

AP - 29

ANNUAL MONITORING REPORT

YEAR(S):
2009



**2009 ANNUAL GROUNDWATER MONITORING REPORT
KIMBROUGH SWEET 8"
SECTION 3, TOWNSHIP 18 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS #2000-10757
NMOCD REF. # AP-0029**

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Environmental Bureau
Oil Conservation Division

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

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**

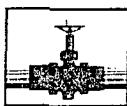
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Environmental Bureau
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March 29, 2010

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
Remediation Coordinator
Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

2009 ANNUAL GROUNDWATER MONITORING REPORT

KIMBROUGH SWEET 8"
LEA COUNTY, NEW MEXICO
SRS #2000 - 10757
NMOCD REF. # AP-0029

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Environmental Bureau
Oil Conservation Division

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

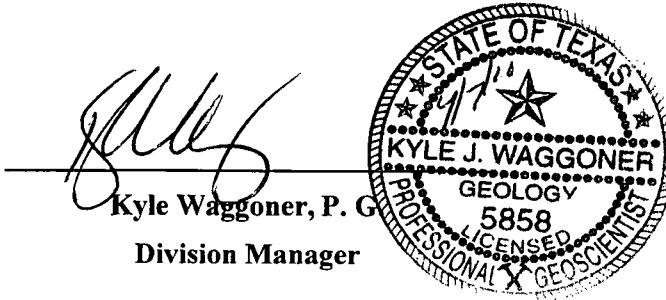
TALON/LPE PROJECT NO. 700376.050.01

Prepared by:



Steven R. Killingsworth, P.G.

Senior Project Manager



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

March 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 | edwardj.hansen@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 | 318 East Taylor Street Hobbs, New Mexico 88240 | skillingsworth@talonlpe.com |

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

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1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Background

The Kimbrough Sweet 8" (site) is located approximately seven (7) miles northwest of Hobbs, Lea County, New Mexico, on property owned by the State of New Mexico. There are no residences, groundwater wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from the 8" steel pipeline on October 25, 2000. At the time of the release, the pipeline was under the ownership of EOTT Energy Pipeline. Subsequently, EOTT changed its name to Link Energy in October 2003, and Plains Marketing, L.P. (Plains) purchased the assets of Link Energy on April 1, 2004. Initial reports estimated that 60 barrels (bbls) of crude oil were released and impacted approximately 15,613 feet of surface area. Approximately 22 bbls of crude oil was recovered during initial remediation activities.

The site is situated within a physiographic region that is on the extreme south-western portion of the Southern High Plains as it grades into the Edwards Plateau to the south and southeast and the Chihuahuan Desert of the Trans-Pecos Region to the southwest.

The topography proximal to the site is typical of the Southern High Plains, essentially flat with shallow depressions, or playa lakes, dotting the landscape. The prominent surface features on the Southern High Plains are the approximately 19,250 ephemeral playa lakes; however the density of the playa lakes diminishes toward the southern extent of the Southern High Plains. During periods of rainfall, the playas accumulate sheet runoff from watershed areas ranging in size from less than one square mile to several square miles. Only a small portion of drainage from rainfall occurs by streams. Playa lakes that collect storm water runoff can act as a recharge mechanism for groundwater.

The average elevation of the site area is approximately 3,720-feet above mean sea level with a slight slope to the southeast. The regional slope of the land surface in the Southern High Plains is approximately 100 feet per mile in a southeasterly direction.

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

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.

1.2 Previous Environmental Investigations

A total of thirteen (13) groundwater monitor wells have been installed in the vicinity of the release (see Figure 1). With New Mexico Oil Conservation Division (NMOCD) approval and landowner concurrence, groundwater monitor wells MW-1, MW-2, MW-3, and MW-4 were installed in January 2002. Groundwater monitor wells MW-5, MW-7, MW-8, and MW-9 were installed in July 2004, and monitor wells MW-6, MW-10, and MW-11 were installed in December 2004. Subsequently, monitor wells MW-12 and MW-13 were installed on March 11, 2009.

PSH recovery operations have been performed at the site since January 2002, initially by hand bailing. Currently, there are seven (7) pneumatic skimmer pumps in operation. Approximately 166 bbls of phase-separated hydrocarbon (PSH) has been recovered to date.

1.4 Regulatory Framework

Groundwater analytical data from this site was evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards.

| 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 following sections 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 summarized in Table 2, Table 3, and Table 4 in Appendix B, and Figures 3a through 3d in Appendix A. Laboratory analytical data reports and chains of custody documentation are included in Appendix C. In addition, cumulative historical 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 is to measure the depths to fluids and to collect groundwater samples from monitor wells 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 (4) groundwater monitoring events were conducted by Talon during the year 2009 on February 5, May 19, August 27, and December 14. During all of the groundwater monitoring events, the depths to fluids were measured in all of the monitoring wells (MW-1 through MW-13) using an oil/water interface probe.

During the first quarter, February 2009, sampling event, groundwater samples were collected from monitor wells MW-1, MW-3, MW-4, and MW-10. Samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH and MW-12 and MW-13 had not been installed.

During the second quarter, May 2009, sampling event, groundwater samples were collected from monitor wells MW-3, MW-10, MW-12 and MW-13. Samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH. Samples were not collected from monitor wells MW-1 and MW-4 since those wells were not on the sampling schedule for the second quarter.

During the August groundwater monitoring event, five (5) monitor wells (MW-3, MW-4, MW-10, MW-12, and MW-13) were purged a minimum of three (3) casing volumes and groundwater samples were collected. Pursuant to the NMOCD directive that samples will be collected from the groundwater below the PSH caps in monitor wells impacted with PSH, groundwater samples were also collected from four (4) monitor wells (MW-6 through MW-9). Monitor wells impacted with PSH were not purged of three (3) casing volumes prior to sample collection; however, a minimal purge was performed to ensure that the pump effluent tubing was cleared of any PSH. Samples were not collected from monitor wells MW-1, MW-2, MW-5, and MW-11 because there was not enough water present in the casing to allow for sample collection.

Details of the gauging, purging, and sample collection activities are presented in Section 2.2 below.

2.2 Groundwater Gauging, Purging, and Sample Collection Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and to determine the thickness of PSH accumulations if present. The data collected from measurements was used to construct groundwater gradient maps and PSH thickness maps. The results of the measured depths to fluids collected during the four (4) events are incorporated in Table 1 – Summary of Historical Fluid Level Measurements.

Subsequent to gauging, all monitor wells not impacted with PSH were purged using a down-hole pump equipped with vinyl tubing. The pump and tubing were decontaminated with Alconox® detergent and rinsed with distilled water after each use. Recovered purge water and water used in the decontamination process was contained in on-site 55-gallon drums. After the groundwater monitoring event, all retained water was removed with a vacuum truck. Approximately 60 gallons of purged groundwater and decontamination water during the monitoring events of 2009.

Groundwater samples were collected from all monitor wells using dedicated disposable polyethylene bailers, except for the monitor wells impacted with PSH during the August groundwater monitoring event. Groundwater samples were collected from wells impacted with PSH using a pump and vinyl tubing. Each groundwater sample was contained in laboratory supplied sample containers with the appropriate preservative required for the analysis requested. The groundwater samples were maintained on ice, in the custody of Talon personnel, until they were delivered to TraceAnalysis, Inc. in Midland, Texas for analyses.

The groundwater samples collected during all four events were quantified for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method SW-846 8021B. During the August event, samples collected from monitor wells both impacted and not impacted with PSH were also quantified for and polynuclear aromatic hydrocarbons (PAH) using EPA Method SW-846 8270C. Also during the August event, groundwater samples collected from wells impacted with PSH were quantified for total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (DRO) by EPA Method SW-846 8015B.

2.3 Phase Separated Hydrocarbon Recovery

PSH recovery has been conducted at the site since 2002, initially by hand bailing. In 2007, an automated skimmer recovery system was installed at the site. Currently, the system utilizes seven (7) skimmers in monitor wells MW-2, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-11 to recover PSH and to inhibit migration of the PSH plume. The skimmer assembly consists of bladder pumps combined with 24-inch traveling float specific gravity skimmer attachments. Since there is no electricity at the site, the skimmer system is powered by six nitrogen filled cylinders. Fluid, recovered by the pumps, is retained in a 3,000-gallon poly tank. The poly tank is equipped with a high level shut off switch to prevent overflow and it is located within a secondary recovery compound that is outfitted with a poly-liner. Periodically, recovered groundwater is removed from the poly tank and transported to an NMOCD approved disposal facility. PSH is also periodically removed with a vacuum truck and is re-introduced to the Plains' pipeline system at the Scharb Station and/or 34 Junction South pipeline.

During 2009 the quarterly PSH recovery totals are as followed:

- 1st Quarter – 1.0 bbls PSH, 1.1 bbls water
- 2nd Quarter – 4.0 bbls PSH, 15 bbls water
- 3rd Quarter – 7.0 bbls PSH, 25 bbls water
- 4th Quarter – 8.0 bbls PSH, 2.4 bbls water

Approximately 166 bbls of PSH have been recovered to date from the site.

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 data reports and chains of custody documentation are provided in Appendix C. In addition, cumulative historical analytical results are included in the tables section on the attached CD that is an adjunct to this report.

