AP - 54

ANNUAL MONITORING REPORT

YEAR(S): 2009

TALON LPE
"All the Pieces"

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

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

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

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

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

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

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

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

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2009 ANNUAL GROUNDWATER MONITORING REPORT HOBBS JUNCTION MAINLINE NMOCD REF. # AP-054 LEA COUNTY, NEW MEXICO PLAINS SRS # 2003-00017

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Environmental Bureau
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Section 26, Township 18 South, Range 37 East

PREPARED FOR:

PLAINS PIPELINE, L.P.
333 CLAY STREET
SUITE 1600
HOUSTON, TEXAS 77002

PREPARED BY:

TALON/LPE
2901 S. STATE HIGHWAY 349
MIDLAND, TEXAS 79706

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February 27, 2010

PLAINS
ALL AMERICAN

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APR 12 2010
Environmental Bureau
Oil Conservation Division

March 29, 2010

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

Re: Plains All American – 2009 Annual Monitoring Reports
6 Sites in Lea County, New Mexico

Dear Mr. Hansen:

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

8-inch Moore to Jal #1	1R-0380	AP-91	Section 16, T17S, R37E, Lea County
8-inch Moore to Jal #2	1R-0381	AP-92	Section 16, T17S, R37E, Lea County
C.S. Cayler	AP-052		Section 06, T17S, R37E, Lea County
Hobbs Junction Mainline	AP-054		Section 26, T18S, R37E, Lea County
Kimbrough Sweet 8-inch	AP-0029		Section 03, T18S, R37E, Lea County
Lovington Deep 6-inch	AP-037		Section 03, T18S, R37E, Lea County

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

If you have any questions or require further information, please contact me at (575) 441-1099.

Sincerely,

Jason Henry

Jason Henry
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

2009 ANNUAL GROUNDWATER MONITORING REPORT

HOBBS JUNCTION MAINLINE
LEA COUNTY, NEW MEXICO
NMOCD REF. # AP-054

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Oil Conservation Division

PLAINS PIPELINE, L.P.
333 CLAY STREET, SUITE 1600
HOUSTON, TEXAS

TALON/LPE PROJECT NO. 700376.052.01

Prepared by:

Steven R. Killingsworth, P.G.
Project Manager

STATE OF TEXAS
KYLE J. WAGGONER
GEOLOGY
5858
LICENSED
PROFESSIONAL GEOSCIENTIST

Kyle Waggoner, P.G.
Regional Manager

TALON/LPE
2901 S. State Highway 349
Midland, Texas 79706

February 2010

Distribution List

Name	Title	Company or Agency	Mailing Address	e-mail
Ed Hansen	Environmental Engineer	NMOCD	1220 South St. Francis Drive Santa Fe, NM 87505	edwardjhansen@state.nm.us
Larry Johnson	Environmental Engineer	NMOCD	1625 French Dr. Hobbs, NM 88231	lwjohnson@state.nm.us
Brian Henington	Environmental Engineer	NMSLO – Santa Fe	P.O. Box 1148 Santa Fe, NM 87504	bhenington@slo.state.nm.us,
Jason Henry	Remediation Coordinator	Plains Pipeline	2530 Highway 214 Denver City, TX 79323	jhenry@paalp.com
Jeff Dann	Senior Environmental Specialist	Plains Pipeline	P. O. Box 4648 Houston, TX 77210-4648	jpdann@paalp.com
File		Talon/LPE	2901 S St. Hwy 349 Midland, Texas 79706	skillingsworth@talonlpe.com

NMOCD – New Mexico Oil Conservation Division
NMSLO – New Mexico State Land Office

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APPENDICES

1.0 INTRODUCTION

1.1 Introduction and Site Background

The Hobbs Junction Mainline site is located approximately three miles west of Hobbs, in Lea County, New Mexico. The GPS coordinates of this site are 32° 42' 40.85" latitude and 103° 13' 42.01" longitude. The southern portion of the site is owned by Ms. Faye Klein and the northern portion of the site is owned by the State of New Mexico. A topographic map is provided as Figure 1 included in Appendix A.

1.2 Site Geology

The surface deposits in Lea County are composed of Blackwater Draw (Illinoian) sediments, Ogallala sediments and undivided Quaternary alluvium, which is also termed 'cover sands'. The soil in the upper two (2) feet at the site composed of gravelly loam that contains abundant eroded gravel to cobble size caliche fragments. Below the top soil is predominately unconsolidated sand to weakly cemented sandstone which has undergone calichification of varying extent.

Below the Blackwater Draw Formation is the Ogallala Formation of Miocene to Pliocene age. The Ogallala Formation was deposited from sediments eroded from the Southern Rockies and consists mostly of eolian sediments, silty to very fine sand or loess. During the middle to late Miocene, the Ogallala was deposited by fluvial mechanism as paleovalley fill composed of gravelly to sandy braided stream deposits that trended west to east across the Southern High Plains. During the late Miocene the west to east drainage was diverted (captured) by the Pecos River. Subsequently, the Pecos River basin has experienced deflation, which facilitated eolian deposition on the Southern High Plains during the Pliocene.

1.3 Previous Environmental Investigations

In addition to the soil evaluation at the site, a total of 24 monitor wells were installed in the vicinity of the release (see Figure 1). Initial delineation activities began on February 13, 2003, by advancing a soil boring BH-1 to 28 feet below ground surface (bgs) where a well indurated caliche layer prevented further advancement of the hollow stem auger. On March 5, 2003, using an air rotary rig, monitor wells MW-1 and MW-2 were installed to groundwater in order to evaluate the presence of phase separated hydrocarbons (PSH). Monitor wells MW-1 and MW-2 were impacted with PSH; therefore, monitor wells MW-3 through MW-6 were installed in August 2003. After developing monitor wells MW-3 through MW-6, PSH was detected in those wells. On January 19 and 20, 2004, monitor wells MW-7 through MW-13 were installed in order to delineate the dissolved-phase plume. Subsequent to development, PSH was detected in monitor well MW-12. Monitor wells MW-14 through MW-17 were installed on May 24, 2004, outside the release perimeter. PSH was detected in monitor wells MW-14 and MW-17. Monitor wells MW-18 through MW-20 were installed in November 2006, and monitor wells MW-21 and MW-22 were installed on December 5, 2007, to further delineate the dissolved phase plume. Monitor wells MW-23 and MW-24 were installed on March 17, 2008 as requested by the New Mexico Oil Conservation Division (NMOCD), in order to further delineate the dissolved phase plume towards the southeast.

A quarterly groundwater monitoring program was implemented for the site and PSH recovery

utilizing an automated eductor system was implemented from March 2004 to March 2007. In March 2007, the eductor system was replaced with an automated pneumatic skimmer PSH recovery system. A total of eight (8) skimmer pumps were installed in monitor wells MW-1, MW-2, MW-3, MW-4, MW-6, MW-12, MW-14, and MW-17 and a total fluid pump was installed in monitor well MW-5.

Currently, there are three (3) pneumatic specific gravity skimmers and bladder pumps in monitor wells MW-11, MW-14, and MW-15 and nine (9) pneumatic total fluids pumps in monitor wells MW-1, through MW-6, MW-12, MW-15, and MW-17. The recovered water is transferred to Occidental Permian's North Hobbs Satellite disposal facility via flow-line and the recovered oil is collected with a vacuum truck and transported to the Plains 34 Junction South Station and re-introduced into the pipeline system.

1.4 Regulatory Framework

Groundwater analytical data collected from monitor wells during quarterly groundwater monitoring events at this site is evaluated against the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards listed in the table below.

New Mexico Water Quality Control Commission (NMWQCC) groundwater standards	
Compound	**mg/L**
Benzene	0.010
Toluene	0.750
Ethylbenzene	0.750
Total Xylenes	0.620
PAH (Naphthalene)	0.030
PAH (Benzo[a]-pyrene)	0.007

The ensuing sections in the report provide summaries of the groundwater monitoring activities conducted at the site as well as analytical results from each groundwater sampling event of 2009. Analytical results for the four sampling events are presented in Table 2, Table 3, and Table 4 in Appendix B, and Figures 3a through 3d in Appendix A. Fluid level measurements are provided in Table 1, Appendix B and gradient maps are presented as Figures 2a through 2d in Appendix A. Laboratory analytical reports and chains of custody documentation are included in Appendix C. In addition, cumulative historic tables are on the attached CD, which is an adjunct to this report.

2 SITE ACTIVITIES

The sections that follow summarize groundwater monitoring and PSH recovery activities conducted at the subject site during 2009. The primary function of groundwater monitoring activities is to collect depth to fluid measurements and collect groundwater samples for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase and PSH plumes in order to verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of PSH impacting the groundwater and determining if modifications to the remediation system would improve its performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four groundwater monitoring events were conducted by Talon/LPE: March 2009; June 2009; August 2009; and November 2009.

During the March 2009 groundwater monitoring event, all monitor wells were gauged using an interface probe. Nine (9) monitor wells not impacted with PSH (MW-10, MW-16, and MW-18 through MW-24) were purged a minimum of three (3) casing volumes and groundwater samples were collected. Eleven (11) monitor wells (MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17) were not sampled due to the presence of PSH. Samples were not collected from four monitor wells (MW-7, MW-8, MW-9, and MW-13) since they are scheduled for sample collection on an annual basis. Details of the gauging, purging, and sample collection activities are presented in Section 2.3.

During the June 2009 groundwater monitoring event, all monitor wells were gauged using an interface probe. Nine (9) monitor wells not impacted with PSH (MW-10, MW-16, and MW-18 through MW-24) were purged a minimum of three (3) casing volumes and groundwater samples were collected. Eleven (11) monitor wells (MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17) were not sampled due to the presence of PSH. Samples were not collected from four monitor wells (MW-7, MW-8, MW-9, and MW-13) since they are scheduled for sample collection on an annual basis. Details of the gauging, purging, and sample collection activities are presented in Section 2.3.

During the August 2009 groundwater monitoring event, all monitor wells were gauged with an interface probe. Nine (9) monitor wells not impacted with PSH (MW-10, MW-16, and MW-18 through MW-24) were purged of a minimum of three (3) casing volumes and groundwater samples were collected. In addition to the regular quarterly sampling protocol, the NMOCD requested that samples be collected from wells impacted with PSH on an annual basis. Samples were collected from groundwater below the PSH cap in eleven (11) monitor wells (MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17). In addition, groundwater samples were collected from four monitor wells (MW-7, MW-8, MW-9, and MW-13) that are scheduled to be sampled on an annual basis. Details of the gauging, purging, and sample collection activities are presented in Section 2.3.

During the November 2009 groundwater monitoring event, all monitor wells were gauged using an interface probe. Subsequent to purging three (3) casing volumes, groundwater samples were

collected from nine (9) monitor wells (MW-10, MW-16, and MW-18 through MW-24). Samples were not collected from eleven (11) monitor wells (MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17) due to the presence of PSH. Samples were not collected from four monitor wells (MW-7, MW-8, MW-9, and MW-13) since they are scheduled for sample collection on an annual basis. Details of the gauging, purging, and sample collection activities are presented in Section 2.3.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all monitor wells were measured to determine static water levels and to monitor the presence and/or absence of PSH accumulations. The top of groundwater elevation was corrected in monitor wells impacted with PSH by the following equation: Corrected groundwater elevation = the surveyed top of casing elevation – (measured depth to water – (PSH thickness x the specific gravity of the PSH). Measured groundwater depths and elevations collected during the sampling events, along with historical measurements, are presented in Table 1 – Summary of Historical Fluid Level Measurements and contoured gradient maps are located in Appendix A.

All wells not impacted with PSH were purged a minimum of three (3) well volumes prior to sample collection. All 2-inch diameter monitor wells were purged utilizing dedicated disposable polyethylene bailers. All 4-inch monitor wells were purged utilizing pumps and vinyl tubing. The pumps and tubing used to purge the wells were decontaminated with Alconox® detergent and rinsed with distilled water prior to initial use and between sample collection events. All recovered groundwater from purging activities and recovered water used in the decontamination process was contained onsite in the system recovery tank until the water was transferred to the North Hobbs Unit disposal facility. An average of approximately 108 gallons of groundwater was purged during each of the four quarterly groundwater monitoring events.

Groundwater samples were collected from monitoring wells not impacted with PSH utilizing dedicated disposable polyethylene bailers. The collected groundwater samples were transferred from the disposable bailer into laboratory supplied sample containers appropriate for the analysis requested. The groundwater samples were maintained on ice in the custody of Talon/LPE, until delivery to TraceAnalysis, Inc. laboratory in Midland, Texas for analysis. The collected samples were quantified for benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method SW-846 8021B. In addition, groundwater samples were collected on an annual basis and quantified for poly-nuclear aromatic hydrocarbons (PAH) by EPA/SW-846 Method 8270C. During the third groundwater monitoring event, groundwater samples were collected from the wells impacted with PSH using a pump set below the PSH. The samples were quantified for BTEX by EPA Method SW-846 8021B, total petroleum hydrocarbons (TPH) by Method 8015M/GRO-DRO, and PAH by EPA/SW-846 Method 8270C.

2.3 Phase Separated Hydrocarbon and Groundwater Recovery

During the year of 2009, a total of six (6) specific gravity skimmers and pneumatic bladder pumps were installed in monitor wells MW-2, MW-6, MW-11, MW-14, MW-15, and MW-17 and five (5) pneumatic total fluids pumps were installed in monitor wells MW-1, MW-3, MW-4, MW-5, and MW-12.

The recovered crude oil and groundwater was expelled by the pumps to a 350 barrel frac tank used as a settling tank where the oil and water were separated. When the water level rises to seven feet in the first frac tank, the height of the water leg riser, it flows to a second 350 barrel frac tank. The second tank is equipped with a float switch, which operates a transfer pump. When the pump is engaged, the recovered water is transferred to Occidental Permian's North Hobbs Satellite disposal facility via flow line. The recovered oil, that remains in the first frac tank, is collected with a vacuum truck and transported to the Plains 34 Junction South Station where it is re-introduced into the pipeline system.

During 2009 the quarterly groundwater and PSH recovery totals are as followed:

- 1st Quarter – approximately 15 bbls of oil and 480 bbls of water
- 2nd Quarter – approximately 14 bbls of oil and 858 bbls of water
- 3rd Quarter – approximately 28 bbls of oil and 1,445 bbls of water
- 4th Quarter – approximately 36 bbls of oil and 2,300 bbls of water

Approximately 1,619 bbls of PSH has been recovered from the site to date.

3 GROUNDWATER MONITORING RESULTS

The results of the laboratory analyses are summarized in Table 2 – Summary of Groundwater Analytical Data in Appendix B. Laboratory analytical reports and chains of custody documentation are provided in Appendix C.

3.1 Groundwater Monitoring Results

The following sections present the results from the monitoring of the first water-bearing zone underlying the Hobbs Junction Mainline site.

