ °C
								INST ___ °C OBS ___ °C COR ___ °C

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

REMARKS:

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

Carrier # ______

ORIGINAL COPY

LAB Order ID # 9081236

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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8808 Camp Bowie Blvd. West, Suite 180, Ft. Worth, Texas 76116, Tel (817) 201-5260, Fax (817) 560-4336

Company Name: TAlon LPE
Phone #: 432-522-2122
Address: (Street, City, Zip) 2901 Rankin Midland TX
Fax #:
Contact Person: S Smith
E-mail: SSmith@TAlonLPE.com
Invoice to: (If different from above) PlAINS JASON Henry
HOBBS JUNCTION MAINLINE
Project #: 700376.018.01
Project Name: SRS# 2003-00017
Project Location (including state): HOBBS, NM
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
638	MW-23	3		X				X				X		8/12/09	1220		X			X														
639	MW-24	3		X				X				X		8/12/09	1210		X			X														

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:		
Brooks	Talon	8/12/09		Tommy Moreno		8/12/09	4:54	INST °C OBS °C COR °C	
Tommy Moreno		8/12/09	4:54		Trace	8/12/09	16:54	INST °C OBS 3.4 °C COR °C	
								INST °C OBS °C COR °C	

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

REMARKS:

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

Carrier #

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