3.1 Groundwater Monitoring Results

The following sections present the results from the monitoring of the first water-bearing zone underlying the 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 six (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 potentiometric surface generally mirrors the land surface elevation with the regional flow direction 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 ranged from 62 to 66 feet below ground surface (bgs) and the groundwater flow direction ranges from the east southeast to the east northeast an average of 12 feet per mile. The saturated thickness of the Ogallala formation on the High Plains ranges from 25 feet to 175 feet. The variable thickness is due to the irregularly eroded Triassic surface that underlies it.

The composition of Ogallala groundwater is defined as mixed-cation-HCO₃, 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

The depth to fluid measurements was collected during each of the four (4) groundwater monitoring events during the year 2009. The results of the fluid level measurements are summarized in Table 1, Appendix B - Summary of Historical Fluid Level Measurements. In

addition, cumulative historical gauging data is located in the tables section on the CD that is an adjunct to this report.

The collected data was used to construct potentiometric surface maps in order to interpret the groundwater gradient and flow direction. The maps, designated Figures 2a through 2d, are presented in Appendix A.

The potentiometric surface maps constructed for each of the four (4) groundwater monitoring events indicates that the groundwater flow direction ranges from east southeast to east northeast with average gradient of 0.0023 feet/foot or approximately 12 feet per mile. Groundwater levels at the subject site have exhibited a steady decline of an average of 0.54 feet for the year that appears to be associated with a regional trend of declining groundwater levels for the Ogallala Aquifer.

3.1.3 Phase Separated Hydrocarbon (PSH)

An oil/water interface probe was used to determine the thicknesses of PSH during the four (4) groundwater monitoring events. Generally, PSH thicknesses have fluctuated from quarter to quarter during the year 2009 but have exhibited overall declines in thicknesses averaging 3.60 feet.

In addition to potentiometric surface maps, isopleth maps were prepared depicting the measured PSH thicknesses and PSH plume geometry. PSH plume delineation and thickness maps are presented in Appendix A as Figures 3a through 3d. Currently, the PSH plume is not well delineated to the northeast and to the northwest.

- In February of 2009, PSH was observed in monitor wells MW-2, MW-5 through MW-9, and MW-11. PSH thickness ranged from 2.39 feet to 6.58 feet.
- In May of 2009, PSH was observed in monitor wells MW-2, MW-5 through MW-9, and MW-11. PSH thickness ranged from 2.04 feet to 7.84 feet.
- In August of 2009, PSH was observed in monitor wells MW-2, MW-5 through MW-9, and MW-11. PSH thickness ranged from 0.91 feet to 6.19 feet.
- In December of 2009, PSH was observed in monitor wells MW-2, MW-5 through MW-9, and MW-11. PSH thickness ranged from 0.18 feet to 3.46 feet.

PSH isopleths maps are presented as Figure 3a through 3d in Appendix A. The measurements indicate that the PSH plume thicknesses have declined significantly over the year 2009 with an overall average decrease of 3.60 feet. The largest decreases in PSH thicknesses occurred in monitor wells MW-5, MW-7 and MW-8, which are located near the perimeter of the plume indicating that the plume may be contracting.

PSH recovery operations have been performed at the site since 2002. Currently, there are a total of seven (7) skimmers with bladder pumps in operation in monitor wells MW-2, MW-5 through MW-9, and MW-11. A summary of the historical groundwater and PSH gauging is provided in Table 1 in Appendix B. Approximately 166 bbls of PSH have been recovered to date.

3.1.4 Groundwater Sampling Results

During the first quarter, February 2009, sampling event, groundwater samples were collected from monitor wells MW-1, MW-3, MW-4, and MW-10. Samples were not collected from

monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH and MW-12 and MW-13 had not been installed. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 16.7 mg/L. The benzene concentration exceeded the NMWQCC groundwater standard of 0.010 mg/L in the groundwater sample collected from monitor well MW-3.
- Toluene was not detected in any groundwater sample collected during the first quarter groundwater monitoring event.
- Ethylbenzene concentrations ranged from <0.00100 mg/L to 0.196 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any groundwater sample collected during the first quarter groundwater monitoring event.
- Xylene concentrations ranged from <0.00100 mg/L to 0.271 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any groundwater sample collected during the first quarter groundwater monitoring event.

During the second quarter, May 2009, sampling event, groundwater samples were collected from monitor wells MW-3, MW-10, MW-12 and MW-13. Samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH. Samples were not collected from monitor wells MW-1 and MW-4 since those wells were not on the sampling schedule for the second quarter. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 20.7 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in the groundwater samples collected from monitor wells MW-3, MW-12 and MW-13.
- Toluene was not detected in any groundwater sample collected during the second quarter groundwater monitoring event.
- Ethylbenzene was not detected in any groundwater sample collected during the second quarter groundwater monitoring event.
- Xylene concentrations ranged from <0.00100 mg/L to 0.457 mg/L. All xylene concentrations were below the NMWQCC groundwater standard of 0.620 mg/L.

During the August 2009 sampling event, groundwater samples were collected from nine (9) monitor wells including wells impacted with PSH (MW-6 through MW-9). Samples were not collected from monitor wells, MW-1, MW-2, MW-5, and MW-11 due to insufficient water in the casing of those wells to allow for sample collection. The samples that were collected from each monitor well were quantified for PAH as well as BTEX. In addition, groundwater samples collected from monitor wells impacted with PSH were quantified for total petroleum hydrocarbons (TPH) by EPA Method 8015.

Laboratory analytical results for the groundwater samples collected from monitor wells not impacted with PSH exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 16.0 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from monitor well MW-3 and MW-12.
- Toluene was not detected in any groundwater sample collected from monitor wells not impacted with PSH.

impacted with PSH during the third quarter groundwater monitoring event.

- Ethylbenzene was not detected in any groundwater sample collected from monitor wells not impacted with PSH during the third quarter groundwater monitoring event.
- Xylene concentrations ranged from <0.00100 mg/L to 1.97 mg/L. The xylene concentration exceeded the NMWQCC groundwater standard of 0.620 mg/L in groundwater sample collected from monitor well MW-3.
- Naphthalene concentrations ranged from <0.000187 mg/L to 0.0440 mg/L. The naphthalene concentration exceeded the NMWQCC groundwater standard of 0.030 in the groundwater sample collected from monitor well MW-3. PAH analytical results from monitor wells not impacted with PAH are summarized in Tables 3 in Appendix B.

Laboratory analytical results for the groundwater samples collected from monitor wells that were impacted with PSH exhibited the following findings:

- Benzene concentrations ranged from 15.3 mg/L to 17.8 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in groundwater samples collected from all monitor wells impacted with PSH.
- Toluene concentrations ranged from 9.38 mg/L to 10.9 mg/L. Toluene concentrations exceeded the NMWQCC groundwater standard of 0.750 mg/L in groundwater samples collected from all monitor wells impacted with PSH.
- Ethylbenzene concentrations ranged from 1.78 mg/L to 2.19 mg/L. Ethylbenzene concentrations exceeded the NMWQCC groundwater standard of 0.750 mg/L in groundwater samples collected from all monitor wells impacted with PSH.
- Xylene concentrations ranged from 4.32 mg/L to 5.29 mg/L. Xylene concentration exceeded the NMWQCC groundwater standard of 0.620 mg/L in all groundwater samples collected from all monitor wells impacted with PSH
- Naphthalene concentrations ranged from 1.36 mg/L to 9.02 mg/L. Naphthalene concentrations exceed the NMWQCC groundwater standard of 0.030 in all groundwater samples collected from monitor wells impacted with PAH. PAH analytical results from monitor wells impacted with PSH are summarized in Tables 4 in Appendix B.

During the fourth quarter, December 2009, sampling event, groundwater samples were collected from monitor wells MW-3, MW-4, MW-10, MW-12 and MW-13. Samples were not collected from monitor wells MW-2, MW-5 through MW-9 and MW-11, due to the presence of PSH. A sample was not collected from monitor well MW-1 due to insufficient water in the casing to allow for sample collection. Laboratory analytical results of the groundwater samples exhibited the following findings:

- Benzene concentrations ranged from <0.00100 mg/L to 19.1 mg/L. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in the groundwater samples collected from monitor wells MW-3 and MW-12.
- Toluene was not detected in any groundwater sample collected during the fourth quarter groundwater monitoring event.
- Ethylbenzene was not detected in any groundwater sample collected during the fourth quarter groundwater monitoring event.
- Xylene was not detected in any groundwater sample collected during the fourth quarter groundwater monitoring event.

The dissolved-phase plume is delineated to NMWQCC groundwater standards in all directions as depicted on the groundwater concentration maps 3a through 3d in Appendix A. The results of the laboratory analyses are summarized in Table 2 – Summary of Groundwater Analytical Results in Appendix B. Laboratory analytical data reports and chains of custody documentation are provided in Appendix C. In addition, cumulative historical analytical results are located on the attached CD that is an adjunct to this report.

4 CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the four groundwater monitoring events conducted at the Kimbrough Sweet 8" site and Section 4.2 provides recommendations for future corrective action.