3.1.1 Physical Characteristics of the First Water-Bearing Zone

The primary groundwater resource under the Southern High Plains, including the site, is referred to as the Ogallala Aquifer or High Plains Aquifer. The Southern portion of the Ogallala aquifer underlies an area of about 29,000 square miles (mi^2) in western Texas and eastern New Mexico, encompassing all or part of 31 counties in Texas and 6 counties in New Mexico.

The Ogallala Aquifer has experienced acute depletion from extensive irrigation and urban demand, which have exceeded the average annual recharge rate. Recharge of the Ogallala Aquifer on the Southern High Plains occurs predominately from rainfall runoff that accumulates in ephemeral streams and playa lakes as well as direct recharge in areas that contain permeable soils such as sand hills. Recharge rates vary depending on mechanism, but averages from 0 to 1.6 inches per year.

The Ogallala Aquifer is generally unconfined and the poteniometric surface generally mirrors the land surface elevation with the regional flow direction is from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot and specific yield averages 16%. The depth to groundwater at the site has historically been approximately 40 feet below ground surface (bgs) and the groundwater flow direction is to the southeast at an average of 24 feet per mile.

The composition of Ogallala groundwater is defined as mixed-cation-HCO_3, therefore, Ogallala groundwater is considered hard. Problems with scale have occurred with residential and commercial water systems that use Ogallala groundwater and often treatment strategies are employed to reduce the effects of scale. The typical total dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

3.1.2 Groundwater Gradient and Flow Direction

Water level measurements were collected on March 3, 2009, June 24, 2009, August 12, 2009, and November 18, 2009. The data collected from the four monitor well fluid level measurement events is summarized in Table 1, Summary of Historical Fluid Level Measurements, presented in Appendix B.

Potentiometric surface contour maps were constructed from the four (4) water level measurement

datasets. These maps are Figure 2a through Figure 2d presented in Appendix A.

The potentiometric surface map prepared from data collected from the March 2009 event was contoured from water level elevations measured from all monitor wells. The water level elevations exhibit a general groundwater flow direction to the east-southeast with an approximate gradient of 0.0050 feet/foot.

The potentiometric surface map prepared from data collected from the June 2009 event was contoured from water level elevations measured from all monitor wells. The water level elevations exhibit a general groundwater direction of flow to the west-southwest with an approximate gradient of 0.0049 feet/foot.

The potentiometric surface map prepared from data collected from the August 2009 event was contoured from water level elevations measured from all monitor wells. The water level elevations exhibit a general groundwater direction of flow to the east-southeast with an approximate gradient of 0.0049 feet/foot.

The potentiometric surface map prepared from data collected from the November 2009 event was contoured from water level elevations measured from all monitor wells. The water level elevations exhibit a general groundwater direction of flow to the east-southeast with an approximate gradient of 0.0047 feet/foot.

Based on fluid elevations measured at this site, the groundwater flow direction within the first water-bearing zone underlying the Junction Mainline site is consistently towards the east-southeast.

3.1.3 Phase Separated Hydrocarbon (PSH)

The collection of water level measurement data was conducted using an oil/water interface probe, which was also used to determine the presence of PSH.

- In March 2009, PSH was observed in monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17. PSH thickness ranged from 3.17 feet in MW-11 to 6.42 feet in MW-12.

- In June 2009, PSH was observed in monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15 and MW-17. PSH thickness ranged from 2.87 feet in MW-6 to 6.45 feet in MW-12.

- In August 2009, PSH was observed in monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15 and MW-17. PSH thickness ranged from 3.72 feet in MW-2 to 6.33 feet in MW-12.

- In November 2009, PSH was observed in monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15 and MW-17. PSH thickness ranged from 2.74 feet in MW-11 to 5.77 feet in MW-12.

During the year of 2009, a total of six (6) specific gravity skimmers and pneumatic bladder pumps were installed in monitor wells MW-2, MW-6, MW-11, MW-14, MW-15, and MW-17

and five (5) pneumatic total fluids pumps were installed in monitor wells MW-1, MW-3, MW-4, MW-5, and MW-12.

The PSH recovery system has recovered approximately 1619 barrels of PSH to date. PSH plume maps are presented as Figure 3a through Figure 3d in Appendix A.

3.1.4 Groundwater Sampling Results

During the March 2009 sampling event, groundwater samples were collected from monitor wells MW-10, MW-16, and MW-18 through MW-24. Analytical results from the collected groundwater samples exhibited the following qualities:

- Benzene concentrations ranged from <0.00100 mg/L to 18.2 mg/L. Benzene concentrations exceeded the NMWQCC remediation limit of 0.010 mg/L in groundwater samples collected from monitor wells MW-10, MW-18, MW-20, and MW-21.
- Toluene concentrations ranged from <0.00100 mg/L to 0.00160 mg/L. Toluene concentrations did not exceed the NMWQCC remediation limit of 0.750 mg/L in any groundwater samples collected.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 1.610 mg/L. Ethylbenzene concentrations exceeded the NMWQCC remediation limit of 0.750 mg/L in groundwater samples collected from monitor wells MW-10 and MW-20.
- Xylene concentrations ranged from <0.00100 mg/L to 0.671 mg/L. Xylene concentrations exceeded the NMWQCC remediation limit of 0.620 mg/L in groundwater samples collected from monitor well MW-20.
- Groundwater samples were not collected from monitor wells MW-1 through MW-6, MW-12, MW-14, MW-15, and MW-17 due to the presence of PSH.
- Groundwater samples were not collected from monitor wells MW-7, MW-8, MW-9, and MW-13, as those wells were not scheduled to be sampled during the first quarter.

During the June 2009 sample collection event, groundwater samples were collected from monitor wells MW-10, MW-16, and MW-18 through MW-24. Analytical results from the collected groundwater samples exhibited the following qualities:

- Benzene concentrations ranged from <0.00100 mg/L to 15.5 mg/L. Benzene concentrations exceeded the NMWQCC remediation limit 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 0.516 mg/L. All toluene concentrations were below the NMWQCC remediation limit of 0.750 mg/L.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 1.27 mg/L. Ethylbenzene concentrations exceeded the NMWQCC remediation limit of 0.750 mg/L in groundwater samples collected from monitor well MW-10 and MW-20.
- Xylene concentrations ranged from <0.00100 mg/L to 1.09 mg/L. Xylene concentrations exceeded the NMWQCC remediation limit of 0.620 mg/L in monitor well MW-20.
- Groundwater samples were not collected from monitor wells MW-1 through MW-6, MW-12, MW-14, MW-15, and MW-17 due to the presence of PSH.
- Groundwater samples were not collected from monitor wells MW-7, MW-8, MW-9, and MW-13, as those wells were not scheduled to be sampled during the second quarter.

During the August 2009 groundwater monitoring event, groundwater samples were collected from monitor wells MW-10, MW-16, and MW-18 through MW-24. In addition to the regular quarterly sampling protocol, the NMOCD requested that groundwater samples be collected from the wells containing PSH on an annual basis. Samples were collected from groundwater beneath the PSH from monitor wells MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17. Also, groundwater samples were collected from monitor wells MW-7, MW-8, MW-9 and MW-13, which are wells scheduled to be sampled on an annual basis. In addition to laboratory analyses for BTEX, the groundwater samples were also quantified for poly-nuclear aromatic hydrocarbons (PAH), and TPH GRO and DRO. Groundwater samples collected from monitor wells not impacted with PSH exhibited the following qualities:

- Benzene concentrations ranged from <0.00100 mg/L to 21.10 mg/L. Benzene concentrations exceeded the NMWQCC remediation limit 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 limit of 0.750 mg/L in monitor well MW-20..
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 1.65 mg/L. Ethylbenzene concentrations exceeded the NMWQCC remediation limit of 0.750 mg/L in groundwater samples collected from monitor well MW-20.
- Xylene concentrations ranged from <0.00100 mg/L to 1.48 mg/L. Xylene concentrations exceeded the NMWQCC remediation limit of 0.620 mg/L in monitor well MW-20.
- PAH concentrations did not exceed NMWQCC remediation limits established for naphthalene or benzo(a)-pyrene and were below method detection limits in all monitor wells not impacted with PSH.
- PAH concentrations exceeded NMWQCC concentrations for naphthalene in groundwater samples collected from all monitor well impacted with PSH.
- BTEX concentrations exceeded the NMQCC remediation limits in groundwater samples collected from all monitor wells impacted with PSH. In addition, all monitor wells impacted with PSH exhibited TPH concentrations. The NMWQCC does not list an action level for TPH.

During the November 2009 groundwater monitoring event, groundwater samples were collected from monitor wells MW-10, MW-16, and MW-18 through MW-24. Groundwater samples collected from these wells exhibited the following qualities:

- Benzene concentrations ranged from <0.00100 mg/L to 23.9 mg/L. Benzene concentrations exceeded the NMWQCC remediation limit 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 1.22 mg/L. Toluene concentrations exceeded the NMWQCC remediation limit of 0.750 mg/L in monitor wells MW-10 and MW-20.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 1.48 mg/L. Ethylbenzene concentrations exceeded the NMWQCC remediation limit of 0.750 mg/L in the groundwater samples collected from monitor wells MW-10 and MW-20.
- Xylene concentrations ranged from <0.00100 mg/L to 1.14 mg/L. Xylene concentrations exceede the NMWQCC remediation limit of 0.620 mg/L in monitor well MW-20.
- Groundwater samples were not collected from monitor wells MW-1 through MW-6,

MW-11, MW-12, MW-14, MW-15 and MW-17 due to the presence of PSH.

- Groundwater samples were not collected from monitor wells MW-7, MW-8, MW-9, and MW-13, as those wells were not scheduled to be sampled during the fourth quarter

The results of the laboratory analyses are summarized in Table 2 – Summary of Historical Groundwater Analytical Data in Appendix B. Laboratory analytical data reports and chain of custody documentation are provided in Appendix C. In addition, cumulative historical analytical results are on the attached CD, which is an adjunct to this report.

4 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the groundwater monitoring events conducted at the Hobbs Junction Mainline site and provides recommendations for future actions.

4.1 Summary of Findings

The groundwater flow direction in the first water-bearing zone is to the east to southeast based upon the water level measurement data collected to date. The number and locations of the existing monitor well array is adequate to detect any movement of the dissolved phase plume that might emanate from the release area. Down-gradient monitor wells MW-23 and MW-24 did not exhibit BTEX concentrations above laboratory reporting limits during the four quarterly groundwater monitoring events. Throughout the year 2009, dissolved-phase concentrations have been fluctuating in impacted monitor wells except that the dissolved-phase concentrations have been steadily increasing in monitor well MW-20 indicating that the dissolved-phase plume is migrating slowly down-gradient.

PSH has impacted the groundwater eleven monitor well locations (MW-1 through MW-6, MW-11, MW-12, MW-14, MW-15, and MW-17). The number and locations of the existing monitor well array is adequate to delineate the PSH plume. PSH thicknesses have been fluctuating throughout the year 2009 but have exhibited a decline from the third to the fourth quarter.

4.2 Recommendations

Based upon the results of the quarterly groundwater monitoring and PSH recovery efforts, Talon/LPE proposes the following actions:

- Continue the quarterly groundwater monitoring program with quarterly updates and annual reporting.
- Continue PSH recovery utilizing skimmers and total fluid pumps.
- Based on the results of the PAH analyses over the past several years, Talon/LPE recommends that further PAH analyses be conducted only on those monitor wells which have historically exhibited previous concentrations of PAH constituents near or above the NMWQCC standards. Groundwater samples from monitor wells that were not impacted with PSH have exhibited concentrations of PAH constituents below the NMWQCC groundwater standards.
- Pursuant to the request of the NMOCD, Plains will collect a discrete sample from groundwater below the PSH cap from monitor wells impacted with PSH for quantification of BTEX, TPH and PAH on an annual basis.
- Continue collecting groundwater samples for quantification of BTEX from monitor wells MW-7, MW-8, MW-9, and MW-13 on an annual basis.
- On April 17, 2008, a Corrective Action Plan Addendum was submitted to the NMOCD to address aggressive soil and PSH remediation. Approval of this plan by the NMOCD is pending.

APPENDIX A

Drawings

Figure 1 - Site Plan

Figure 2a - Groundwater Gradient Map – 3/3/2009

Figure 2b - Groundwater Gradient Map – 6/24/2009

Figure 2c - Groundwater Gradient Map – 8/11/2009

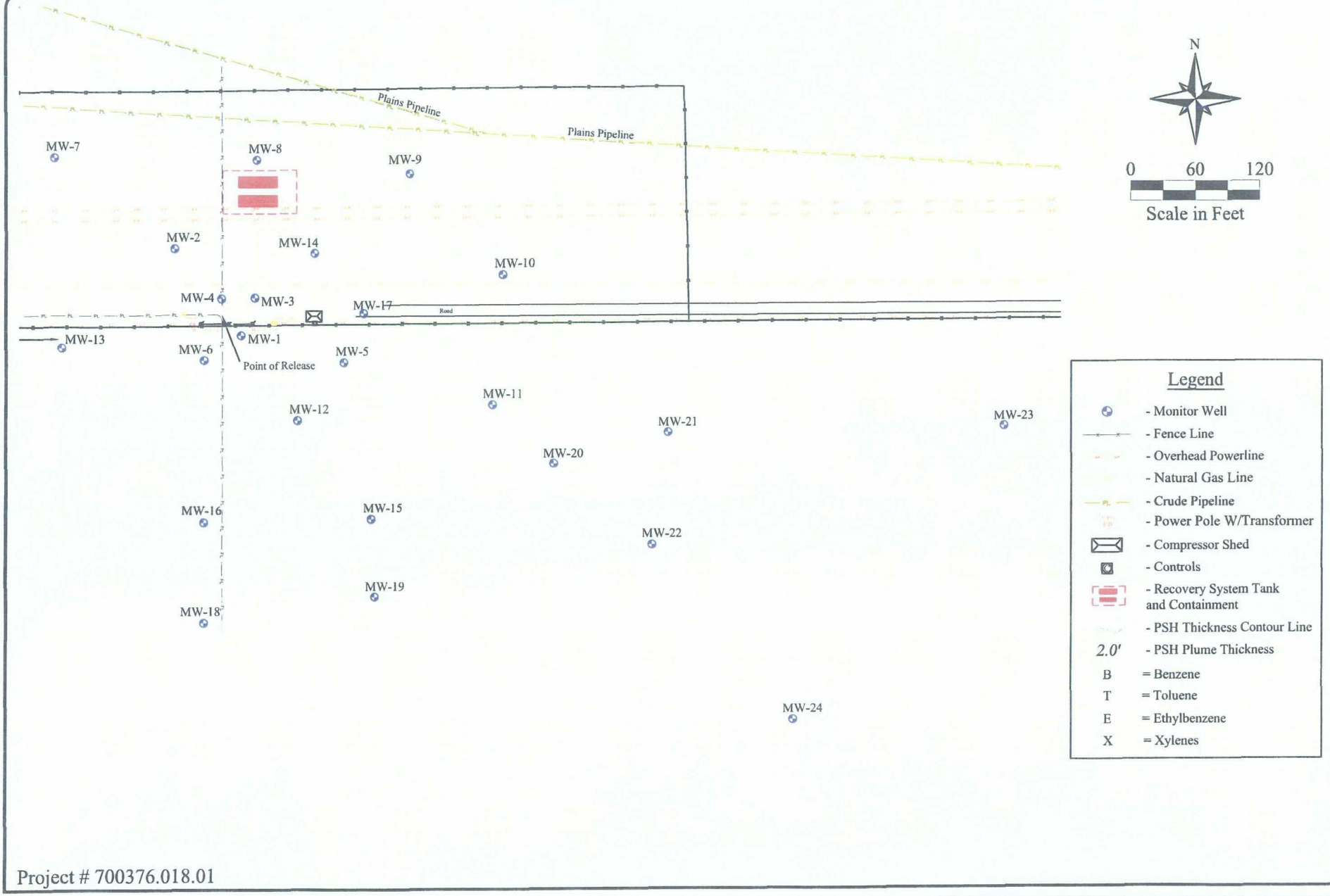
Figure 2d - Groundwater Gradient Map – 11/18/2009