4.1 Summary of Findings

- The groundwater flow direction ranged from east southeast to east northeast with an average gradient of 0.0023 ft/ft or approximately 12 feet per mile based on the water level measurement data collected in 2009.
- PSH is impacting monitor wells MW-2, MW-5 through MW-9, and MW-11. Skimmers and bladder pumps are installed in those wells.
- The PSH plume underlying this site has not been well delineated by the current monitor well geometry to the northeast and northwest.
- PSH thicknesses have declined significantly over the year 2009 indicating that the plume may be contracting. Approximately 20 bbls of PSH was recovered during the year 2009 indicating that the PSH recovery system is performing its function.
- Monitor wells MW-3 and MW-12 exhibited increases in dissolved-phase concentrations over the year 2009 indicating that the dissolved-phase plume may be migrating down-gradient.

4.2 Recommendations

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

- Continue operation and maintenance of the skimmer/bladder pump PSH recovery system. Monitor the system on a weekly basis to optimize PSH recovery efficiency.
- Add or reposition pumps as necessary to optimize PSH recovery and inhibit plume migration.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives. A sample will be collected from monitor well MW-1 and analyzed for BTEX semi-annually and for PAH annually if enough groundwater is present in the casing to allow for sample collection.
- Since up-gradient monitor well MW-10 and cross-gradient monitor well MW-4 have predominately not detected BTEX analytes, Talon LPE recommends that those wells be sampled and analyzed for BTEX annually.
- 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.

APPENDIX A

Drawings

Figure 1 - Site Plan with Proposed Monitor Well Locations Map

Figure 2a - Groundwater Gradient Map - 02/05/2009

Figure 2b - Groundwater Gradient Map - 05/19/2009

Figure 2c - Groundwater Gradient Map - 08/27/2009

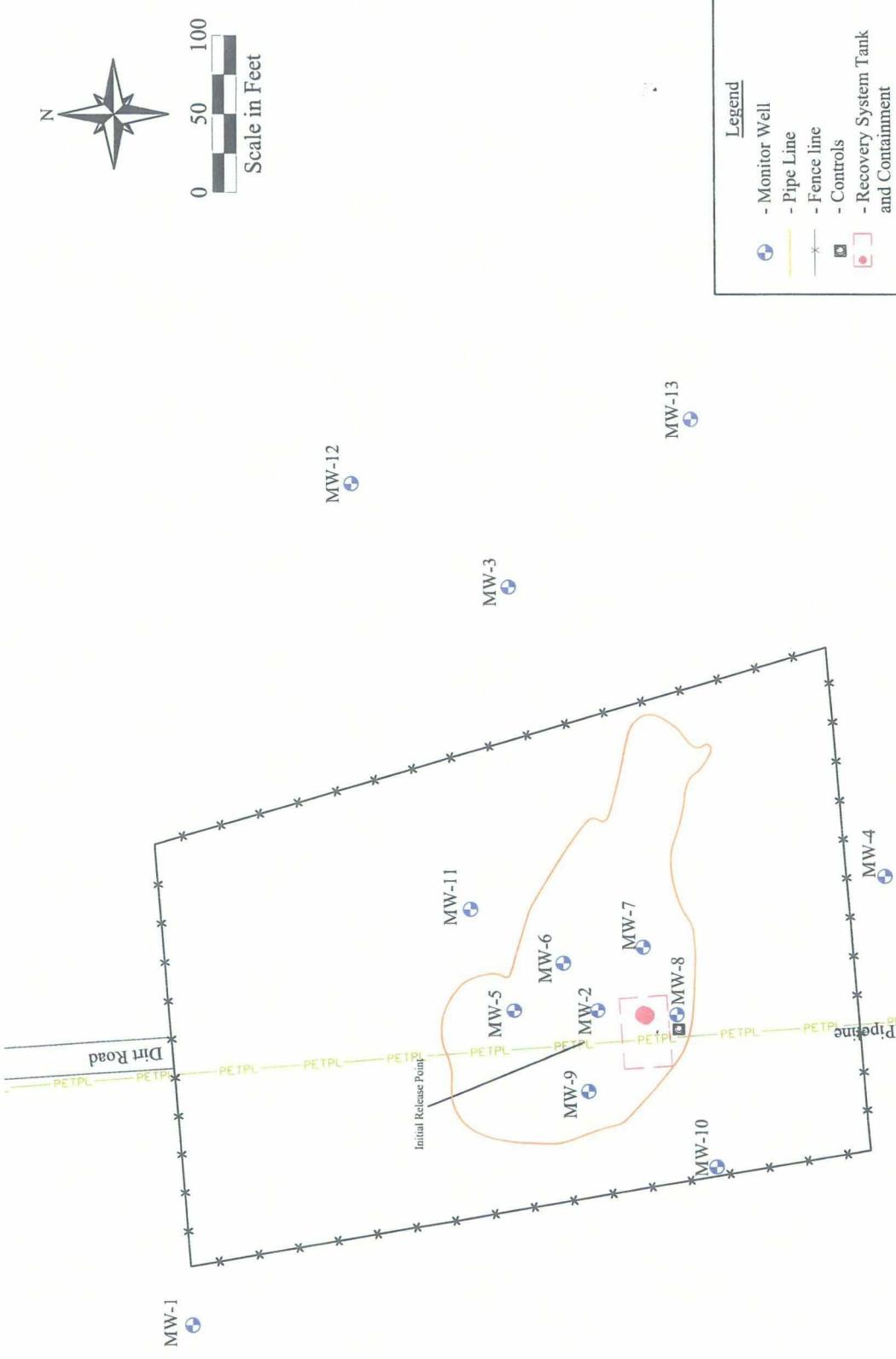
Figure 2d - Groundwater Gradient Map - 12/14/2009

Figure 3a - PSH Thickness & Groundwater Concentration Map - 02/05/2009

Figure 3b - PSH Thickness & Groundwater Concentration Map - 05/19/2009

Figure 3c - PSH Thickness & Groundwater Concentration Map - 08/27/2009

Figure 3d - PSH Thickness & Groundwater Concentration Map - 12/14/2009



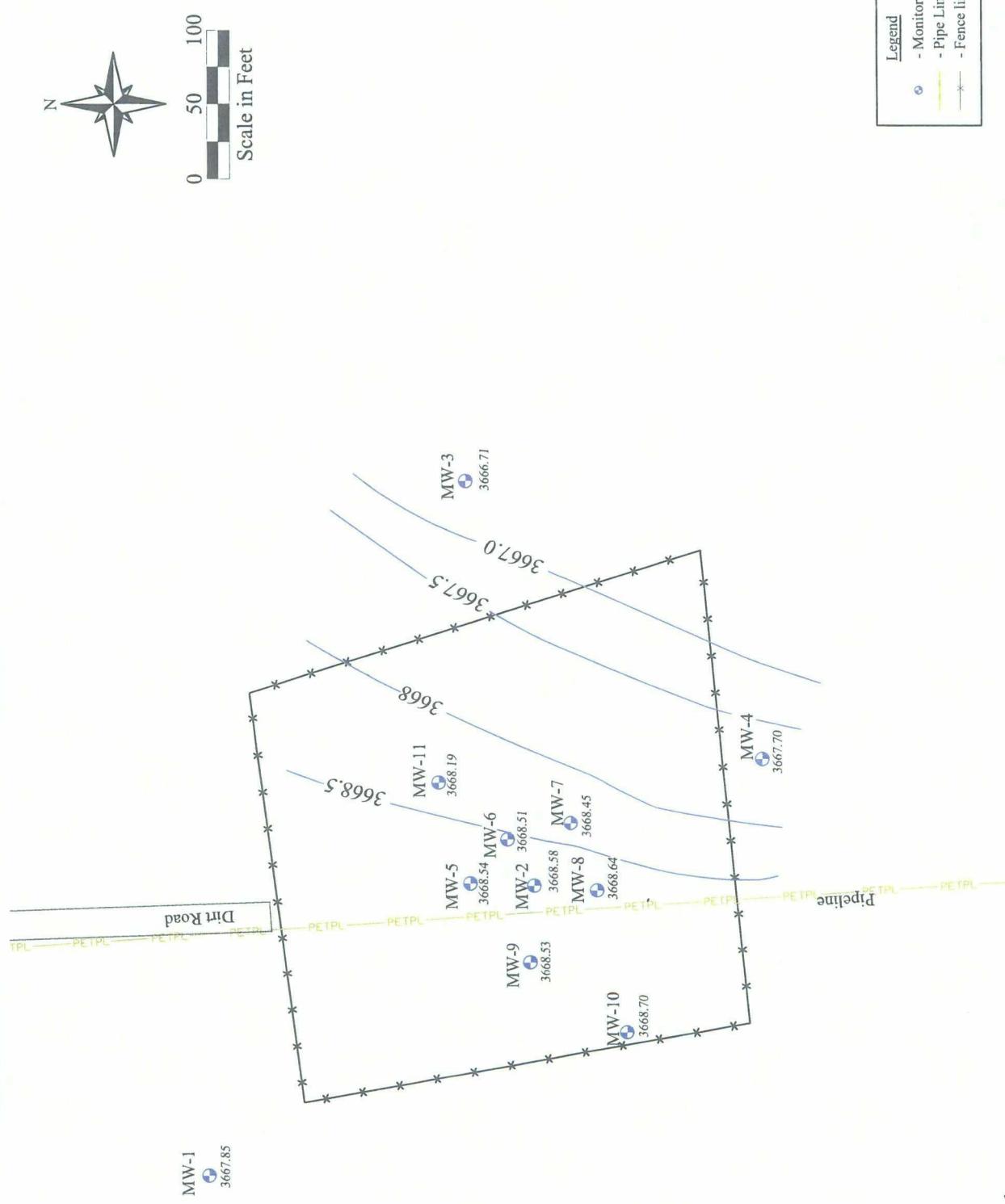
Project # 700376.050.01



| |
|------------------|
| Date: 07/9/2009 |
| Scale: 1" = 100' |
| Drawn By: HDJ |