Figure 3a – PSH Thickness & Groundwater Concentration Map – 3/3/2009

Figure 3b - PSH Thickness & Groundwater Concentration Map – 6/24/2009

Figure 3c - PSH Thickness & Groundwater Concentration Map – 8/11/2009

Figure 3d - PSH Thickness & Groundwater Concentration Map – 11/18/2009



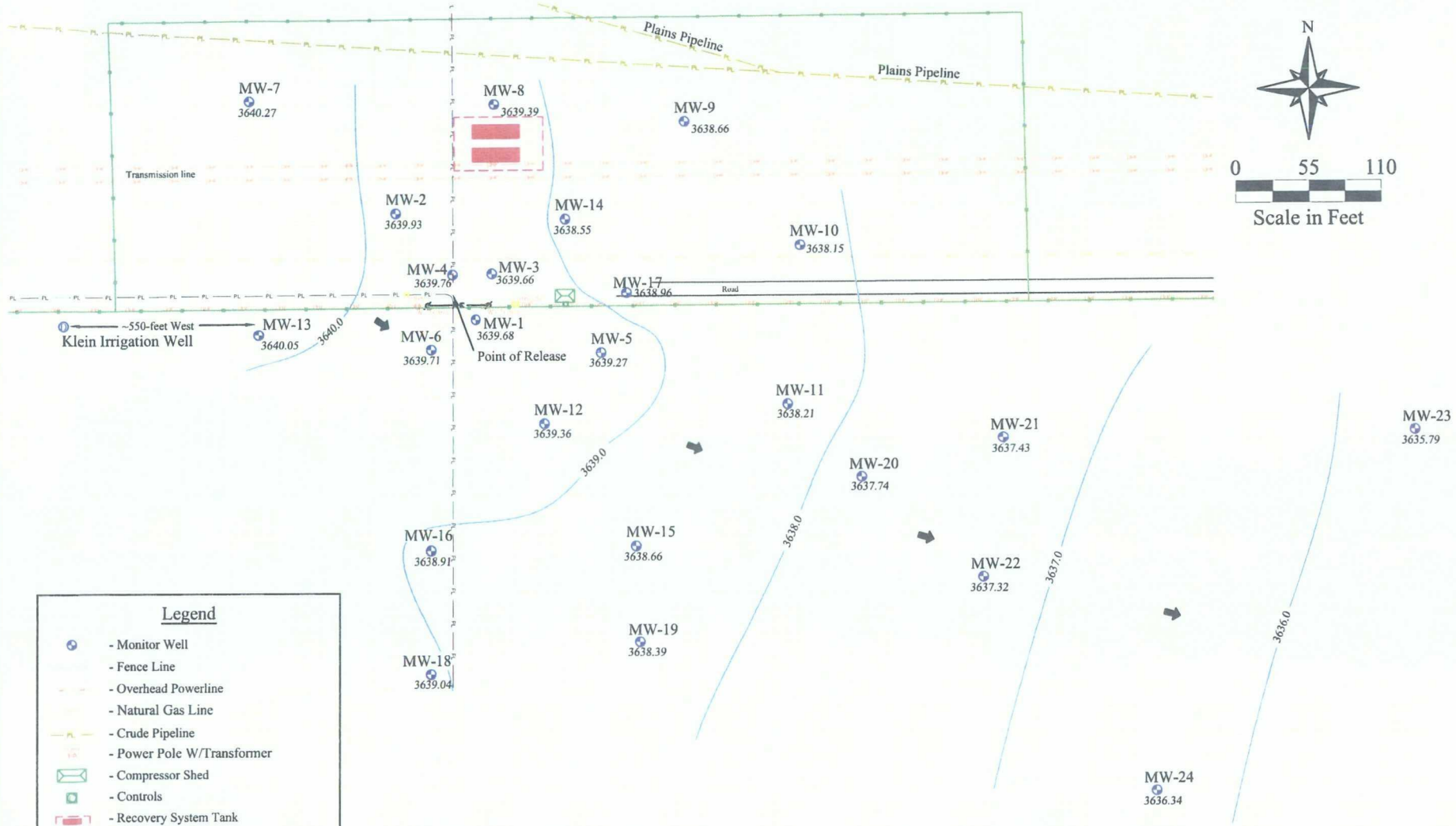
Project # 700376.018.01

TALON LPE

Date: 12/07/2009
Scale: 1" = 120'
Drawn By: TJS

Hobbs Junction Mainline

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



Project # PLAINS047SPL

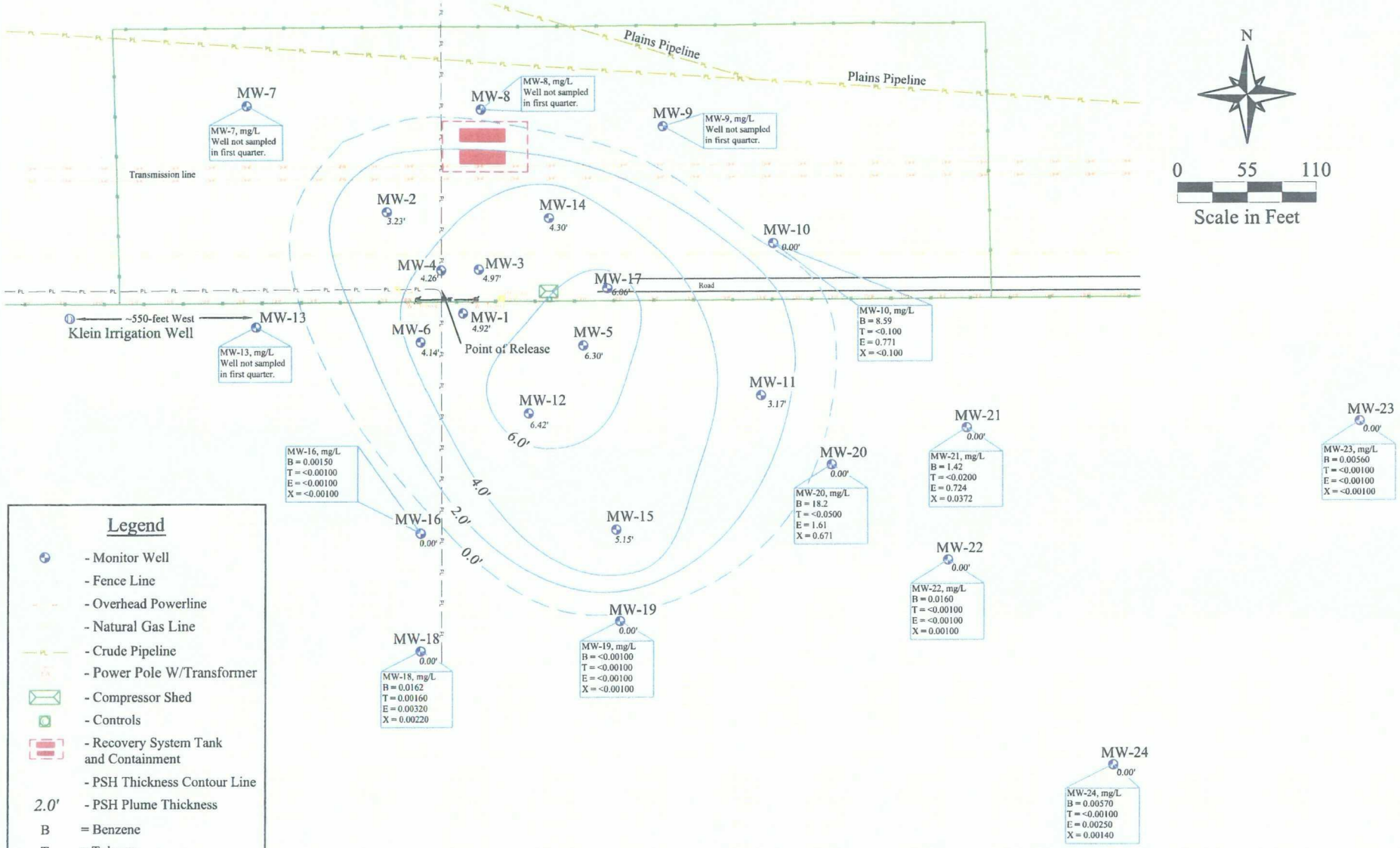
TALON LPE

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 2a - Groundwater Gradient Map, - 03/03/2009



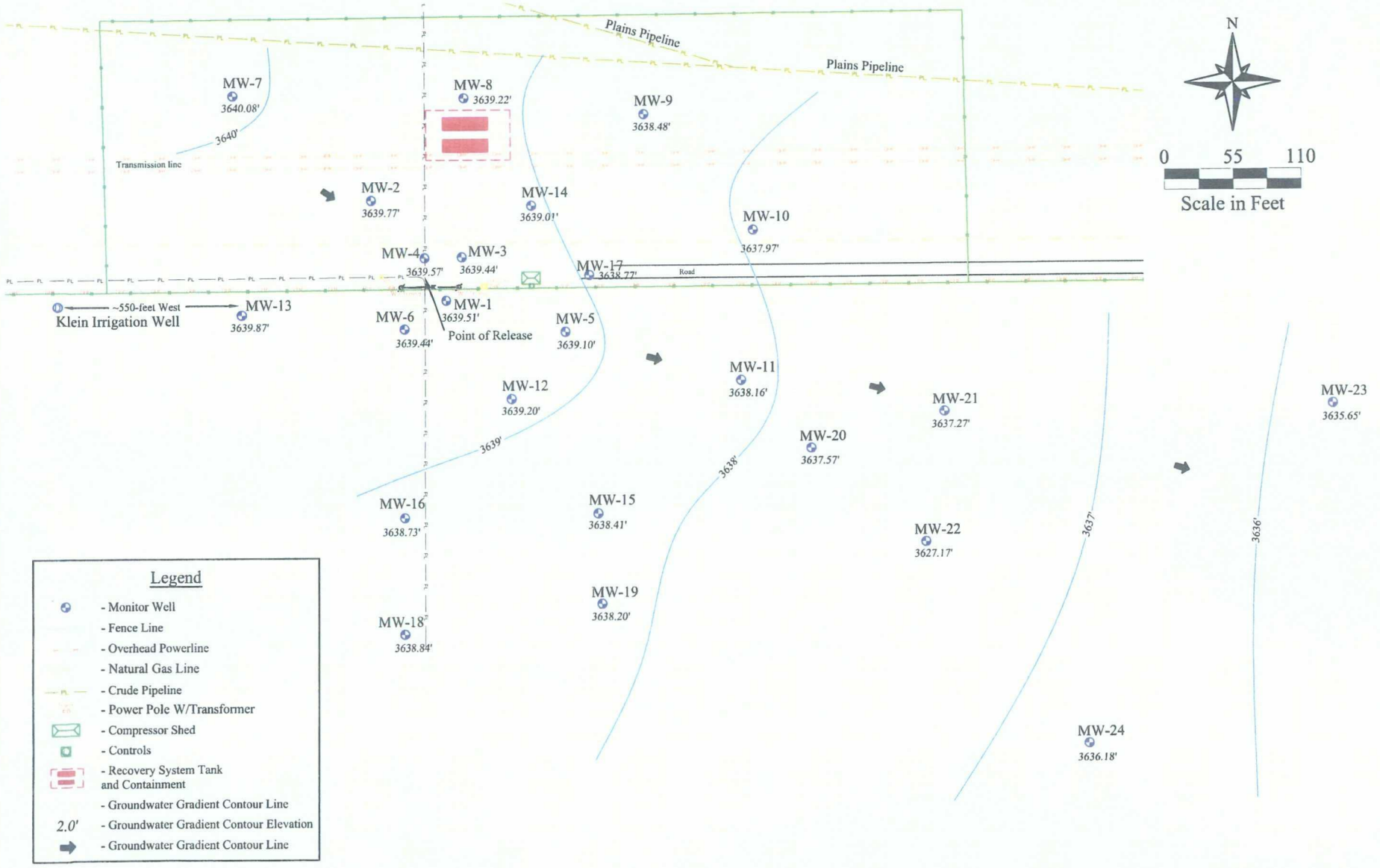
Project # PLAINS047SPL

TALON LPE

Date: 07/14/2009
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 3a - PSH Thickness & Groundwater Concentration Map, (03/03/2009)



Project # PLAINS047SPL

TALON LPE

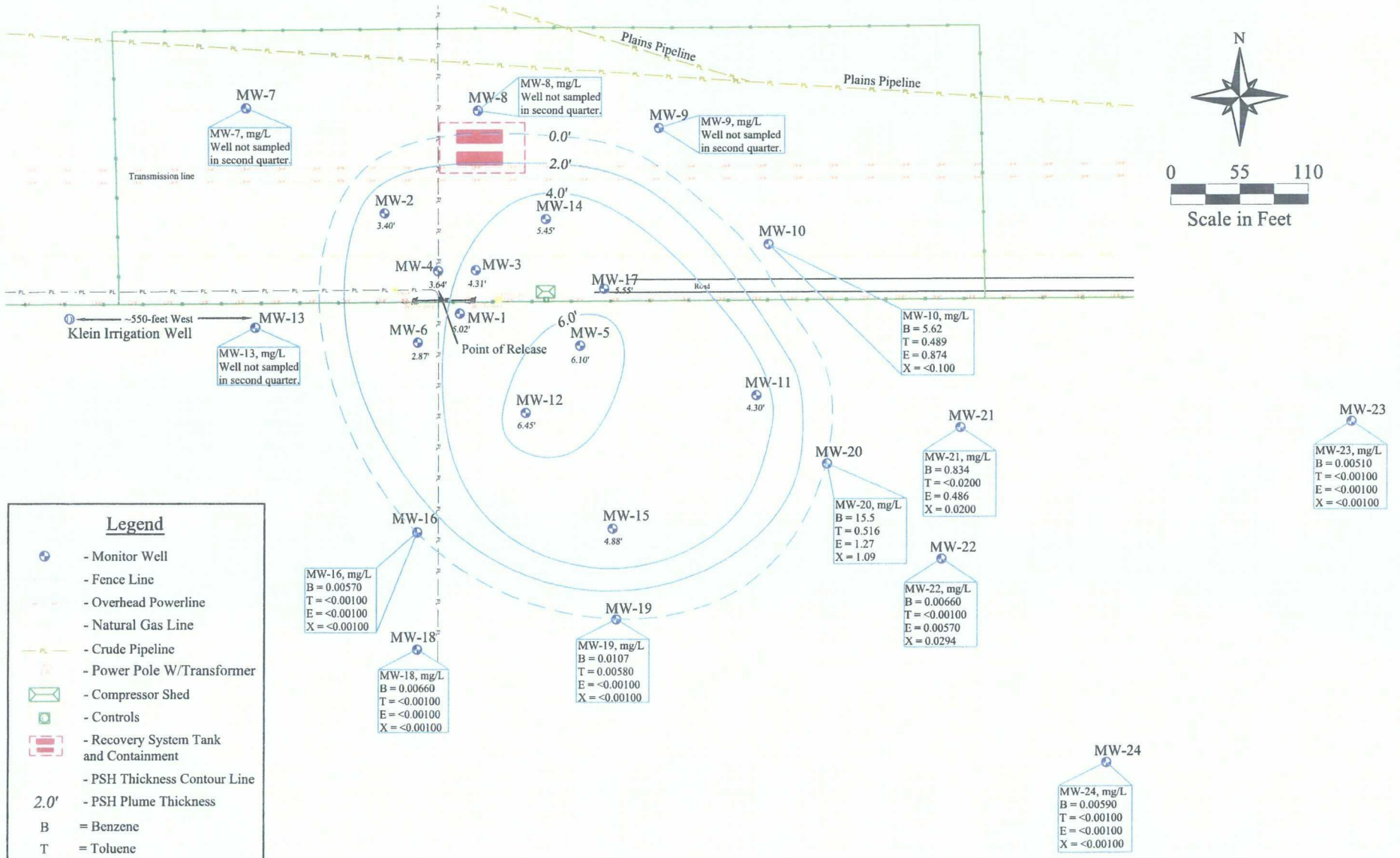
Date: 07/14/2009
Scale: 1" = 110'
Drawn By: HDJ

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 2b - Groundwater Gradient Map (6/24/2009)



Project # PLAINS047SPL

TALON LPE

Date: 07/14/2009

Scale: 1" = 110'

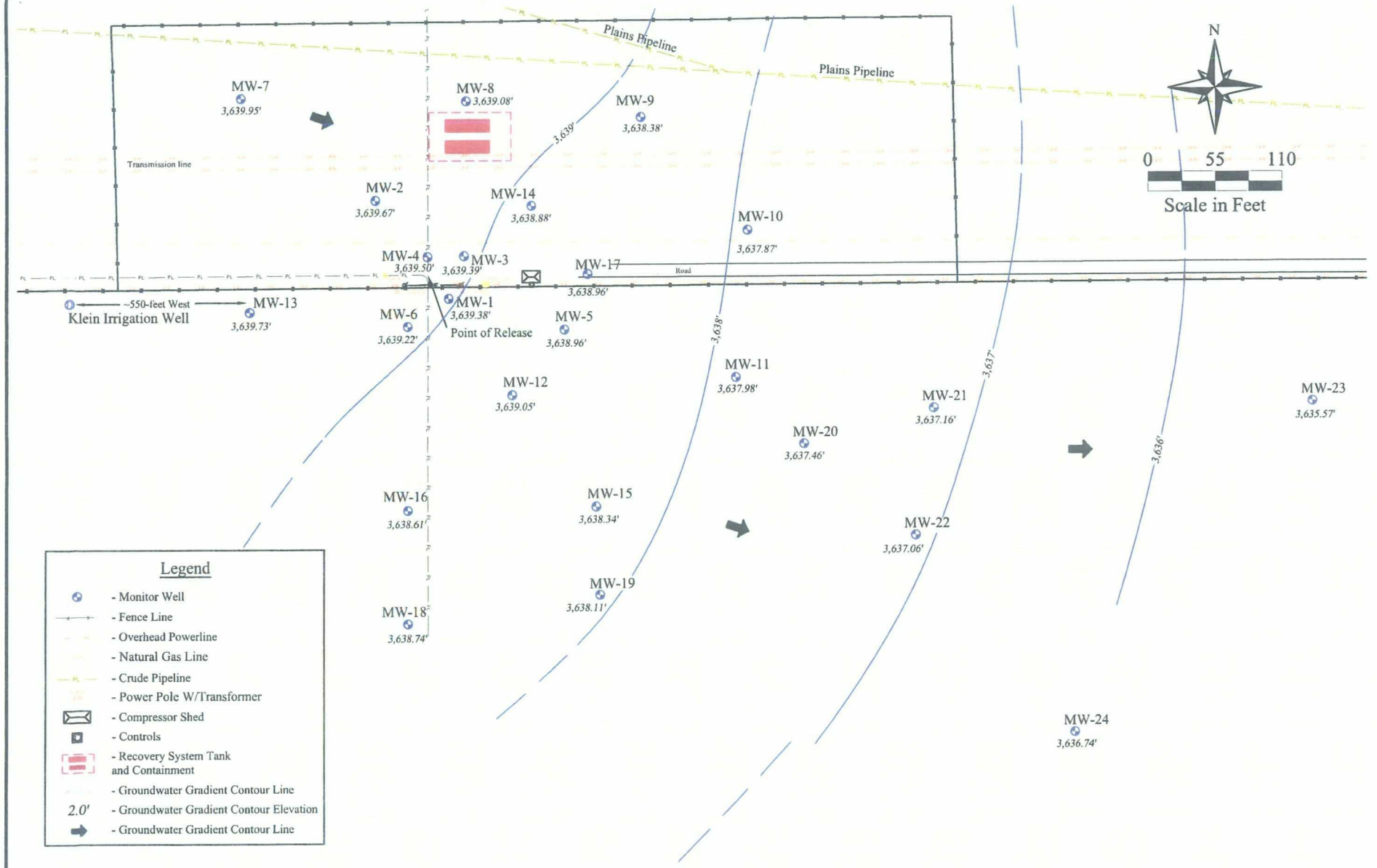
Drawn By: HDJ

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 3b - PSH Thickness & Groundwater Concentration Map (6/24/2009)



Project = 700376.018.01

TALON LPE

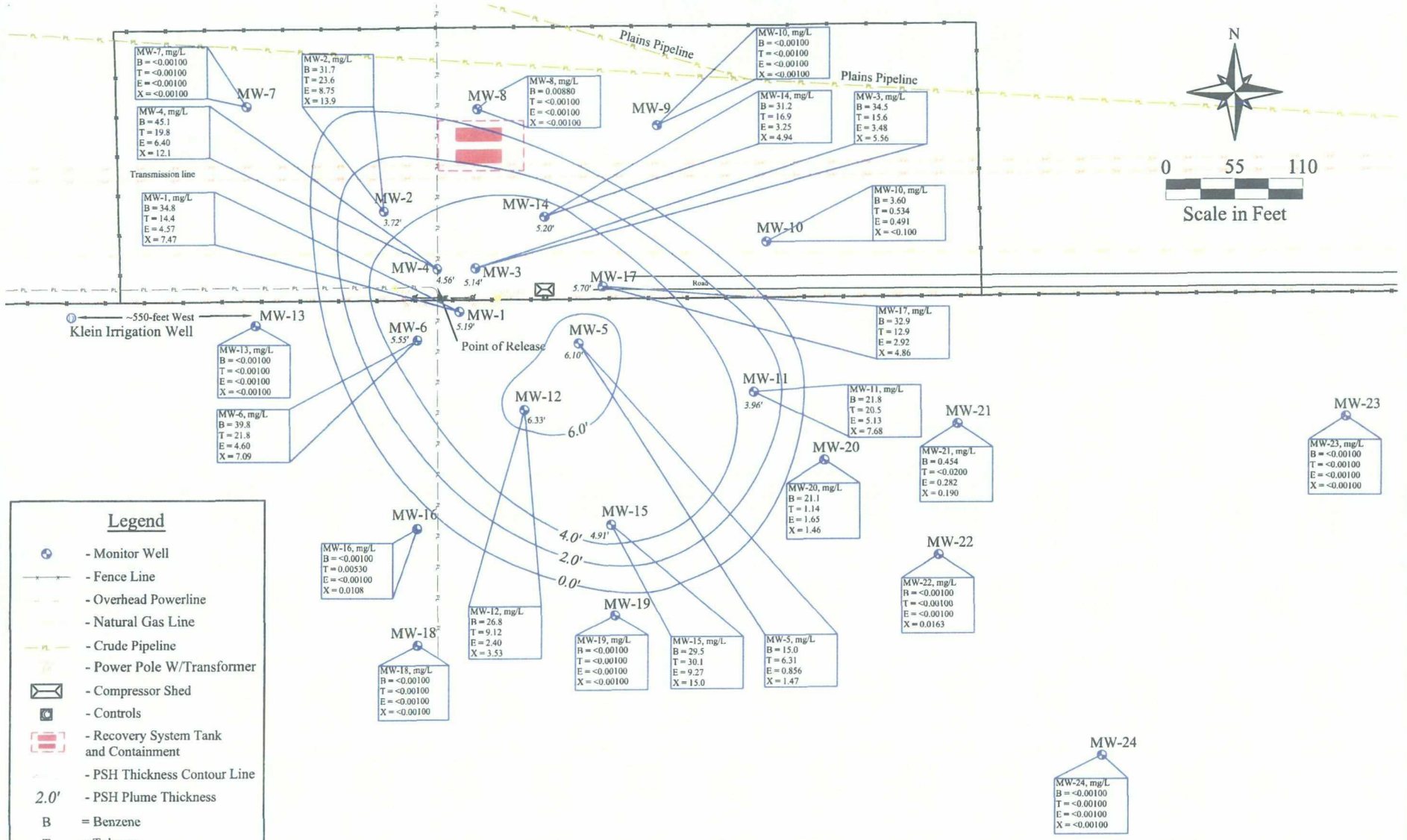
Date: 12/16/2009
Scale: 1" = 110'
Drawn By: TJS

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 2c - Groundwater Gradient Map - 8/11/2009



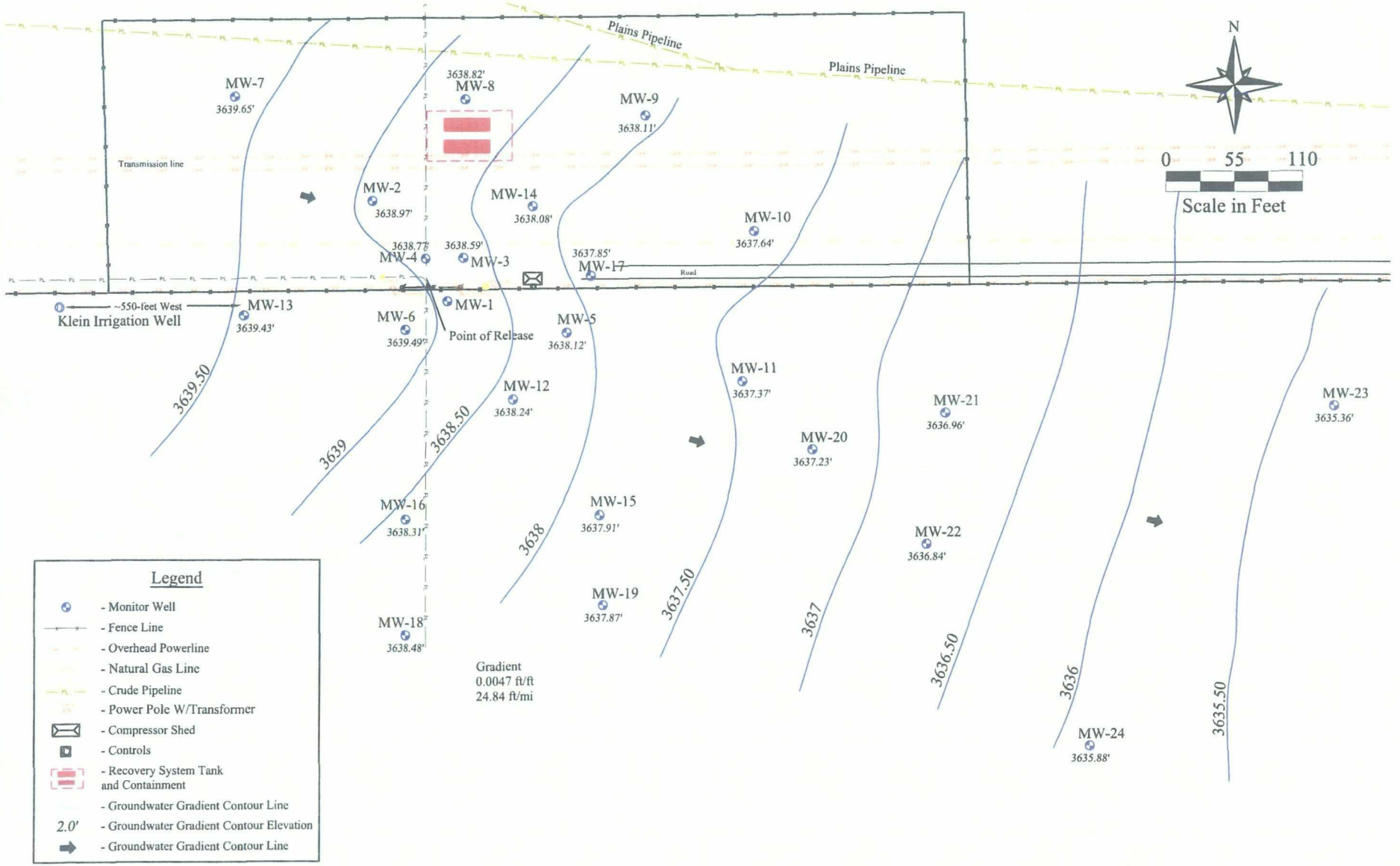
Project # PLAINS047SPL

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 3c - Groundwater Concentration and PSH Plume Map - 8/12/2009