Kimbrough Sweet 8''
SRS # 2000-10757, NMOCID REF. # AP-0029
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

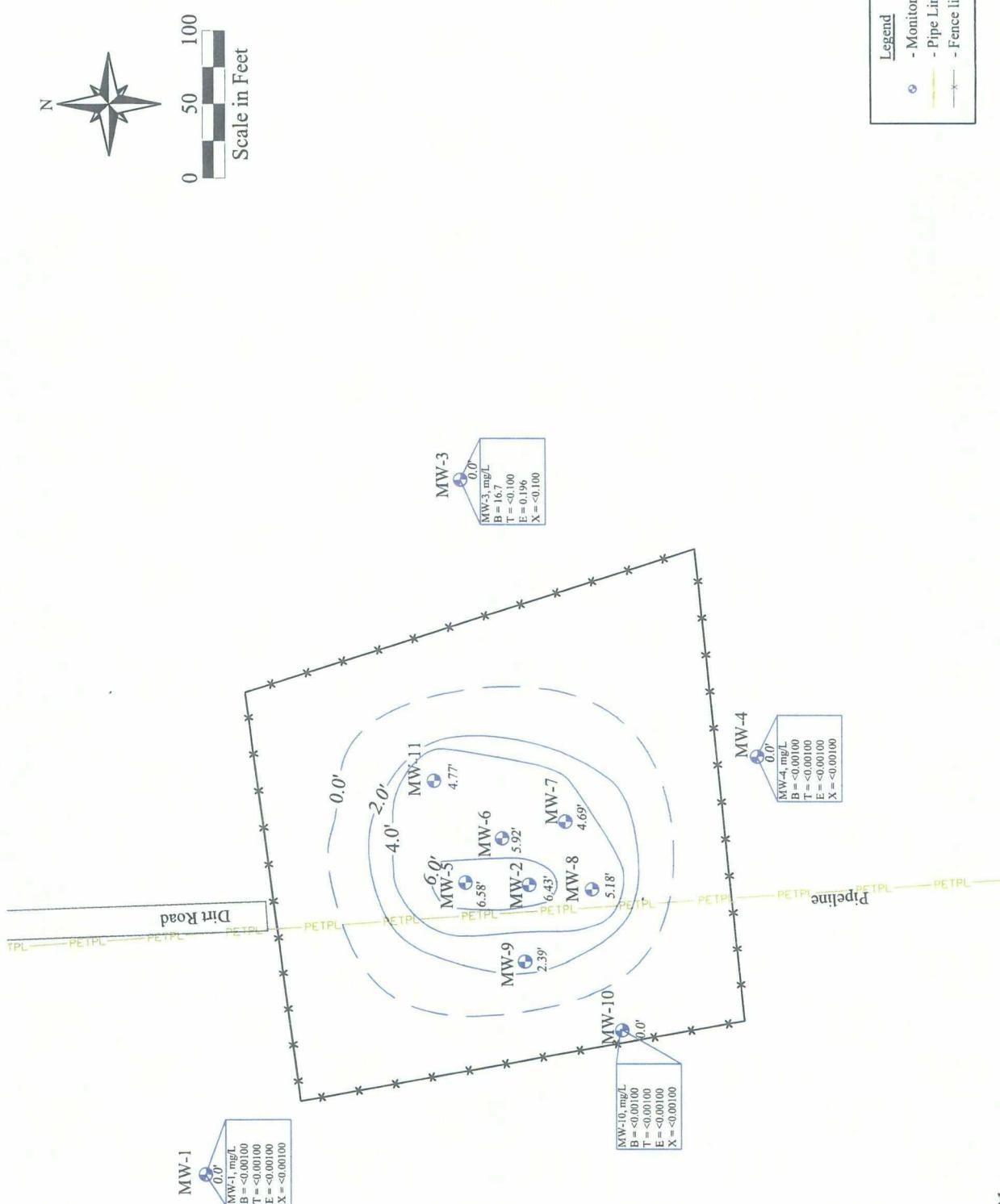
Figure 1 - Site Map



Project # 700376.050.01



Kimbrough Sweet 8"
SRS # 2000-10757, NMOCDF REF. # AP-0029
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
Figure 2a - Groundwater Gradient Map - 2/5/09



Project # 700376.050.01



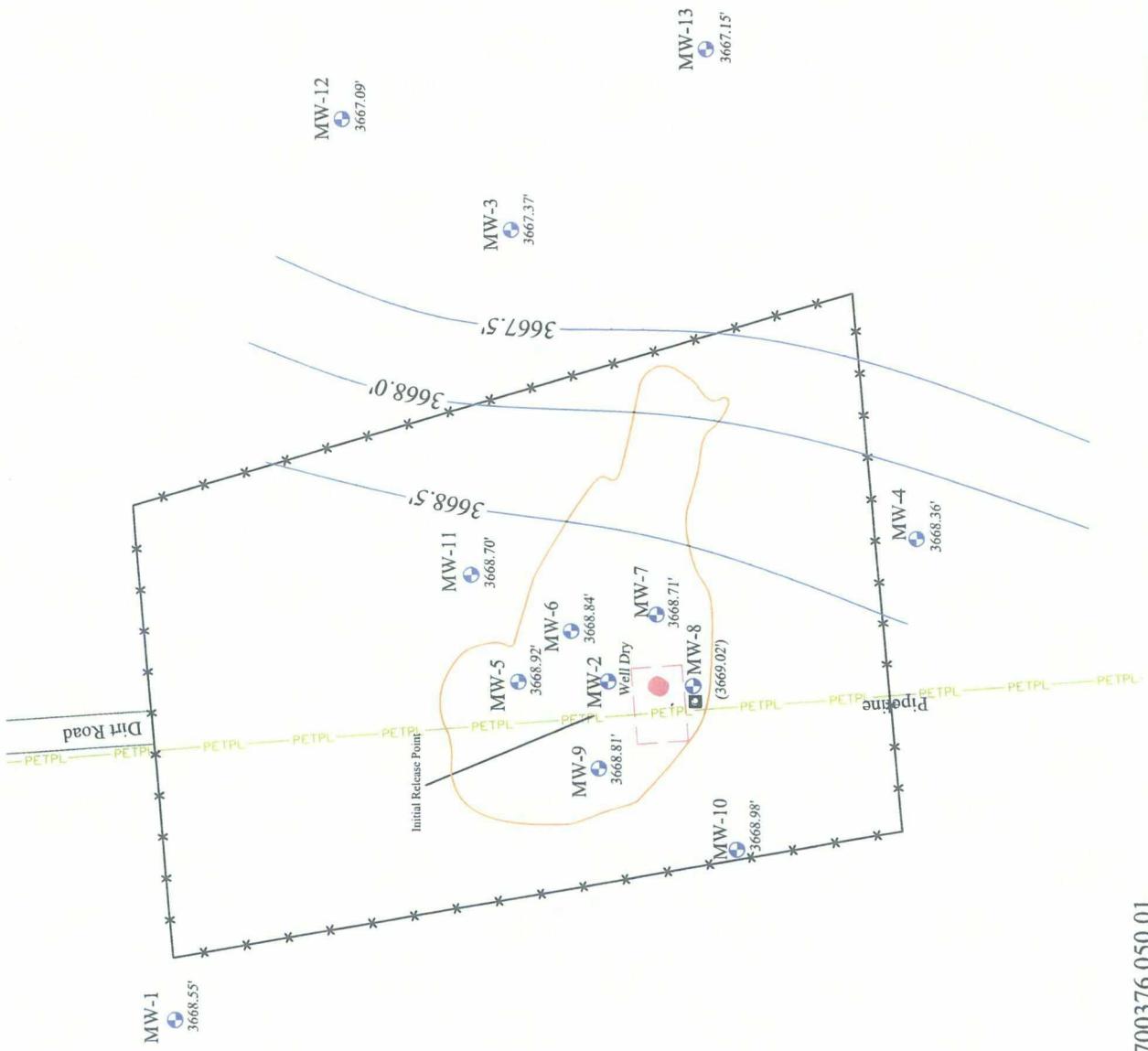
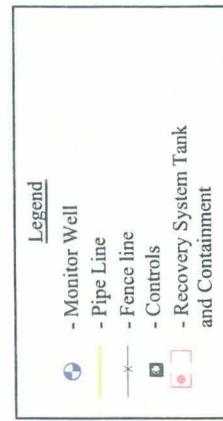
Date: 03/25/2009
Scale: 1" = 100'
Drawn By: SJA

Kimbrough Sweet 8
SRS # 2000-10757, NIMOCD REF. # AP-0029

SRS # 2000-10/J, INVOICED 11/11/2009
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
Figure 3a - PSH Thickness & Groundwater Concentration Map - 2/5/09