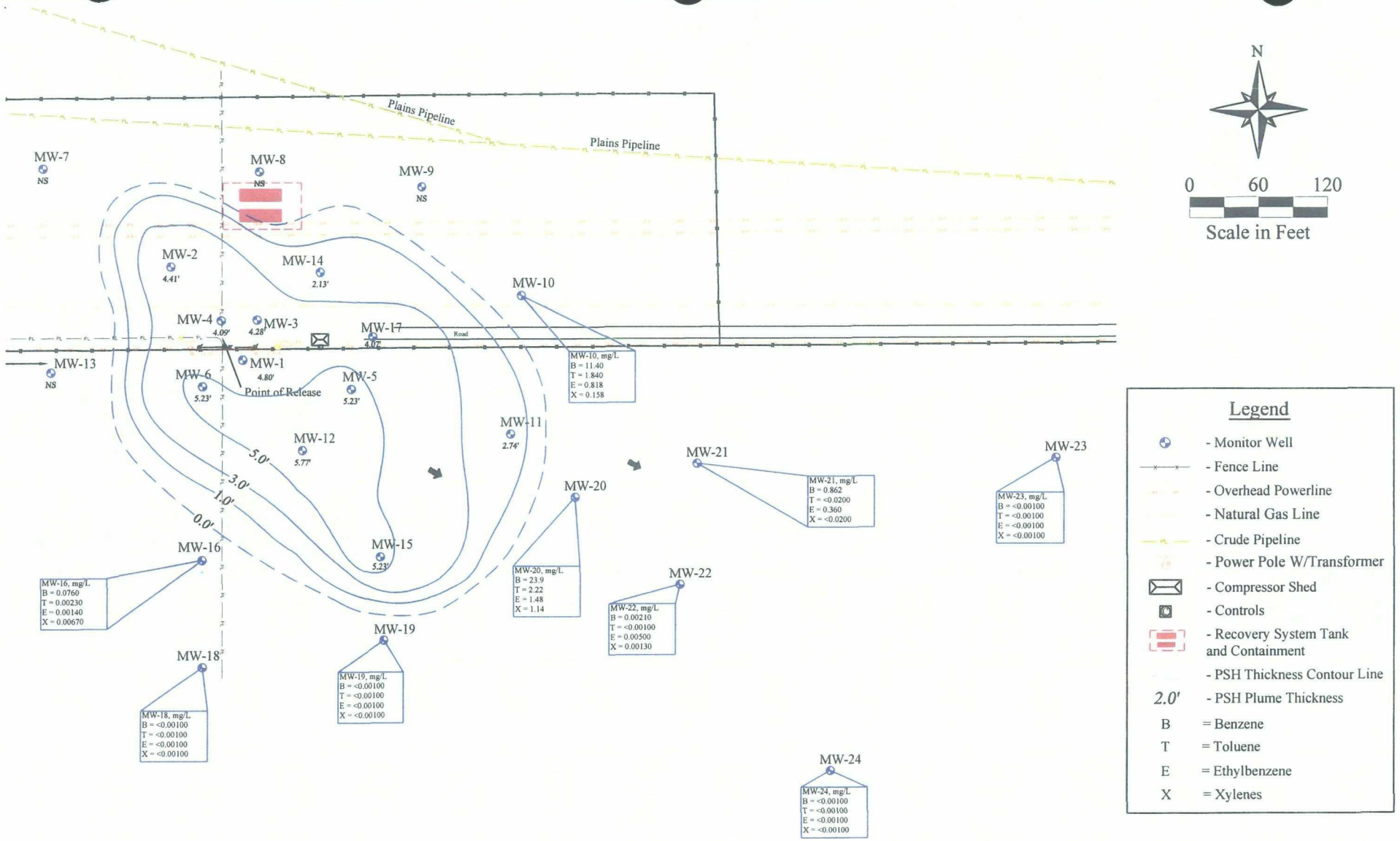
Project = 700376.018.01

TALON LPE

Date: 12/16/2009
Scale: 1" = 110'
Drawn By: TJS

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 2d- Groundwater Gradient Map - (11/18/2009)



Project # 700376.018.01

TALON LPE

Date: 12/07/2009
Scale: 1" = 120'
Drawn By: TJS

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 3d - PSH Thickness & Groundwater Concentration Map, (11/18/2009)

APPENDIX B

Tables

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	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

TALON LPE

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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	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	3,640.67
MW-1	03/15/07		37.31	42.79	5.48	3,640.64
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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-1	11/18/09		39.04	43.84	4.80	3,638.67
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-2	12/09/04		37.00	42.52	5.52	3,641.92
MW-2	02/16/05		36.87	44.03	7.16	3,641.88
MW-2	03/31/05		36.17	41.85	5.68	3,642.73
MW-2	05/13/05		36.27	42.10	5.83	3,642.62
MW-2	05/26/05		36.84	39.29	2.45	3,642.39
MW-2	06/28/05		36.39	41.57	5.18	3,642.56
MW-2	08/15/05		37.15	38.92	1.77	3,642.14
MW-2	11/14/05		37.56	39.16	1.60	3,641.75
MW-2	01/23/06		38.01	39.54	1.53	3,641.31
MW-2	03/02/06		37.60	38.93	1.33	3,641.74
MW-2	06/01/06		38.48	41.05	2.57	3,640.73
MW-2	08/14/06		39.23	41.24	2.01	3,640.04
MW-2	11/28/06		38.33	40.73	2.40	3,640.90
MW-2	12/12/06		37.80	44.10	6.30	3,641.04
MW-2	01/09/07		38.20	42.21	4.01	3,640.87
MW-2	02/08/07		37.94	42.60	4.66	3,641.06
MW-2	02/27/07		38.15	43.34	5.19	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	3,640.98
MW-2	03/15/07		38.09	42.39	4.30	3,640.95
MW-2	03/23/07		38.16	42.00	3.84	3,640.93
MW-2	03/28/07		38.13	42.22	4.09	3,640.93
MW-2	04/12/07		38.51	41.93	3.42	3,640.62

TABLE 1
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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-2	04/18/07		38.97	39.73	0.76	3,640.42
MW-2	05/23/07		38.98	39.50	0.52	3,640.44
MW-2	06/20/07		38.94	39.90	0.96	3,640.43
MW-2	06/28/07		38.66	40.88	2.22	3,640.59
MW-2	07/18/07		38.53	41.85	3.32	3,640.61
MW-2	08/15/07		38.50	42.11	3.61	3,640.61
MW-2	08/28/07		38.40	42.21	3.81	3,640.69
MW-2	09/19/07		38.41	42.18	3.77	3,640.68
MW-2	09/25/07		38.41	42.20	3.79	3,640.68
MW-2	10/09/07		38.86	40.37	1.51	3,640.46
MW-2	10/17/07		38.93	40.07	1.14	3,640.43
MW-2	10/26/07		38.68	41.27	2.59	3,640.53
MW-2	11/05/07		38.80	40.64	1.84	3,640.49
MW-2	11/12/07		38.91	40.23	1.32	3,640.43
MW-2	12/05/07		38.72	41.51	2.79	3,640.47
MW-2	01/03/08		39.87	41.11	1.24	3,639.48
MW-2	01/30/08		38.76	41.78	3.02	3,640.41
MW-2	02/04/08		38.81	41.82	3.01	3,640.36
MW-2	02/12/08		38.78	41.80	3.02	3,640.39
MW-2	03/11/08		39.28	39.79	0.51	3,640.14
MW-2	03/26/08		39.38	39.65	0.27	3,640.06
MW-2	04/02/08		39.44	39.67	0.23	3,640.01
MW-2	04/29/08		39.11	41.58	2.47	3,640.11

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Talon/LPE Project Number 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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-2	11/18/09		39.77	44.18	4.41	3,638.97
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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	3,640.58
MW-3	03/09/07		38.89	44.13	5.24	3,640.40
MW-3	03/13/07		38.58	44.19	5.61	3,640.67
MW-3	03/15/07		38.62	44.23	5.61	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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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-3	11/18/09		40.51	44.79	4.28	3,638.59
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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	3,640.64
MW-4	03/09/04		38.34	43.32	4.98	3,640.80
MW-4	03/13/07		38.34	43.35	5.01	3,640.80

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-4	03/15/07		38.30	43.38	5.08	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

TALON LPE

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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-4	11/18/09		40.20	44.29	4.09	3,638.77
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-5	02/27/07		38.36	45.29	6.93	3,640.21
MW-5	03/09/07		38.44	45.22	6.78	3,640.14
MW-5	03/13/07		38.36	45.08	6.72	3,640.23
MW-5	03/15/07		38.37	45.09	6.72	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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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-5	12/18/09		40.28	45.51	5.23	3,638.12
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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	3,640.71

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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	3,640.72
MW-6	03/15/07		39.40	44.50	5.10	3,640.72
MW-6	03/23/07		39.41	44.42	5.01	3,640.72
MW-6	03/28/07		39.45	44.80	5.35	3,640.65
MW-6	04/12/07		40.33	41.37	1.04	3,640.20
MW-6	04/18/07		40.61	40.83	0.22	3,640.00
MW-6	05/23/07		40.50	40.90	0.40	3,640.09
MW-6	06/20/07		40.58	41.25	0.67	3,639.98
MW-6	06/28/07		40.24	42.01	1.77	3,640.21
MW-6	07/18/07		39.94	43.74	3.80	3,640.31
MW-6	08/15/07		40.51	41.06	0.55	3,640.07
MW-6	08/22/07		40.56	40.81	0.25	3,640.05
MW-6	08/28/07		40.30	42.31	2.01	3,640.13
MW-6	09/19/07		39.78	44.04	4.26	3,640.42
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

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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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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-6	11/18/09		40.28	45.51	5.23	3,639.49

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-7	02/27/07			38.67		3,641.18
MW-7	03/09/07			38.67		3,641.18
MW-7	03/13/07			38.65		3,641.20
MW-7	03/15/07			38.64		3,641.21
MW-7	03/23/07			38.51		3,641.34
MW-7	03/28/07			38.60		3,641.25
MW-7	04/12/07			38.75		3,641.10
MW-7	04/18/07			38.73		3,641.12
MW-7	05/23/07			38.70		3,641.15
MW-7	06/20/07			38.81		3,641.04
MW-7	07/18/07			38.90		3,640.95
MW-7	09/19/07			38.87		3,640.98
MW-7	11/02/07			38.96		3,640.89
MW-7	11/16/07			38.90		3,640.95
MW-7	12/05/07			38.99		3,640.86
MW-7	01/30/08			39.03		3,640.82
MW-7	03/11/08			39.13		3,640.72
MW-7	04/29/08			39.13		3,640.72
MW-7	05/09/08			39.16		3,640.69
MW-7	06/11/08			39.19		3,640.66
MW-7	06/20/08			39.29		3,640.56
MW-7	08/19/08			39.31		3,640.54
MW-7	08/20/08			39.30		3,640.55

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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-7	11/18/09			40.20		3,639.65
MW-8	01/23/04	3,679.07		39.56		3,639.51
MW-8	04/29/04			39.33		3,639.74
MW-8	05/12/04			39.34		3,639.73
MW-8	06/03/04			39.32		3,639.75
MW-8	07/12/04			40.13		3,638.94
MW-8	07/19/04			40.32		3,638.75
MW-8	11/08/04			39.60		3,639.47
MW-8	03/31/05			37.11		3,641.96
MW-8	05/13/05			37.16		3,641.91
MW-8	05/23/05			37.16		3,641.91
MW-8	05/26/05			37.19		3,641.88
MW-8	06/28/05			37.23		3,641.84
MW-8	08/15/05			37.40		3,641.67
MW-8	08/17/05			37.34		3,641.73
MW-8	11/14/05			37.52		3,641.55
MW-8	01/23/06			38.23		3,640.84

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
MW-8	06/24/09			39.85		3,639.22
MW-8	08/11/09			39.99		3,639.08
MW-8	11/18/09			40.25		3,638.82
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-9	04/18/07			39.30		3,639.46
MW-9	05/22/07			39.31		3,639.45
MW-9	06/20/07			39.40		3,639.36
MW-9	07/18/07			39.49		3,639.27
MW-9	09/19/07			39.45		3,639.31
MW-9	11/02/07			39.51		3,639.25
MW-9	11/16/07			39.48		3,639.28
MW-9	12/05/07			39.51		3,639.25
MW-9	01/30/08			39.54		3,639.22
MW-9	03/11/08			39.66		3,639.10
MW-9	04/29/08			39.58		3,639.18
MW-9	05/09/08			39.68		3,639.08
MW-9	06/11/08			39.73		3,639.03
MW-9	06/20/08			39.81		3,638.95
MW-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-9	11/18/09			40.65		3,638.11

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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-10	11/18/09			40.72		3,637.64
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-11	11/14/05			37.80		3,640.23
MW-11	01/23/06			38.58		3,639.45
MW-11	03/02/06			37.97		3,640.06
MW-11	06/01/06			39.15		3,638.88
MW-11	08/14/06			39.33		3,638.70
MW-11	11/28/06			39.00		3,639.03
MW-11	12/12/06			39.06		3,638.97
MW-11	01/09/07			39.06		3,638.97
MW-11	02/08/07			38.91		3,639.12
MW-11	02/21/07			39.11		3,638.92
MW-11	02/27/07			44.87		3,633.16
MW-11	03/09/07			39.17		3,638.86
MW-11	03/13/07			39.13		3,638.90
MW-11	03/15/07			39.16		3,638.87
MW-11	03/23/07			39.01		3,639.02
MW-11	03/28/07			39.05		3,638.98
MW-11	04/12/07			39.34		3,638.69
MW-11	04/18/07			39.25		3,638.78
MW-11	05/22/07			39.24		3,638.79
MW-11	06/20/07			39.30		3,638.73
MW-11	07/18/07			39.42		3,638.61
MW-11	09/19/07			39.55		3,638.48
MW-11	11/02/07			39.37		3,638.66

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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-11	11/18/09		40.21	42.95	2.74	3,637.37
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-12	04/29/04		38.86	48.57	9.71	3,639.80
MW-12	05/03/04		38.83	46.63	7.80	3,640.02
MW-12	07/12/04		39.58	47.53	7.95	3,639.26
MW-12	12/09/04		37.50	44.28	6.78	3,641.45
MW-12	02/16/05		36.68	43.87	7.19	3,642.23
MW-12	03/31/05		36.95	42.97	6.02	3,642.08
MW-12	05/13/05		36.83	43.97	7.14	3,642.09
MW-12	05/26/05		36.95	43.71	6.76	3,642.00
MW-12	06/28/05		36.97	44.14	7.17	3,641.94
MW-12	08/15/05		37.25	43.60	6.35	3,641.75
MW-12	11/14/05		37.73	43.51	5.78	3,641.32
MW-12	01/23/06		38.08	44.34	6.26	3,640.92
MW-12	03/02/06		37.71	43.82	6.11	3,641.31
MW-12	06/01/06		38.87	44.25	5.38	3,640.22
MW-12	08/14/06		39.11	45.85	6.74	3,639.85
MW-12	11/28/06		38.64	44.91	6.27	3,640.36
MW-12	12/12/06		38.63	44.92	6.29	3,640.37
MW-12	01/09/07		38.41	44.87	6.46	3,640.57
MW-12	02/08/07		nd	42.02	na	3,636.01
MW-12	03/09/07		38.67	45.13	6.46	3,640.31
MW-12	03/13/07		38.64	45.14	6.50	3,640.34
MW-12	03/15/07		38.64	45.16	6.52	3,640.34
MW-12	03/23/07		38.68	45.14	6.46	3,640.30