Scale in Feet
0 50 100

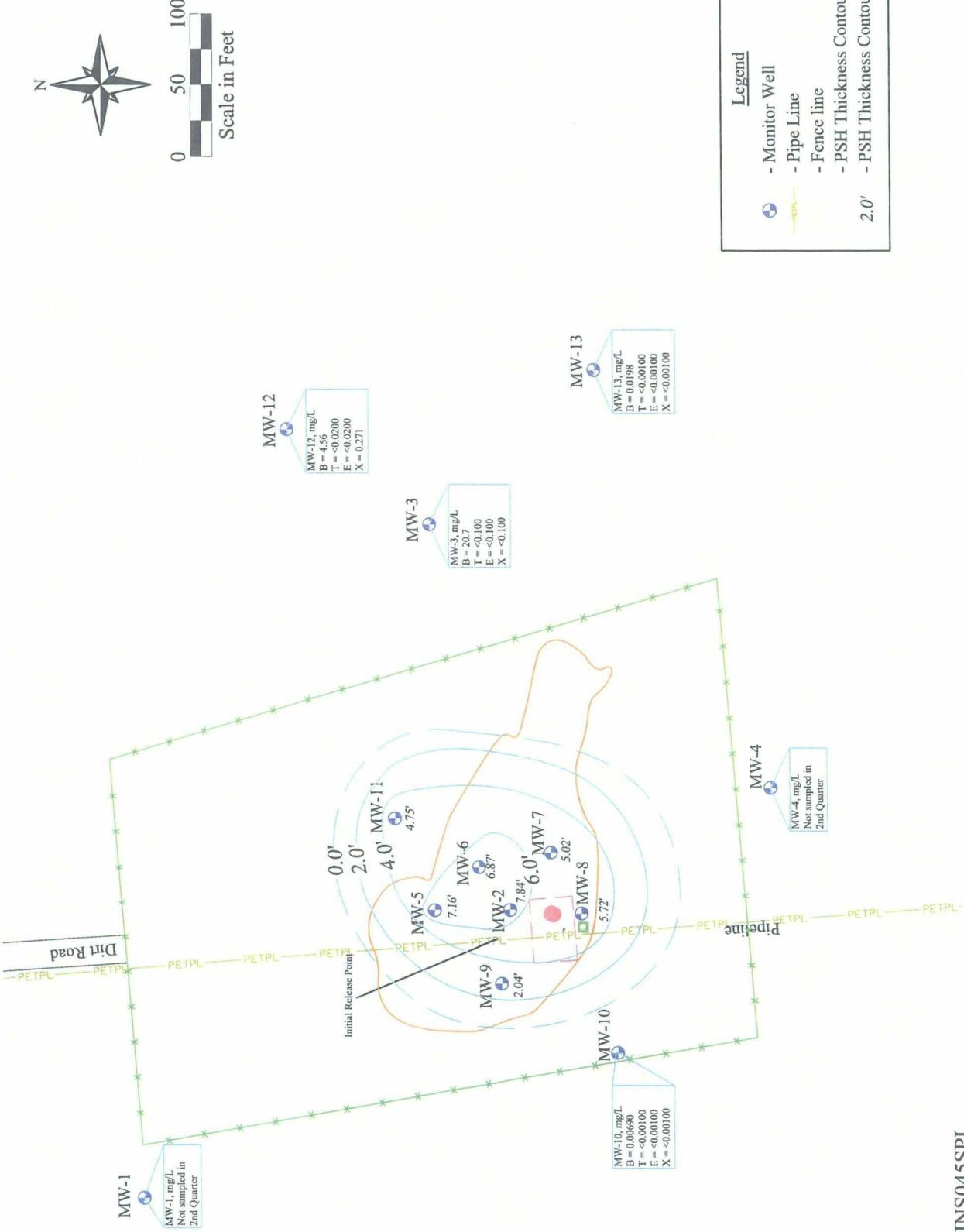


Project # 700376.050.01



| |
|------------------|
| Date: 01/13/2010 |
| Scale: 1" = 100' |
| Drawn By: TJS |

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCRD REF. # AP-0029
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
Figure 2b - Groundwater Gradient Map - 5/19/09



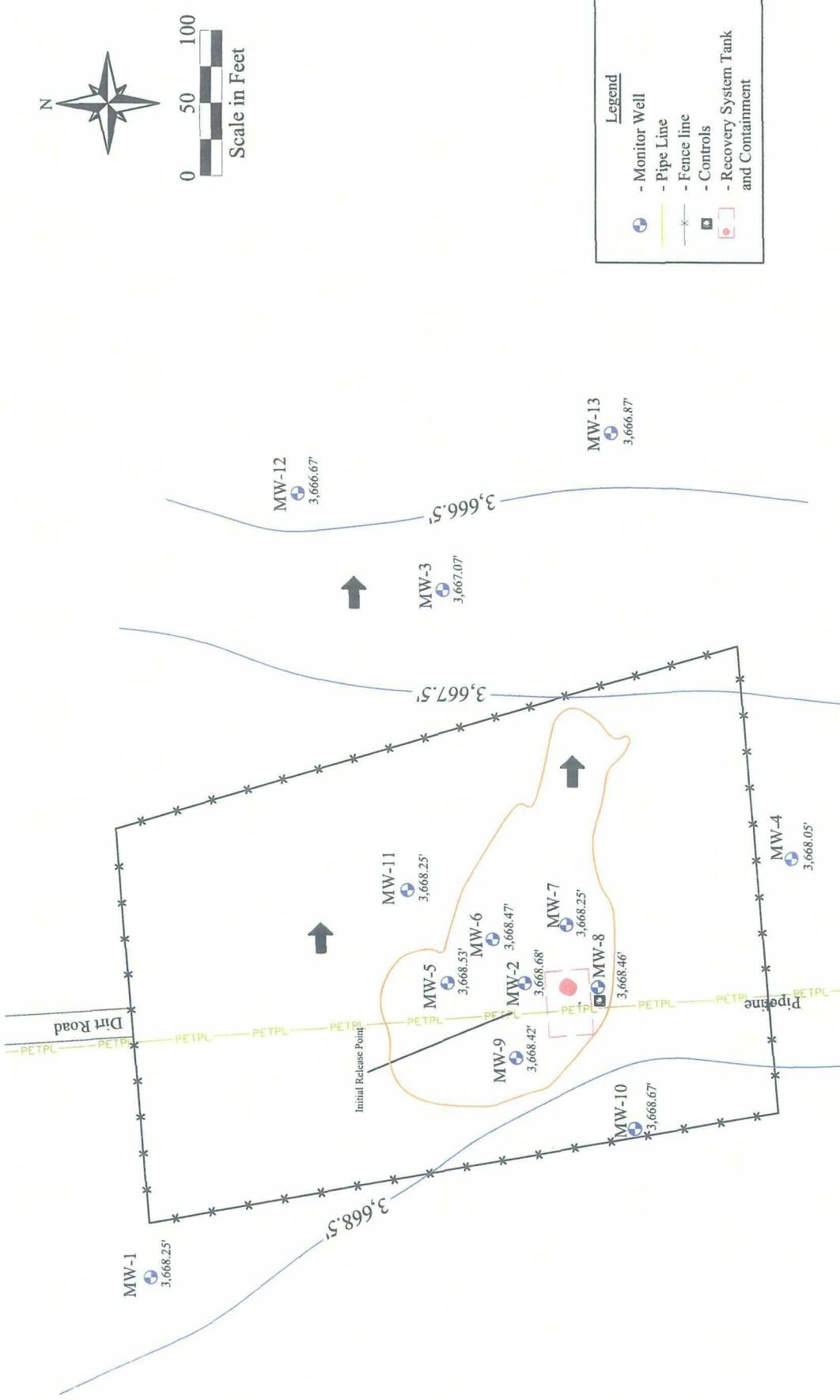
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|------------------|
| Date: 07/09/2009 |
| Scale: 1" = 100' |
| Drawn By: HDJ |

Kimbrough Sweet 8"

SRS # 2000-10757, NMOCD REF # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 3b - PSH Thickness & Groundwater Concentration (5/19/2009)

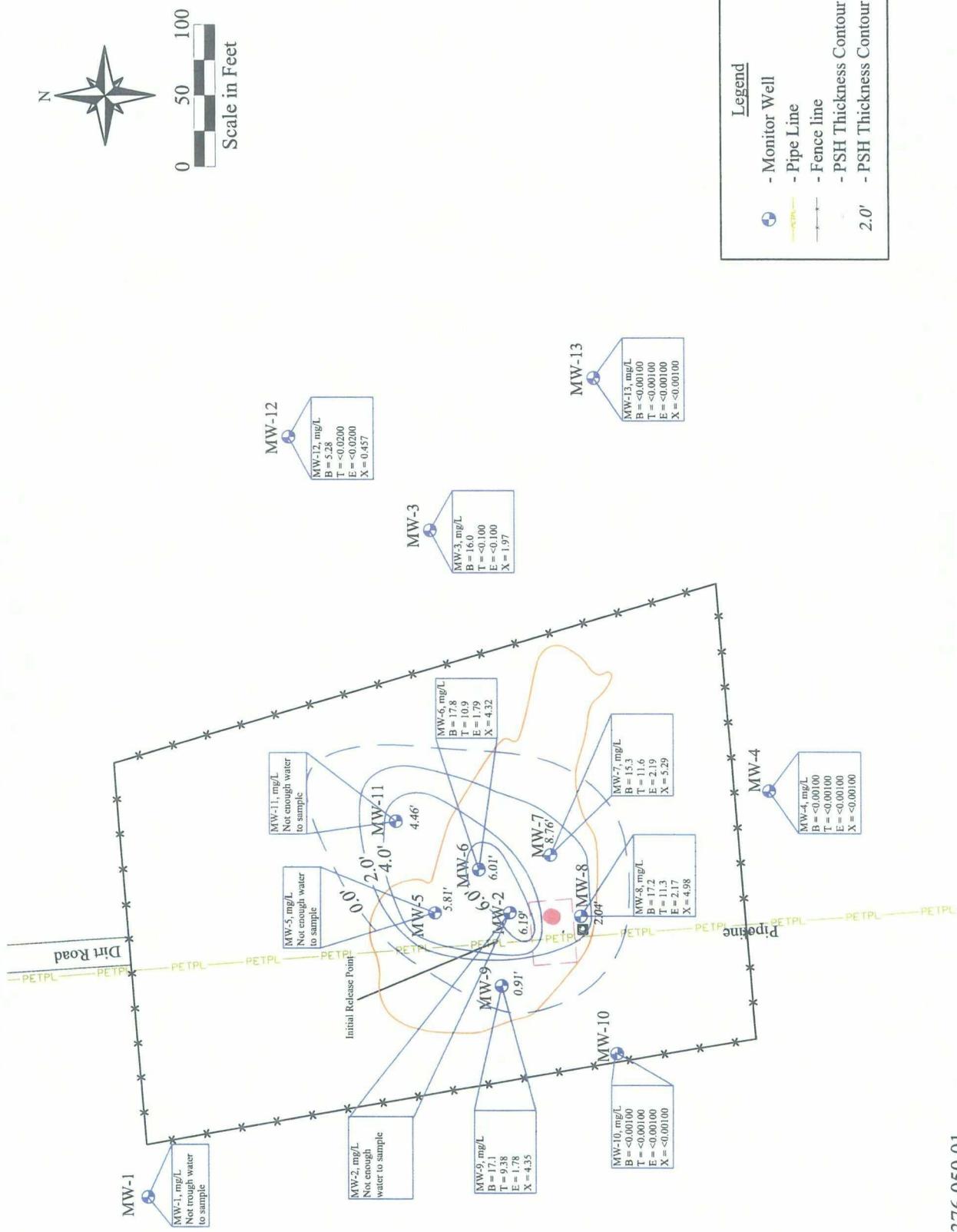


Project # 700376.050.01



| |
|------------------|
| Date: 01/13/2010 |
| Scale: 1" = 100' |
| Drawn By: TJS |

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCID REF. # AP-0029
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
Figure 2c - Groundwater Gradient Map - 8/27/09



Project # 700376.050.01



Date: 01/13/2010
Scale: 1" = 100'
Drawn By: TJS

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCRD REF. # AP-0029
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
Figure 3c - PSH Thickness & Groundwater Concentration Map - 8/27/2009

Kimbrough Sweet 8"
SBS # 2000-10757. NMOCDFEE. # APP-0029

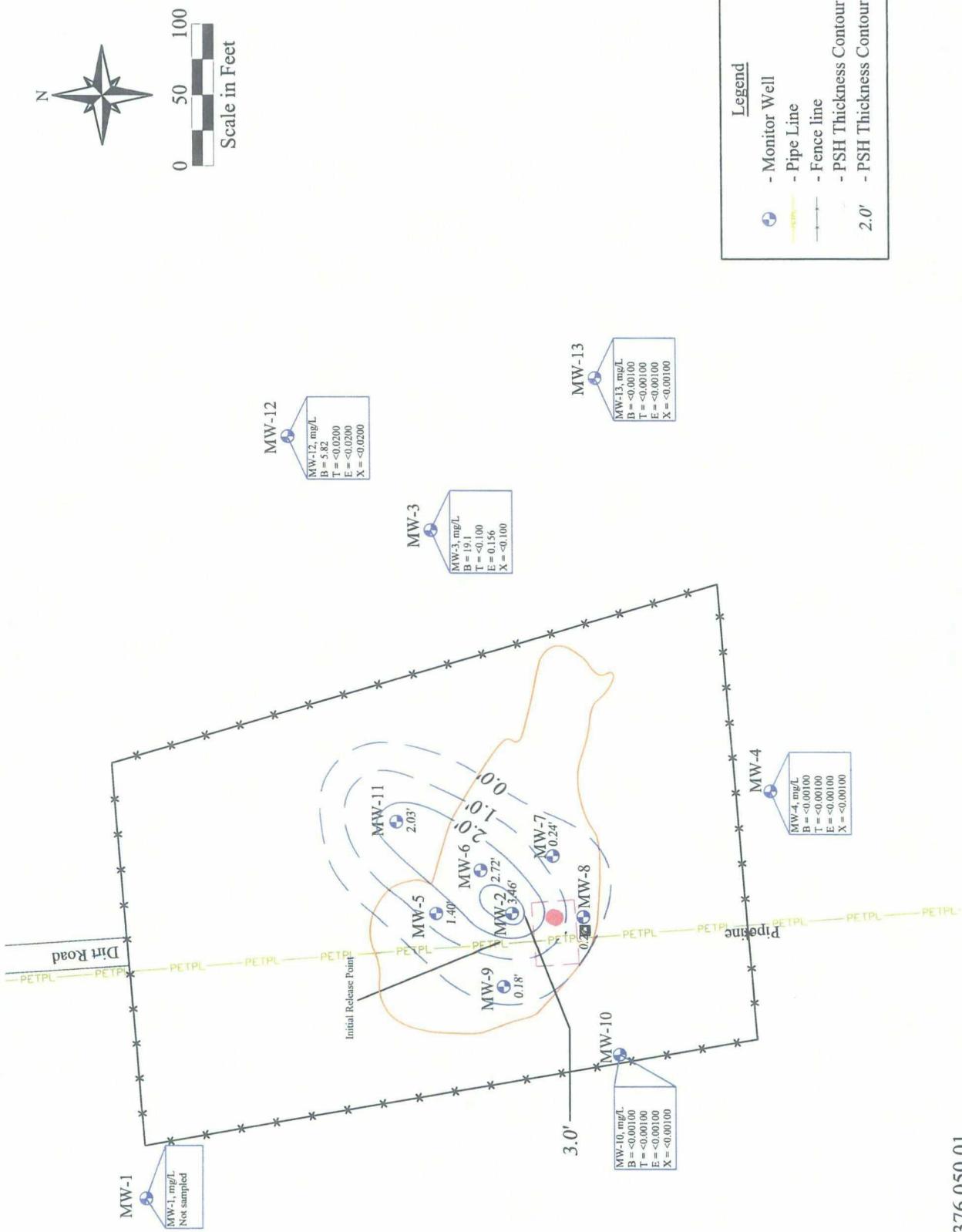


Project # 700376.050.01



| |
|------------------|
| Date: 01/13/2010 |
| Scale: 1" = 100' |
| Drawn By: TJS |

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCRD REF. # AP-0029
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
Figure 2d - Groundwater Gradient Map, - (12/14/2009)



Kimbrough Sweet 8"

SRS # 2000-10757, NIMOCRD REF. # AP-0029

SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico

Figure 3d - PSH Thickness & Groundwater Concentration (12/14/2009)

| |
|------------------|
| Date: 01/13/2010 |
| Scale: 1" = 100' |
| Drawn By: TJS |

TALON LPE

APPENDIX B

Tables

Table 1 - Summary of Groundwater Elevations and Phase Separated Hydrocarbon (PSH) Thicknesses

Table 2 - Summary of Groundwater Analytical Results

Table 3 - Summary of Groundwater Polynuclear Aromatic Hydrocarbon (PAH) Analytical Results

Table 4 - Summary of Groundwater Analytical Results in Monitor Wells Impacted with PSH



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|--|--------------|--------------------------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-1 | 01/24/02 | | | Well Installed 24 January 2002 | | |
| MW-1 | 10/04/02 | 3,723.13 | | 51.26 | | 3,671.87 |
| MW-1 | 12/11/02 | | | 51.43 | | 3,671.70 |
| MW-1 | 02/20/03 | | | 51.62 | | 3,671.51 |
| MW-1 | 02/11/04 | | | 52.45 | | 3,670.68 |
| MW-1 | 08/16/04 | | | 53.15 | | 3,669.98 |
| MW-1 | 03/22/05 | | | 52.70 | | 3,670.43 |
| MW-1 | 03/31/05 | | | 52.65 | | 3,670.48 |
| MW-1 | 04/22/05 | | | 52.69 | | 3,670.44 |
| MW-1 | 05/12/05 | | | 52.73 | | 3,670.40 |
| MW-1 | 05/25/05 | | | 52.73 | | 3,670.40 |
| MW-1 | 06/28/05 | | | 52.81 | | 3,670.32 |
| MW-1 | 07/25/05 | | | 52.91 | | 3,670.22 |
| MW-1 | 08/22/05 | | | 52.98 | | 3,670.15 |
| MW-1 | 11/14/05 | | | 53.18 | | 3,669.95 |
| MW-1 | 11/30/05 | | | 53.47 | | 3,669.66 |
| MW-1 | 02/06/06 | | | 53.67 | | 3,669.46 |
| MW-1 | 03/01/06 | | | 53.21 | | 3,669.92 |
| MW-1 | 05/02/06 | | | 52.34 | | 3,670.79 |
| MW-1 | 05/25/06 | | | 51.45 | | 3,671.68 |
| MW-1 | 08/10/06 | | | 53.45 | | 3,669.68 |
| MW-1 | 11/29/06 | | | 53.60 | | 3,669.53 |
| MW-1 | 12/06/06 | | | 53.63 | | 3,669.50 |
| MW-1 | 01/10/07 | | | 53.71 | | 3,669.42 |
| MW-1 | 02/08/07 | | | 53.58 | | 3,669.55 |
| MW-1 | 03/01/07 | | | 53.91 | | 3,669.22 |
| MW-1 | 03/06/07 | | | 53.62 | | 3,669.51 |
| MW-1 | 03/14/07 | | | 53.85 | | 3,669.28 |
| MW-1 | 04/02/07 | | | 53.67 | | 3,669.46 |
| MW-1 | 04/09/07 | | | 53.89 | | 3,669.24 |