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 700376.052.01

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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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-12	11/18/09		40.44	46.21	5.77	3,638.24
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-13	07/12/04			42.18		3,639.24
MW-13	07/19/04			42.44		3,638.98
MW-13	11/08/04			40.24		3,641.18
MW-13	03/31/05			38.79		3,642.63
MW-13	05/13/05			38.83		3,642.59
MW-13	05/23/05			38.82		3,642.60
MW-13	05/26/05			38.87		3,642.55
MW-13	06/28/05			38.63		3,642.79
MW-13	08/15/05			39.07		3,642.35
MW-13	08/17/05			39.02		3,642.40
MW-13	11/14/05			39.15		3,642.27
MW-13	01/23/06			39.84		3,641.58
MW-13	03/02/06			39.28		3,642.14
MW-13	06/01/06			40.73		3,640.69
MW-13	08/14/06			41.22		3,640.20
MW-13	11/28/06			40.38		3,641.04
MW-13	12/12/06			40.37		3,641.05
MW-13	01/09/07			40.36		3,641.06
MW-13	02/08/07			42.02		3,639.40
MW-13	02/27/07			40.41		3,641.01
MW-13	03/09/07			40.42		3,641.00
MW-13	03/13/07			40.42		3,641.00
MW-13	03/15/07			40.44		3,640.98

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-13	08/11/09			41.69		3,639.73
MW-13	11/18/09			41.99		3,639.43
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-14	02/27/07		38.26	44.32	6.06	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	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
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

TABLE 1
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PLAINS PIPELINE, L.P.
HOBBS JUNCTION MAINLINE
NMOCD REF. # AP-054
LEA COUNTY, NEW MEXICO - SRS# 2003-00017
Talon/LPE Project Number 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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-14	11/18/09		40.57	42.70	2.13	3,638.08

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-15	06/03/04	3,674.92		36.22		3,638.70
MW-15	07/12/04			36.77		3,638.15
MW-15	07/19/04			36.90		3,638.02
MW-15	11/08/04			35.10		3,639.82
MW-15	03/31/05			33.92		3,641.00
MW-15	05/13/05			34.00		3,640.92
MW-15	05/23/05			35.34		3,639.58
MW-15	05/26/05			35.38		3,639.54
MW-15	06/28/05			35.46		3,639.46
MW-15	08/15/05			34.32		3,640.60
MW-15	08/17/05			34.29		3,640.63
MW-15	11/14/05			34.47		3,640.45
MW-15	01/23/06			35.17		3,639.75
MW-15	03/02/06			34.60		3,640.32
MW-15	06/01/06			37.18		3,637.74
MW-15	08/10/06			35.62		3,639.30
MW-15	11/28/06			35.63		3,639.29
MW-15	12/12/06			36.92		3,638.00
MW-15	01/09/07			36.93		3,637.99
MW-15	02/27/07		35.16	35.67	0.51	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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
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

TALON LPE

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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-15	11/18/09		36.15	41.38	5.23	3,637.91
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-16	03/31/05			35.29		3,641.57
MW-16	05/13/05			35.31		3,641.55
MW-16	05/23/05			35.18		3,641.68
MW-16	05/26/05			34.04		3,642.82
MW-16	06/28/05			34.11		3,642.75
MW-16	08/15/05			35.61		3,641.25
MW-16	08/17/05			35.56		3,641.30
MW-16	11/14/05			35.73		3,641.13
MW-16	01/23/06			36.45		3,640.41
MW-16	03/02/06			35.85		3,641.01
MW-16	06/01/06			35.82		3,641.04
MW-16	08/14/06			37.50		3,639.36
MW-16	11/28/06			37.94		3,638.92
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
MW-16	08/11/09			38.25		3,638.61
MW-16	11/18/09			38.55		3,638.31
MW-17	06/03/04	3,679.01	39.66	42.05	2.39	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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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	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	3,639.94

TALON LPE

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-17	03/23/07		38.43	45.11	6.68	3,639.91
MW-17	03/28/07		38.43	45.26	6.83	3,639.90
MW-17	04/12/07		39.06	43.82	4.76	3,639.47
MW-17	04/18/07		39.13	44.32	5.19	3,639.36
MW-17	05/23/07		39.41	43.65	4.24	3,639.18
MW-17	06/20/07		39.52	41.72	2.20	3,639.27
MW-17	06/28/07		39.79	40.75	0.96	3,639.12
MW-17	07/18/07		39.82	40.81	0.99	3,639.09
MW-17	08/15/07		39.92	40.18	0.26	3,639.06
MW-17	08/22/07		39.87	40.17	0.30	3,639.11
MW-17	08/28/07		39.90	40.39	0.49	3,639.06
MW-17	09/25/07		39.78	40.17	0.39	3,639.19
MW-17	10/09/07		39.92	40.38	0.46	3,639.04
MW-17	10/17/07		39.83	40.17	0.34	3,639.15
MW-17	10/26/07		39.91	40.03	0.12	3,639.09
MW-17	11/05/07		39.17	43.19	4.02	3,639.44
MW-17	11/12/07		39.89	40.04	0.15	3,639.11
MW-17	12/05/07		39.75	41.97	2.22	3,639.04
MW-17	01/03/08		39.50	42.39	2.89	3,639.22
MW-17	01/30/08		39.10	44.36	5.26	3,639.38
MW-17	02/04/08		39.21	44.44	5.23	3,639.28
MW-17	02/12/08		39.14	44.38	5.24	3,639.35
MW-17	03/11/08		39.66	42.27	2.61	3,639.09

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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-17	11/18/09		40.49	44.56	4.07	3,637.85
MW-18	11/28/06			35.64		
MW-18	12/12/06			35.65		
MW-18	01/09/07			35.62		
MW-18	02/08/07			35.50		
MW-18	03/09/07			35.70		
MW-18	03/13/07			35.71		

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-18	06/24/09			36.84		3,638.84
MW-18	08/11/09			36.94		3,638.74
MW-18	11/18/09			37.20		3,638.48
MW-19	11/28/06			35.55		
MW-19	12/12/06			35.55		
MW-19	01/09/07			35.57		
MW-19	02/08/07			35.43		
MW-19	03/09/07			35.65		
MW-19	03/13/07			35.65		
MW-19	03/15/07			35.66		
MW-19	03/23/07			35.48		
MW-19	03/28/07			35.54		
MW-19	04/12/07			35.77		
MW-19	04/18/07			35.72		
MW-19	05/23/07			35.71		
MW-19	06/20/07			35.81		
MW-19	07/18/07			35.90		
MW-19	09/19/07	3,674.96		35.87		3,639.09
MW-19	11/02/07			35.90		3,639.06
MW-19	11/16/07			35.96		3,639.00
MW-19	12/05/07			36.56		3,638.40
MW-19	01/30/08			36.59		3,638.37

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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-19	11/18/09			37.09		3,637.87
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		

TALON LPE

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-20	04/12/07			35.87		
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-20	11/18/09			37.15		3,637.23

TALON LPE

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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
MW-21	08/11/09			37.22		3,637.16
MW-21	11/18/09			37.42		3,636.96
MW-22	12/05/07	3,674.07		36.08		3,637.99
MW-22	01/30/08			36.19		3,637.88
MW-22	03/11/08			36.26		3,637.81
MW-22	04/29/08			36.31		3,637.76
MW-22	05/09/08			36.31		3,637.76
MW-22	06/11/08			36.70		3,637.37
MW-22	06/20/08			36.45		3,637.62

TABLE 1
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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
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-22	11/18/09			37.23		3,636.84
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

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 700376.052.01

Sample Location	Date	Top of Casing Elevation (feet-amsl)	Depth to PSH (feet-btoc)	Depth to Water (feet-btoc)	PSH Thickness (feet)	Corrected Groundwater Elevation (feet-amsl)
MW-23	08/11/09			36.82		3,635.57
MW-23	11/18/09			37.03		3,635.36
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
MW-24	11/18/09			36.91		3,635.88

PSH - Phase Separated Hydrocarbons NM - not measured
amsl - above mean sea level
btoc - below top of casing
Corrected Groundwater Elevation = Top of Casing Elevation - [Depth to Water Below Top of Casing - (SG)(PSH Thickness)].
SG = 0.835

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 700376.052.01

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**
	11/18/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
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**
	11/18/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
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**
	11/18/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
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**
	11/18/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
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**
	11/18/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			
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**
	11/18/09	Not Sampled Due to Presence of Phase Separated Hydrocarbons			

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 700376.052.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene
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
	11/18/09	**Not Scheduled To Sample 4th Quarter**			
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
	11/18/09	**Not Scheduled To Sample 4th Quarter**			
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
	11/18/09	**Not Scheduled To Sample 4th Quarter**			
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
	11/18/09	**11.40**	**1.840**	**0.818**	0.158
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**
	11/18/09	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**			
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**
	11/18/09	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**			

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 700376.052.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene
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
	11/18/09	**Not Scheduled To Sample 4th Quarter**			
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**
	11/18/09	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**			
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**
	11/18/09	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**			
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
	11/18/09	0.00760	0.00230	0.00140	0.00670
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**
	11/18/09	**Not Sampled Due to Presence of Phase Separated Hydrocarbons**			
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
	11/18/09	<0.00100	<0.00100	<0.00100	<0.00100

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 700376.052.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene
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
	11/18/09	<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**
	11/18/09	**23.9**	**2.22**	**1.48**	**1.14**
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
	11/18/09	**0.862**	<0.0200	0.360	<0.0200
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
	11/18/09	0.00210	<0.00100	0.00500	0.00130
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
	11/18/09	<0.00100	<0.00100	<0.00100	<0.00100

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 700376.052.01

All concentrations are in mg/L

Sample Location	Sample Date	Benzene	Toluene	Ethyl benzene	Xylene
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
	11/18/09	<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.
BTEX analyzed by EPA Method 8021

TALON LPE

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		

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		

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 Chains 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: March 12, 2009

Work Order: 9030323

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
188930	MW-16	water	2009-03-03	12:39	2009-03-03
188931	MW-19	water	2009-03-03	12:49	2009-03-03
188932	MW-20	water	2009-03-03	13:07	2009-03-03
188933	MW-21	water	2009-03-03	13:00	2009-03-03
188934	MW-22	water	2009-03-03	12:56	2009-03-03
189037	MW-10	water	2009-03-04	11:05	2009-03-03
189038	MW-23	water	2009-03-04	10:30	2009-03-03
189039	MW-24	water	2009-03-04	10:36	2009-03-03
189040	MW-18	water	2009-03-04	10:15	2009-03-03

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

This report consists of a total of 12 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project Hobbs Junction Mainline were received by TraceAnalysis, Inc. on 2009-03-03 and assigned to work order 9030323. Samples for work order 9030323 were received intact without headspace and at a temperature of 6.2 deg. C (straight from field).

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	49011	2009-03-05 at 15:09	57364	2009-03-05 at 15:09
BTEX	S 8021B	49120	2009-03-10 at 14:19	57495	2009-03-10 at 14:19

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 9030323 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: 188930 - MW-16

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57364	Date Analyzed:	2009-03-05	Analyzed By:	ER
Prep Batch:	49011	Sample Preparation:	2009-03-05	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00150**	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)		0.0946	mg/L	1	0.100	95	73.8 - 110
4-Bromofluorobenzene (4-BFB)		0.0759	mg/L	1	0.100	76	39.4 - 116

Sample: 188931 - MW-19

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57364	Date Analyzed:	2009-03-05	Analyzed By:	ER
Prep Batch:	49011	Sample Preparation:	2009-03-05	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)		0.0930	mg/L	1	0.100	93	73.8 - 110
4-Bromofluorobenzene (4-BFB)		0.0727	mg/L	1	0.100	73	39.4 - 116

Sample: 188932 - MW-20

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57364	Date Analyzed:	2009-03-05	Analyzed By:	ER
Prep Batch:	49011	Sample Preparation:	2009-03-05	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**18.2**	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		**1.61**	mg/L	50	0.00100
Xylene		**0.671**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.14	mg/L	50	5.00	103	73.8 - 110
4-Bromofluorobenzene (4-BFB)		3.68	mg/L	50	5.00	74	39.4 - 116

Sample: 188933 - MW-21

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57495	Date Analyzed:	2009-03-10	Analyzed By:	MT
Prep Batch:	49120	Sample Preparation:	2009-03-10	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**1.42**	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		**0.724**	mg/L	20	0.00100
Xylene		**0.0372**	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.93	mg/L	20	2.00	96	77 - 118
4-Bromofluorobenzene (4-BFB)		2.05	mg/L	20	2.00	102	77 - 121

Sample: 188934 - MW-22

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57495	Date Analyzed:	2009-03-10	Analyzed By:	MT
Prep Batch:	49120	Sample Preparation:	2009-03-10	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00160**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00100**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	77 - 118
4-Bromofluorobenzene (4-BFB)		0.107	mg/L	1	0.100	107	77 - 121

Sample: 189037 - MW-10

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57495	Date Analyzed:	2009-03-10	Analyzed By:	MT
Prep Batch:	49120	Sample Preparation:	2009-03-10	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**8.59**	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		**0.771**	mg/L	100	0.00100
Xylene		<0.100	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.62	mg/L	100	10.0	96	77 - 118
4-Bromofluorobenzene (4-BFB)		10.1	mg/L	100	10.0	101	77 - 121

Sample: 189038 - MW-23

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57495	Date Analyzed:	2009-03-10	Analyzed By:	MT
Prep Batch:	49120	Sample Preparation:	2009-03-10	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00560**	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)		0.0985	mg/L	1	0.100	98	77 - 118
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	77 - 121

Sample: 189039 - MW-24

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57364	Date Analyzed:	2009-03-05	Analyzed By:	ER
Prep Batch:	49011	Sample Preparation:	2009-03-05	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00570**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.00250**	mg/L	1	0.00100
Xylene		**0.00140**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0937	mg/L	1	0.100	94	73.8 - 110
4-Bromofluorobenzene (4-BFB)		0.0704	mg/L	1	0.100	70	39.4 - 116

Sample: 189040 - MW-18

Laboratory:	Lubbock				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	57364	Date Analyzed:	2009-03-05	Analyzed By:	ER
Prep Batch:	49011	Sample Preparation:	2009-03-05	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0162**	mg/L	1	0.00100
Toluene		**0.00160**	mg/L	1	0.00100
Ethylbenzene		**0.00320**	mg/L	1	0.00100
Xylene		**0.00220**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0936	mg/L	1	0.100	94	73.8 - 110
4-Bromofluorobenzene (4-BFB)		0.0698	mg/L	1	0.100	70	39.4 - 116

Method Blank (1) QC Batch: 57364

QC Batch:	57364	Date Analyzed:	2009-03-05	Analyzed By:	ER
Prep Batch:	49011	QC Preparation:	2009-03-05	Prepared By:	ER

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000160	mg/L	0.001
Toluene		<0.000332	mg/L	0.001
Ethylbenzene		<0.000230	mg/L	0.001
Xylene		0.000300	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0934	mg/L	1	0.100	93	73.8 - 110
4-Bromofluorobenzene (4-BFB)		0.0833	mg/L	1	0.100	83	39.4 - 116

Method Blank (1) QC Batch: 57495

QC Batch: 57495 | Date Analyzed: 2009-03-10 | Analyzed By: MT
Prep Batch: 49120 | QC Preparation: 2009-03-10 | Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000149	mg/L	0.001
Toluene		<0.000188	mg/L	0.001
Ethylbenzene		<0.000178	mg/L	0.001
Xylene		<0.000163	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0992	mg/L	1	0.100	99	77 - 118
4-Bromofluorobenzene (4-BFB)		0.101	mg/L	1	0.100	101	77 - 121

Laboratory Control Spike (LCS-1)

QC Batch: 57364 | Date Analyzed: 2009-03-05 | Analyzed By: ER
Prep Batch: 49011 | QC Preparation: 2009-03-05 | Prepared By: ER

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0897	mg/L	1	0.100	<0.000160	90	80.1 - 115
Toluene	0.0931	mg/L	1	0.100	<0.000332	93	80 - 115
Ethylbenzene	0.0917	mg/L	1	0.100	<0.000230	92	75.8 - 118
Xylene	0.274	mg/L	1	0.300	<0.000143	91	76.4 - 118

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	0.0894	mg/L	1	0.100	<0.000160	89	80.1 - 115	0	20
Toluene	0.0930	mg/L	1	0.100	<0.000332	93	80 - 115	0	20
Ethylbenzene	0.0917	mg/L	1	0.100	<0.000230	92	75.8 - 118	0	20
Xylene	0.274	mg/L	1	0.300	<0.000143	91	76.4 - 118	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0919	0.0930	mg/L	1	0.100	92	93	77.5 - 110
4-Bromofluorobenzene (4-BFB)	0.0840	0.0826	mg/L	1	0.100	84	83	72.2 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 57495 | Date Analyzed: 2009-03-10 | Analyzed By: MT
Prep Batch: 49120 | QC Preparation: 2009-03-10 | Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0938	mg/L	1	0.100	<0.000149	94	80.9 - 110
Toluene	0.0992	mg/L	1	0.100	<0.000188	99	82.8 - 112
Ethylbenzene	0.0987	mg/L	1	0.100	<0.000178	99	83.3 - 113
Xylene	0.287	mg/L	1	0.300	<0.000163	96	82 - 111

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0944	mg/L	1	0.100	<0.000149	94	80.9 - 110	1	20
Toluene	0.102	mg/L	1	0.100	<0.000188	102	82.8 - 112	3	20
Ethylbenzene	0.101	mg/L	1	0.100	<0.000178	101	83.3 - 113	2	20
Xylene	0.294	mg/L	1	0.300	<0.000163	98	82 - 111	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
Trifluorotoluene (TFT)	0.0956	0.0949	mg/L	1	0.100	96	95	73 - 110
4-Bromofluorobenzene (4-BFB)	0.0948	0.0937	mg/L	1	0.100	95	94	74.4 - 113

Matrix Spike (MS-1) Spiked Sample: 189239

QC Batch: 57364 | Date Analyzed: 2009-03-05 | Analyzed By: ER
Prep Batch: 49011 | QC Preparation: 2009-03-05 | Prepared By: ER

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	[1]	0.0594	mg/L	1	0.100	<0.000160	59	72.6 - 119
Toluene	[2]	0.0603	mg/L	1	0.100	<0.000332	60	74.4 - 117
Ethylbenzene	[3]	0.0594	mg/L	1	0.100	<0.000230	59	65.7 - 120
Xylene	[4]	0.175	mg/L	1	0.300	<0.000143	58	66.4 - 122

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	[5]	0.0520	mg/L	1	0.100	<0.000160	52	72.6 - 119	13	20
Toluene	[6]	0.0532	mg/L	1	0.100	<0.000332	53	74.4 - 117	12	20
Ethylbenzene	[7]	0.0522	mg/L	1	0.100	<0.000230	52	65.7 - 120	13	20
Xylene	[8]	0.153	mg/L	1	0.300	<0.000143	51	66.4 - 122	13	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0936	0.0925	mg/L	1	0.1	94	92	74 - 115
4-Bromofluorobenzene (4-BFB)	0.0765	0.0750	mg/L	1	0.1	76	75	71.8 - 121

Matrix Spike (MS-1) Spiked Sample: 188933

QC Batch: 57495 | Date Analyzed: 2009-03-10 | Analyzed By: MT
Prep Batch: 49120 | QC Preparation: 2009-03-10 | Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	3.29	mg/L	20	2.00	1.42	94	60.2 - 125
Toluene	2.06	mg/L	20	2.00	<0.00376	103	61.9 - 127
Ethylbenzene	2.73	mg/L	20	2.00	0.724	100	69 - 121
Xylene	5.98	mg/L	20	6.00	0.0372	99	65.4 - 120

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	3.22	mg/L	20	2.00	1.42	90	60.2 - 125	2	20
Toluene	2.00	mg/L	20	2.00	<0.00376	100	61.9 - 127	3	20

continued ...

[1]Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
[2]Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
[3]Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
[4]Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
[5]Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
[6]Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
[7]Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.
[8]Matrix spike recovery out of control limits. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	2.67	mg/L	20	2.00	0.724	97	69 - 121	2	20
Xylene	5.85	mg/L	20	6.00	0.0372	97	65.4 - 120	2	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.87	1.87	mg/L	20	2	94	94	72.4 - 112
4-Bromofluorobenzene (4-BFB)	1.92	1.92	mg/L	20	2	96	96	74.1 - 115

Standard (CCV-1)

QC Batch: 57364 Date Analyzed: 2009-03-05 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0857	86	80 - 120	2009-03-05
Toluene		mg/L	0.100	0.0897	90	80 - 120	2009-03-05
Ethylbenzene		mg/L	0.100	0.0874	87	80 - 120	2009-03-05
Xylene		mg/L	0.300	0.262	87	80 - 120	2009-03-05

Standard (CCV-2)

QC Batch: 57364 Date Analyzed: 2009-03-05 Analyzed By: ER

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0875	88	80 - 120	2009-03-05
Toluene		mg/L	0.100	0.0915	92	80 - 120	2009-03-05
Ethylbenzene		mg/L	0.100	0.0867	87	80 - 120	2009-03-05
Xylene		mg/L	0.300	0.257	86	80 - 120	2009-03-05

Standard (CCV-1)

QC Batch: 57495 Date Analyzed: 2009-03-10 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0943	94	80 - 120	2009-03-10
Toluene		mg/L	0.100	0.0995	100	80 - 120	2009-03-10

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	0.0989	99	80 - 120	2009-03-10
Xylene		mg/L	0.300	0.288	96	80 - 120	2009-03-10

Standard (CCV-2)

QC Batch: 57495 Date Analyzed: 2009-03-10 Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0980	98	80 - 120	2009-03-10
Toluene		mg/L	0.100	0.103	103	80 - 120	2009-03-10
Ethylbenzene		mg/L	0.100	0.102	102	80 - 120	2009-03-10
Xylene		mg/L	0.300	0.296	99	80 - 120	2009-03-10

LAB Order # 9030323 Page 1 of 2

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 LPG

Phone #: 432-522-2133

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

Fax #:

Contact Person: Shanna Smith

E-mail: SSmith@talonlpe.com

Invoice to: (If different from above) PLAINS Jason Henry

Project #: PLAINS 047 SPL

Project Name: Hobbs Junction Mainline

Project Location (including state): Hobbs, NM

Sampler Signature: Cinda Chavez

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX 8021B / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content						Turn Around Time if different from standard	Hold
188930	MW-16	3	✓DA	X										3-3-09	1239		X																					
931	MW-19	3	↓	↓										3-3-09	1249		X																					
932	MW-20	3												3-3-09	1307		X																					
933	MW-21	3												3-3-09	1300		X																					
934	MW-22	3	↓	↓								↓		3-3-09	1256		X																					

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Cinda Chavez		3-3-09	16:20	Lindsey Wells	Trace	3/3/09	16:25	6.2

LAB USE ONLY: Intact Y N; Headspace Y N N/A; °C 6.2; Log-in Review

REMARKS: e-mail Jason Henry S. Smith All tests Midland

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

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

Carrier # Carry-in

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LAB Order # 9030323 Page 2 of 2

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
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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
Fax #:
Contact Person: Shawna Smith
E-mail: ssmith@talonlpe.com
Invoice to: (If different from above) PLAINS Jason Henry — Hobbs Junction Mainline
Project #: PLAINS 047SPL
Project Name: Hobbs
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	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B / 602 / 8260B / 624	BTEX (8021B) / 602 / 8260B / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270C / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C / 625	PCB's 8082 / 608	Pesticides 8081A / 608	BOD, TSS, pH	Moisture Content	Turn Around Time if different from standard	Hold
189037	MW-10	3	VOA	X				X				X		3-4-09	1105		X																	
038	MW-2B (23)	3	|	X				X				X		3-4-09	1030		X																	
039	MW-28 (24)	3	|	X				X				X		3-4-09	1036		X																	
040	MW-18	3	|	X				X				X		3-4-09	1015		X																	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
[signature]		3-4-09	1545	[signature]	Trace	3-4-09	1545	6.2°C
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:

LAB USE ONLY
Intact (Y) N
Headspace Y / (N) / NA
6.2°
Log-in-Review

REMARKS: e-mail Shawna Smith, Jason Henry

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

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

Carrier # Carry-in

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TRACEANALYSIS, INC.

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

E-Mail: lab@traceanalysis.com

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: July 1, 2009

Work Order: 9062501

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
200116	MW-10	water	2009-06-24	14:02	2009-06-25
200117	MW-16	water	2009-06-24	13:26	2009-06-25
200118	MW-18	water	2009-06-24	13:30	2009-06-25
200119	MW-19	water	2009-06-24	13:19	2009-06-25
200120	MW-20	water	2009-06-24	13:53	2009-06-25
200121	MW-21	water	2009-06-24	13:49	2009-06-25
200122	MW-22	water	2009-06-24	13:34	2009-06-25
200123	MW-23	water	2009-06-24	13:40	2009-06-25
200124	MW-24	water	2009-06-24	13:44	2009-06-25

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

This report consists of a total of 9 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

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 2009-06-25 and assigned to work order 9062501. Samples for work order 9062501 were received intact without headspace and at a temperature of 1.9 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	52037	2009-06-30 at 09:14	61004	2009-06-30 at 09:14

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 9062501 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: 200116 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		**5.62**	mg/L	100	0.00100
Toluene		**0.489**	mg/L	100	0.00100
Ethylbenzene		**0.874**	mg/L	100	0.00100
Xylene		<0.100	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.56	mg/L	100	10.0	96	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		8.11	mg/L	100	10.0	81	40.1 - 136

Sample: 200117 - MW-16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	Result	RL Units	Dilution	RL
Benzene		**0.00570**	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)		0.0949	mg/L	1	0.100	95	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		0.0744	mg/L	1	0.100	74	40.1 - 136

Sample: 200118 - MW-18

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00660**	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)		0.0940	mg/L	1	0.100	94	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		0.0754	mg/L	1	0.100	75	40.1 - 136

Sample: 200119 - MW-19

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0107**	mg/L	1	0.00100
Toluene		**0.00580**	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)		0.0943	mg/L	1	0.100	94	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		0.0754	mg/L	1	0.100	75	40.1 - 136

Sample: 200120 - MW-20

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**15.5**	mg/L	50	0.00100
Toluene		**0.516**	mg/L	50	0.00100
Ethylbenzene		**1.27**	mg/L	50	0.00100
Xylene		**1.09**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.79	mg/L	50	5.00	96	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		4.03	mg/L	50	5.00	81	40.1 - 136

Sample: 200121 - MW-21

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.834**	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		**0.486**	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.90	mg/L	20	2.00	95	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		1.57	mg/L	20	2.00	78	40.1 - 136

Sample: 200122 - MW-22

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00660**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.00570**	mg/L	1	0.00100
Xylene		**0.0294**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0935	mg/L	1	0.100	94	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		0.0897	mg/L	1	0.100	90	40.1 - 136

Sample: 200123 - MW-23

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00510**	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)		0.0931	mg/L	1	0.100	93	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		0.0785	mg/L	1	0.100	78	40.1 - 136

Sample: 200124 - MW-24

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	Sample Preparation:	2009-06-30	Prepared By:	ME

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00590**	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)		0.0926	mg/L	1	0.100	93	77.8 - 121.1
4-Bromofluorobenzene (4-BFB)		0.0723	mg/L	1	0.100	72	40.1 - 136

Method Blank (1) QC Batch: 61004

QC Batch:	61004	Date Analyzed:	2009-06-30	Analyzed By:	ME
Prep Batch:	52037	QC Preparation:	2009-06-30	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)		0.0940	mg/L	1	0.100	94	77.2 - 129.1
4-Bromofluorobenzene (4-BFB)		0.0827	mg/L	1	0.100	83	69.1 - 132.3

Laboratory Control Spike (LCS-1)

QC Batch: 61004 | Date Analyzed: 2009-06-30 | Analyzed By: ME
Prep Batch: 52037 | QC Preparation: 2009-06-30 | Prepared By: ME

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0944	mg/L	1	0.100	<0.00110	94	84 - 126.7
Toluene	0.0925	mg/L	1	0.100	<0.00100	92	84.9 - 128.2
Ethylbenzene	0.0912	mg/L	1	0.100	<0.00100	91	84.4 - 128.6
Xylene	0.271	mg/L	1	0.300	<0.00290	90	84.8 - 129.8

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	0.0954	mg/L	1	0.100	<0.00110	95	84 - 126.7	1	20
Toluene	0.0945	mg/L	1	0.100	<0.00100	94	84.9 - 128.2	2	20
Ethylbenzene	0.0960	mg/L	1	0.100	<0.00100	96	84.4 - 128.6	5	20
Xylene	0.288	mg/L	1	0.300	<0.00290	96	84.8 - 129.8	6	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0955	0.0979	mg/L	1	0.100	96	98	80 - 128.3
4-Bromofluorobenzene (4-BFB)	0.0868	0.0910	mg/L	1	0.100	87	91	59.7 - 136.3

Matrix Spike (MS-1) Spiked Sample: 200121

QC Batch: 61004 | Date Analyzed: 2009-06-30 | Analyzed By: ME
Prep Batch: 52037 | QC Preparation: 2009-06-30 | Prepared By: ME

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.54	mg/L	20	2.00	0.8343	85	77.5 - 121.1
Toluene	1.68	mg/L	20	2.00	<0.0200	84	78.8 - 119.6
Ethylbenzene	2.16	mg/L	20	2.00	0.4855	84	77.9 - 120.5
Xylene	4.99	mg/L	20	6.00	<0.0580	83	78 - 119.4

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	2.63	mg/L	20	2.00	0.8343	90	77.5 - 121.1	4	20
Toluene	1.75	mg/L	20	2.00	<0.0200	88	78.8 - 119.6	4	20
Ethylbenzene	2.28	mg/L	20	2.00	0.4855	90	77.9 - 120.5	5	20
Xylene	5.28	mg/L	20	6.00	<0.0580	88	78 - 119.4	6	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)	1.89	1.90	mg/L	20	2	94	95	86.6 - 118.9
4-Bromofluorobenzene (4-BFB)	1.64	1.60	mg/L	20	2	82	80	59.4 - 127.3

Standard (CCV-2)

QC Batch: 61004 Date Analyzed: 2009-06-30 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	0.0883	88	80 - 120	2009-06-30
Toluene		mg/L	0.100	0.0865	86	80 - 120	2009-06-30
Ethylbenzene		mg/L	0.100	0.0853	85	80 - 120	2009-06-30
Xylene		mg/L	0.300	0.251	84	80 - 120	2009-06-30

Standard (CCV-3)

QC Batch: 61004 Date Analyzed: 2009-06-30 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	0.0903	90	80 - 120	2009-06-30
Toluene		mg/L	0.100	0.0884	88	80 - 120	2009-06-30
Ethylbenzene		mg/L	0.100	0.0926	93	80 - 120	2009-06-30
Xylene		mg/L	0.300	0.270	90	80 - 120	2009-06-30

LAB Order #: 4062501 Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

Company Name: Talon LPE
Phone #: (432) 522-2133
Address: (Street, City, Zip) 2901 Rankin Hwy - Midland TX 79706
Fax #:
Contact Person: Shanna Smith
E-mail: s-smith @ TalonLPE.com
Invoice to: (If different from above) Plains - Jason Henry
Project #: PLAINS0475AL SRS 2003-00017
Project Name: Hobbs Junction Main
Project Location (including state): Hobbs, N.M.
Sampler Signature: Bill D. Smith

ANALYSIS REQUEST (Circle or Specify Method No.)