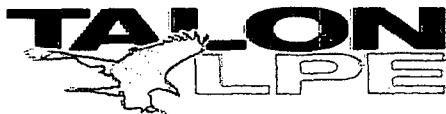


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness feet | Corrected Relative Groundwater Elevation feet amsl |
|---------------|-------------|--|--------------|----------------|-----------------------|---|
| | | feet amsl* | feet btoc* | feet btoc | | |
| MW-1 | 04/16/07 | | | 53.92 | | 3,669.21 |
| MW-1 | 05/01/07 | | | 53.93 | | 3,669.20 |
| MW-1 | 05/21/07 | | | 53.99 | | 3,669.14 |
| MW-1 | 06/13/07 | | | 53.90 | | 3,669.23 |
| MW-1 | 06/26/07 | | | 53.92 | | 3,669.21 |
| MW-1 | 07/18/07 | | | 54.02 | | 3,669.11 |
| MW-1 | 09/13/07 | | | 54.13 | | 3,669.00 |
| MW-1 | 10/24/07 | | | 54.19 | | 3,668.94 |
| MW-1 | 12/03/07 | | | 54.32 | | 3,668.81 |
| MW-1 | 01/29/08 | | | 54.51 | | 3,668.62 |
| MW-1 | 03/13/08 | | | 54.52 | | 3,668.61 |
| MW-1 | 05/14/08 | | | 54.64 | | 3,668.49 |
| MW-1 | 06/03/08 | | | 54.67 | | 3,668.46 |
| MW-1 | 06/18/08 | | | 54.79 | | 3,668.34 |
| MW-1 | 07/01/08 | | | 54.73 | | 3,668.40 |
| MW-1 | 07/02/08 | | | 54.82 | | 3,668.31 |
| MW-1 | 08/28/08 | | | 54.89 | | 3,668.24 |
| MW-1 | 09/26/08 | | | 54.98 | | 3,668.15 |
| MW-1 | 10/27/08 | | | 55.06 | | 3,668.07 |
| MW-1 | 12/02/08 | | | 55.14 | | 3,667.99 |
| MW-1 | 01/15/09 | | | 55.25 | | 3,667.88 |
| MW-1 | 02/05/09 | | | 55.28 | | 3,667.85 |
| MW-1 | 04/06/09 | | | 55.42 | | 3,667.71 |
| MW-1 | 05/19/09 | 3,724.09 | | 55.54 | | 3,668.55 |
| MW-1 | 08/27/09 | | | 55.84 | | 3,668.25 |
| MW-1 | 12/14/09 | | | 56.03 | | 3,668.06 |
| MW-2 | 01/08/02 | Well Installed 8 January 2002 | | | | |
| MW-2 | 01/09/02 | 3,722.90 | 49.20 | 53.60 | 4.40 | 3,673.26 |
| MW-2 | 10/04/02 | | 49.21 | 56.33 | 7.12 | 3,672.98 |

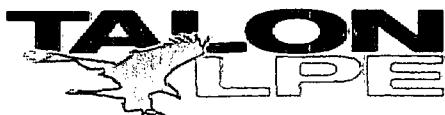


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-2 | 11/11/02 | | 49.25 | 56.30 | 7.05 | 3,672.95 |
| MW-2 | 12/11/02 | | 49.25 | 56.34 | 7.09 | 3,672.94 |
| MW-2 | 02/20/03 | | 49.57 | 56.30 | 6.73 | 3,672.66 |
| MW-2 | 03/26/03 | | 49.66 | 58.09 | 8.43 | 3,672.40 |
| MW-2 | 04/08/03 | | 49.68 | 58.11 | 8.43 | 3,672.38 |
| MW-2 | 04/23/03 | | 50.00 | 56.90 | 6.90 | 3,672.21 |
| MW-2 | 04/24/03 | | 49.75 | 58.10 | 8.35 | 3,672.32 |
| MW-2 | 04/25/03 | | 49.78 | 57.95 | 8.17 | 3,672.30 |
| MW-2 | 05/03/03 | | 49.77 | 58.10 | 8.33 | 3,672.30 |
| MW-2 | 05/06/03 | | 49.75 | 58.08 | 8.33 | 3,672.32 |
| MW-2 | 06/09/03 | | 49.83 | 58.13 | 8.30 | 3,672.24 |
| MW-2 | 06/30/03 | | 49.95 | 58.04 | 8.09 | 3,672.14 |
| MW-2 | 04/12/04 | | 50.58 | 58.91 | 8.33 | 3,671.49 |
| MW-2 | 06/04/04 | | 50.85 | 57.62 | 6.77 | 3,671.37 |
| MW-2 | 06/21/04 | | 50.74 | 59.01 | 8.27 | 3,671.33 |
| MW-2 | 10/21/04 | | 50.59 | 58.20 | 7.61 | 3,671.55 |
| MW-2 | 03/22/05 | | 51.02 | 55.90 | 4.88 | 3,671.39 |
| MW-2 | 03/31/05 | | 51.02 | 55.90 | 4.88 | 3,671.39 |
| MW-2 | 04/22/05 | | 50.98 | 56.50 | 5.52 | 3,671.37 |
| MW-2 | 05/25/05 | | 51.23 | 55.61 | 4.38 | 3,671.23 |
| MW-2 | 07/25/05 | | 51.11 | 57.74 | 6.63 | 3,671.13 |
| MW-2 | 11/30/05 | | 51.50 | 58.85 | 7.35 | 3,670.67 |
| MW-2 | 02/06/06 | | 51.64 | 56.19 | 4.55 | 3,670.81 |
| MW-2 | 03/01/06 | | 51.67 | 59.20 | 7.53 | 3,670.48 |
| MW-2 | 05/02/06 | | 51.91 | 58.86 | 6.95 | 3,670.30 |
| MW-2 | 05/25/06 | | 51.19 | 58.62 | 7.43 | 3,670.97 |
| MW-2 | 08/10/06 | | 51.45 | 59.00 | 7.55 | 3,670.70 |
| MW-2 | 11/29/06 | | 51.63 | 59.18 | 7.55 | 3,670.52 |
| MW-2 | 12/06/06 | | 51.67 | 59.11 | 7.44 | 3,670.49 |
| MW-2 | 01/10/07 | | 51.78 | 58.03 | 6.25 | 3,670.50 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|--|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-2 | 03/01/07 | | 52.41 | 60.05 | 7.64 | 3,669.73 |
| MW-2 | 03/06/07 | | 52.92 | 61.25 | 8.33 | 3,669.15 |
| MW-2 | 03/14/07 | | 52.14 | 60.43 | 8.29 | 3,669.93 |
| MW-2 | 04/02/07 | | 51.93 | 59.22 | 7.29 | 3,670.24 |
| MW-2 | 04/09/07 | | 52.95 | 58.44 | 5.49 | 3,669.40 |
| MW-2 | 04/16/07 | | 51.92 | 59.09 | 7.17 | 3,670.26 |
| MW-2 | 05/01/07 | | 50.58 | 60.17 | 9.59 | 3,671.36 |
| MW-2 | 05/21/07 | | 57.42 | 59.03 | 1.61 | 3,665.32 |
| MW-2 | 06/26/07 | | 52.68 | 57.24 | 4.56 | 3,669.76 |
| MW-2 | 06/28/07 | | 52.64 | 56.53 | 3.89 | 3,669.87 |
| MW-2 | 07/18/07 | | 52.55 | 57.79 | 5.24 | 3,669.83 |
| MW-2 | 08/21/07 | | 52.50 | 57.65 | 5.15 | 3,669.89 |
| MW-2 | 08/30/07 | | 52.51 | 57.50 | 4.99 | 3,669.89 |
| MW-2 | 09/13/07 | | 52.40 | 58.20 | 5.80 | 3,669.92 |
| MW-2 | 10/09/07 | | 53.11 | 57.17 | 4.06 | 3,669.38 |
| MW-2 | 10/17/07 | | 52.81 | 56.67 | 3.86 | 3,669.70 |
| MW-2 | 10/24/07 | | 52.76 | 57.88 | 5.12 | 3,669.63 |
| MW-2 | 11/02/07 | | 53.01 | 56.52 | 3.51 | 3,669.54 |
| MW-2 | 11/12/07 | | 53.02 | 56.51 | 3.49 | 3,669.53 |
| MW-2 | 12/03/07 | | 52.74 | 57.37 | 4.63 | 3,669.70 |
| MW-2 | 01/03/08 | | 52.80 | 59.21 | 6.41 | 3,669.46 |
| MW-2 | 01/07/08 | | 53.05 | 59.11 | 6.06 | 3,669.24 |
| MW-2 | 01/22/08 | | 52.69 | 59.19 | 6.50 | 3,669.56 |
| MW-2 | 01/29/08 | | 53.08 | 56.87 | 3.79 | 3,669.44 |
| MW-2 | 02/06/08 | | 53.02 | 58.09 | 5.07 | 3,669.37 |
| MW-2 | 02/12/08 | | 53.00 | 58.07 | 5.07 | 3,669.39 |
| MW-2 | 03/13/08 | | 52.89 | 58.58 | 5.69 | 3,669.44 |
| MW-2 | 03/19/08 | | 52.95 | 59.12 | 6.17 | 3,669.33 |
| MW-2 | 03/27/08 | | 53.82 | 55.64 | 1.82 | 3,668.90 |
| MW-2 | 04/01/08 | | 53.31 | 58.17 | 4.86 | 3,669.10 |