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

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	BTEX 8021B
200116	MW-10	2	40 VOA	✓				✓				✓		6-24-09	1402		✓
117	MW-16	2	40 VOA	✓				✓				✓		6-24-09	1326		✓
118	MW-18	2	40 VOA	✓				✓				✓		6-24-09	1330		✓
119	MW-19	2	40 VOA	✓				✓				✓		6-24-09	1319		✓
120	MW-20	2	40 VOA	✓				✓				✓		6-24-09	1353		✓
121	MW-21	2	40 VOA	✓				✓				✓		6-24-09	1349		✓
122	MW-22	2	40 VOA	✓				✓				✓		6-24-09	1334		✓
123	MW-23	2	40 VOA	✓				✓				✓		6-24-09	1340		✓
124	MW-24	2	40 VOA	✓				✓				✓		6-24-09	1344		✓

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	Temp°c:
Bill Smith	Talon LPE	6-25-09	0730	[signature]	Trace	6-25-09	7:30	1.9

LAB USE ONLY
Intact: (Y) N
Headspace: Y (N) NA
1.9
Log-in Review

REMARKS: All tests Midland

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

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

Carrier # Carry-in

ORIGINAL COPY

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.

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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	RL	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	Result	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	Result	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	Result	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	Result	RL	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	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		**0.0163**		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	Result	RL	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	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

[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	Result	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 # 081236

Page 1 of [illegible]

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: 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	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
205616	MW-1	5		X				X				X		8/12/09	1040	[illegible]	X	X		X														
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		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	[illegible]		↓				↓				↓		8/12/09	1121		X	X		X														

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
[signature]	TalonLPE	8/12/09		Johnny Marquez [signature]		8/12/09	4:54	INST ___°C OBS ___°C COR ___°C
Johnny Marquez [signature]		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 # Carry-in

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LAB Order ID 9081236

Page 2 of

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.
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	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	6		X				X				X		8/12/09	1200		X	X		X													
628	MW-13	3												8/12/09	1055		X			X													
629	MW-14	3												8/11/09	1425		X	X		X													
630	MW-15	3												8/11/09	1138		X	X		X													
631	MW-16	3												8/12/09	1145		X			X													
632	MW-17	3												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:
	TALON LPE	8/12/09		Johnny Manzer		8/12/09	4:54
Johnny Manzer		8/12/09	4:54			8/12/09	16:54

INST ____ °C
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

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

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LAB Order ID: 9081286

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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 #: 432-522-2122
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 HOBOS JUNCTION MAINLINE
Project #: 700376.018.01
Project Name: SRST 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
638	MW-23	3		X				X				X		8/11/09	1220
639	MW-24	3		X				X				X		8/11/09	1210

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
	X			X														
	X			X														

Relinquished by: Brad's — Company: Talon — Date: 8/12/09 — Time:
Received by: Tommy Moreno — Company: — Date: 8/12/09 — Time: 4:54
INST ___ OBS ___ °C COR ___ °C

Relinquished by: Tommy Moreno — Company: — Date: 8/12/09 — Time: 4:54
Received by: [signature] — Company: Trace — Date: 08/12/09 — Time: 16:54
INST ___ OBS 3.4 °C COR ___ °C

Relinquished by: — Company: — Date: — Time:
Received by: — Company: — Date: — Time:
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 # ___

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

Steve Killingsworth
Talon LPE-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: November 25, 2009

Work Order: 9111906

Project Location: Hobbs, NM
Project Name: Hobbs Junction Mainline
Project Number: 700376.018.01

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
215240	MW-10	water	2009-11-18	17:57	2009-11-19
215241	MW-16	water	2009-11-18	17:15	2009-11-19
215242	MW-18	water	2009-11-18	16:32	2009-11-19
215243	MW-19	water	2009-11-18	16:15	2009-11-19
215244	MW-20	water	2009-11-18	15:55	2009-11-19
215245	MW-21	water	2009-11-18	12:35	2009-11-19
215246	MW-22	water	2009-11-18	13:00	2009-11-19
215247	MW-23	water	2009-11-18	11:58	2009-11-19
215248	MW-24	water	2009-11-18	12:10	2009-11-19

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

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

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 2009-11-19 and assigned to work order 9111906. Samples for work order 9111906 were received intact without headspace and at a temperature of 4.0 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	56043	2009-11-24 at 07:00	65581	2009-11-24 at 12:41

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 9111906 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: 215240 - MW-10

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**11.4**	mg/L	100	0.00100
Toluene		**1.84**	mg/L	100	0.00100
Ethylbenzene		**0.818**	mg/L	100	0.00100
Xylene		**0.158**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.5	mg/L	100	10.0	105	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		9.04	mg/L	100	10.0	90	68.1 - 118.8

Sample: 215241 - MW-16

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00760**	mg/L	1	0.00100
Toluene		**0.00230**	mg/L	1	0.00100
Ethylbenzene		**0.00140**	mg/L	1	0.00100
Xylene		**0.00670**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		0.0886	mg/L	1	0.100	89	68.1 - 118.8

Sample: 215242 - MW-18

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

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)		0.112	mg/L	1	0.100	112	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		0.0958	mg/L	1	0.100	96	68.1 - 118.8

Sample: 215243 - MW-19

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

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)		0.109	mg/L	1	0.100	109	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		0.0929	mg/L	1	0.100	93	68.1 - 118.8

Sample: 215244 - MW-20

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**23.9**	mg/L	100	0.00100
Toluene		**2.22**	mg/L	100	0.00100
Ethylbenzene		**1.48**	mg/L	100	0.00100
Xylene		**1.14**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.7	mg/L	100	10.0	107	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		9.33	mg/L	100	10.0	93	68.1 - 118.8

Sample: 215245 - MW-21

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.862**	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		**0.360**	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.17	mg/L	20	2.00	108	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		1.88	mg/L	20	2.00	94	68.1 - 118.8

Sample: 215246 - MW-22

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00210**	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		**0.00500**	mg/L	1	0.00100
Xylene		**0.00130**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.106	mg/L	1	0.100	106	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	68.1 - 118.8

Sample: 215247 - MW-23

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

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)		0.112	mg/L	1	0.100	112	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		0.0948	mg/L	1	0.100	95	68.1 - 118.8

Sample: 215248 - MW-24

Laboratory:	Midland				
Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	Sample Preparation:	2009-11-24	Prepared By:	AG

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)		0.111	mg/L	1	0.100	111	70.9 - 114.8
4-Bromofluorobenzene (4-BFB)		0.0945	mg/L	1	0.100	94	68.1 - 118.8

Method Blank (1) QC Batch: 65581

QC Batch:	65581	Date Analyzed:	2009-11-24	Analyzed By:	AG
Prep Batch:	56043	QC Preparation:	2009-11-24	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000300	mg/L	0.001
Toluene		<0.000200	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		<0.000900	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.109	mg/L	1	0.100	109	73.6 - 110.6
4-Bromofluorobenzene (4-BFB)		0.0937	mg/L	1	0.100	94	70.6 - 107.5

Laboratory Control Spike (LCS-1)

QC Batch: 65581 | Date Analyzed: 2009-11-24 | Analyzed By: AG
Prep Batch: 56043 | QC Preparation: 2009-11-24 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.103	mg/L	1	0.100	<0.000300	103	79.4 - 111.8
Toluene	0.103	mg/L	1	0.100	<0.000200	103	79.3 - 110
Ethylbenzene	0.101	mg/L	1	0.100	<0.000200	101	73.8 - 113.1
Xylene	0.302	mg/L	1	0.300	<0.000900	101	73.9 - 113.6

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	0.105	mg/L	1	0.100	<0.000300	105	79.4 - 111.8	2	20
Toluene	0.105	mg/L	1	0.100	<0.000200	105	79.3 - 110	2	20
Ethylbenzene	0.103	mg/L	1	0.100	<0.000200	103	73.8 - 113.1	2	20
Xylene	0.308	mg/L	1	0.300	<0.000900	103	73.9 - 113.6	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
Trifluorotoluene (TFT)	0.109	0.109	mg/L	1	0.100	109	109	76.2 - 112.6
4-Bromofluorobenzene (4-BFB)	0.0979	0.0978	mg/L	1	0.100	98	98	77.9 - 109.8

Matrix Spike (MS-1) Spiked Sample: 215245

QC Batch: 65581 | Date Analyzed: 2009-11-24 | Analyzed By: AG
Prep Batch: 56043 | QC Preparation: 2009-11-24 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	2.81	mg/L	20	2.00	0.8617	97	77.3 - 117.4
Toluene	1.94	mg/L	20	2.00	<0.00400	97	75 - 111.8
Ethylbenzene	2.29	mg/L	20	2.00	0.3597	96	78.8 - 106.6
Xylene	5.71	mg/L	20	6.00	<0.0180	95	68.9 - 114

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	2.91	mg/L	20	2.00	0.8617	102	77.3 - 117.4	4	20
Toluene	2.04	mg/L	20	2.00	<0.00400	102	75 - 111.8	5	20
Ethylbenzene	2.40	mg/L	20	2.00	0.3597	102	78.8 - 106.6	5	20
Xylene	6.00	mg/L	20	6.00	<0.0180	100	68.9 - 114	5	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)	2.12	2.14	mg/L	20	2	106	107	76.3 - 109.8
4-Bromofluorobenzene (4-BFB)	1.92	1.94	mg/L	20	2	96	97	75.2 - 112.8

Standard (CCV-1)

QC Batch: 65581 Date Analyzed: 2009-11-24 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0987	99	80 - 120	2009-11-24
Toluene		mg/L	0.100	0.0979	98	80 - 120	2009-11-24
Ethylbenzene		mg/L	0.100	0.0969	97	80 - 120	2009-11-24
Xylene		mg/L	0.300	0.290	97	80 - 120	2009-11-24

Standard (CCV-2)

QC Batch: 65581 Date Analyzed: 2009-11-24 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.103	103	80 - 120	2009-11-24
Toluene		mg/L	0.100	0.101	101	80 - 120	2009-11-24
Ethylbenzene		mg/L	0.100	0.100	100	80 - 120	2009-11-24
Xylene		mg/L	0.300	0.299	100	80 - 120	2009-11-24

Standard (CCV-3)

QC Batch: 65581 | Date Analyzed: 2009-11-24 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0989	99	80 - 120	2009-11-24
Toluene		mg/L	0.100	0.0976	98	80 - 120	2009-11-24
Ethylbenzene		mg/L	0.100	0.0961	96	80 - 120	2009-11-24
Xylene		mg/L	0.300	0.287	96	80 - 120	2009-11-24

LAB Order 9111906

Page 1 of 1

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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

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

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

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

Company Name: Talon/LPE

Phone #: 432-522-2133

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

Fax #:

Contact Person: Steve Killingsworth

E-mail: SKillingsworth@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	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
215240	MW-10	3	VOA	X				X				X		11/18/09	1757		X																	
241	MW-16														1715		X																	
242	MW-18														1632		X																	
243	MW-19														1615		X																	
244	MW-20														1555		X																	
245	MW-21														1235		X																	
246	MW-22														1300		X																	
247	MW-23														1158		X																	
248	MW-24														1210		X																	

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST / OBS / COR
	Talon/LPE	11/19/09		SR Killingsworth	TALON/LPE	11/19/09	0730	°C
SR Killingsworth	TALON/LPE	11/19/09	1718		Trac	11/19/09	9:18	4.0 °C
								°C

LAB USE ONLY

Intact Y / N

Headspace Y / N / NA

Log-in-Review

REMARKS:

All tests- Midland

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

Carrier # Carry-in

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

ORIGINAL COPY

APPENDIX D

NMOCD C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised March 17, 1999

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

Release Notification and Corrective Action

OPERATOR

☑ Initial Report ☐ Final Report

Name of Company	Contact
EOTT Energy Pipeline, LP	**Frank Hernandez**
Address	Telephone No.
5805 East Hwy 80	**915-638-3799**
Facility Name	Facility Type
Hobbs Junction Mainline	**10" Crude Oil Pipeline**

Surface Owner	Mineral Owner	Lease No.
State of NM	**NA**	**NA**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from South Line	Feet from West Line	Longitude	Latitude	County:
M	**26**	**18S**	**37E**	**15**	**700**	**W103:13:42.01**	**N32:42:40.85**	**Lea**

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Crude Oil	**50 bbl**	**24 bbl**
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Steel Pipeline	**1/23/03-8:00 AM**	**1/23/03-10:45 AM**
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? **Sylvia Dickie - Hobbs NMOCD**	
By Whom? **Pat McCasland - EPI**	Date and Hour **1/23/03-11:35 AM**	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse. **NA**	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
Corroded pipeline (internal), repaired with clamp

Describe Area Affected and Cleanup Action Taken.*
~12500-ft^2 surface area affected; 50-bbl released; 24-bbl of crude recovered. Removal and disposal of contaminated soil above remedial goals was commenced by EPI.

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

Signature: Frank Hernandez	**OIL CONSERVATION DIVISION**	
Printed Name: **Frank Hernandez**	Approved by District Supervisor:	
Title: **District Environmental Supervisor**	Approval Date:	Expiration Date:
Date: **1/24/03** Phone: **915-638-3799**	Conditions of Approval:	☐ Attached

Attach Additional Sheets If Necessary