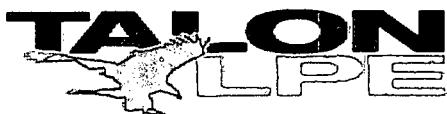


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|--|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-2 | 04/11/08 | | 53.53 | 58.09 | 4.56 | 3,668.91 |
| MW-2 | 04/16/08 | | 54.84 | 55.59 | 0.75 | 3,667.99 |
| MW-2 | 04/30/08 | | 52.95 | 59.29 | 6.34 | 3,669.32 |
| MW-2 | 05/14/08 | | 53.51 | 57.82 | 4.31 | 3,668.96 |
| MW-2 | 06/03/08 | | 54.36 | 54.98 | 0.62 | 3,668.48 |
| MW-2 | 06/10/08 | | 54.49 | 55.20 | 0.71 | 3,668.34 |
| MW-2 | 06/18/08 | | 54.12 | 55.72 | 1.60 | 3,668.62 |
| MW-2 | 07/01/08 | | 54.31 | 56.91 | 2.60 | 3,668.33 |
| MW-2 | 07/02/08 | | 53.92 | 55.16 | 1.24 | 3,668.86 |
| MW-2 | 07/24/08 | | 54.87 | 55.18 | 0.31 | 3,668.00 |
| MW-2 | 08/06/08 | | 54.32 | 57.93 | 3.61 | 3,668.22 |
| MW-2 | 08/28/08 | | 53.57 | 57.82 | 4.25 | 3,668.91 |
| MW-2 | 09/26/08 | | 53.44 | 59.05 | 5.61 | 3,668.90 |
| MW-2 | 10/27/08 | | 53.56 | 59.04 | 5.48 | 3,668.79 |
| MW-2 | 12/02/08 | | 53.51 | 59.60 | 6.09 | 3,668.78 |
| MW-2 | 01/15/09 | | 53.57 | 59.99 | 6.42 | 3,668.69 |
| MW-2 | 02/05/09 | | 53.68 | 60.11 | 6.43 | 3,668.58 |
| MW-2 | 04/06/09 | | 53.87 | 60.48 | 6.61 | 3,668.37 |
| MW-2 | 05/19/09 | 3,723.32 | 53.66 | *61.5 | 7.84 | |
| MW-2 | 07/13/09 | | 53.90 | 59.27 | 5.37 | 3,668.88 |
| MW-2 | 08/27/09 | | 54.02 | 60.21 | 6.19 | 3,668.68 |
| MW-2 | 12/14/09 | | 55.12 | 58.58 | 3.46 | 3,667.63 |
| MW-3 | 01/24/02 | Well Installed 24 January 2002 | | | | |
| MW-3 | 10/04/02 | 3,720.60 | | 49.77 | | 3,670.83 |
| MW-3 | 12/11/02 | | | 49.93 | | 3,670.67 |
| MW-3 | 02/20/03 | | | 50.13 | | 3,670.47 |
| MW-3 | 02/11/04 | | | 50.98 | | 3,669.62 |
| MW-3 | 08/16/04 | | | 51.64 | | 3,668.96 |
| MW-3 | 03/22/05 | | | 51.14 | | 3,669.46 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-3 | 03/31/05 | | | 51.16 | | 3,669.44 |
| MW-3 | 04/22/05 | | | 51.18 | | 3,669.42 |
| MW-3 | 05/12/05 | | | 51.26 | | 3,669.34 |
| MW-3 | 05/25/05 | | | 51.26 | | 3,669.34 |
| MW-3 | 06/28/05 | | | 51.38 | | 3,669.22 |
| MW-3 | 07/25/05 | | | 51.48 | | 3,669.12 |
| MW-3 | 08/22/05 | | | 51.52 | | 3,669.08 |
| MW-3 | 11/14/05 | | | 51.63 | | 3,668.97 |
| MW-3 | 11/30/05 | | | 51.92 | | 3,668.68 |
| MW-3 | 02/06/06 | | | 52.15 | | 3,668.45 |
| MW-3 | 03/01/06 | | | 51.77 | | 3,668.83 |
| MW-3 | 05/02/06 | | | 53.90 | | 3,666.70 |
| MW-3 | 05/25/06 | | | 53.48 | | 3,667.12 |
| MW-3 | 08/10/06 | | | 51.45 | | 3,669.15 |
| MW-3 | 11/29/06 | | | 51.67 | | 3,668.93 |
| MW-3 | 12/06/06 | | | 51.70 | | 3,668.90 |
| MW-3 | 01/10/07 | | | 51.80 | | 3,668.80 |
| MW-3 | 02/08/07 | | | 52.14 | | 3,668.46 |
| MW-3 | 03/01/07 | | | 52.40 | | 3,668.20 |
| MW-3 | 03/06/07 | | | 51.96 | | 3,668.64 |
| MW-3 | 03/14/07 | | | 52.43 | | 3,668.17 |
| MW-3 | 04/02/07 | | | 52.22 | | 3,668.38 |
| MW-3 | 04/09/07 | | | 52.45 | | 3,668.15 |
| MW-3 | 04/16/07 | | | 52.48 | | 3,668.12 |
| MW-3 | 05/01/07 | | | 52.61 | | 3,667.99 |
| MW-3 | 05/21/07 | | | 52.55 | | 3,668.05 |
| MW-3 | 06/13/07 | | | 52.46 | | 3,668.14 |
| MW-3 | 06/26/07 | | | 52.50 | | 3,668.10 |
| MW-3 | 07/18/07 | | | 52.59 | | 3,668.01 |
| MW-3 | 09/13/07 | | | 52.69 | | 3,667.91 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-3 | 10/24/07 | | | 52.80 | | 3,667.80 |
| MW-3 | 12/03/07 | | | 52.89 | | 3,667.71 |
| MW-3 | 01/29/08 | | | 53.03 | | 3,667.57 |
| MW-3 | 03/13/08 | | | 53.10 | | 3,667.50 |
| MW-3 | 05/14/08 | | | 53.23 | | 3,667.37 |
| MW-3 | 06/03/08 | | | 53.27 | | 3,667.33 |
| MW-3 | 06/18/08 | | | 53.37 | | 3,667.23 |
| MW-3 | 07/01/08 | | | 53.33 | | 3,667.27 |
| MW-3 | 07/02/08 | | | 53.41 | | 3,667.19 |
| MW-3 | 08/28/08 | | | 53.47 | | 3,667.13 |
| MW-3 | 09/26/08 | | | 53.58 | | 3,667.02 |
| MW-3 | 10/27/08 | | | 53.62 | | 3,666.98 |
| MW-3 | 12/02/08 | | | 53.74 | | 3,666.86 |
| MW-3 | 01/15/09 | | | 53.85 | | 3,666.75 |
| MW-3 | 02/05/09 | | | 53.89 | | 3,666.71 |
| MW-3 | 04/06/09 | | | 54.03 | | 3,666.57 |
| MW-3 | 05/19/09 | 3,721.52 | | 54.15 | | 3,667.37 |
| MW-3 | 08/27/09 | | | 54.45 | | 3,667.07 |
| MW-3 | 12/14/09 | | | 54.66 | | 3,666.86 |
| MW-4 | 01/24/02 | Well Installed 24 January 2002 | | | | |
| MW-4 | 10/04/02 | 3,721.03 | | 49.35 | | 3,671.68 |
| MW-4 | 12/11/02 | | | 49.50 | | 3,671.53 |
| MW-4 | 02/20/03 | | | 49.69 | | 3,671.34 |
| MW-4 | 02/11/04 | | | 50.51 | | 3,670.52 |
| MW-4 | 08/16/04 | | | 50.91 | | 3,670.12 |
| MW-4 | 03/22/05 | | | 50.67 | | 3,670.36 |
| MW-4 | 03/31/05 | | | 50.70 | | 3,670.33 |
| MW-4 | 04/22/05 | | | 50.71 | | 3,670.32 |
| MW-4 | 05/12/05 | | | 50.80 | | 3,670.23 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative |
|---------------|-------------|---------------------|--------------|----------------|---------------|--------------------|
| | | Casing Elevation | | | | |
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-4 | 05/25/05 | | | 50.80 | | 3,670.23 |
| MW-4 | 06/28/05 | | | 50.92 | | 3,670.11 |
| MW-4 | 07/25/05 | | | 51.02 | | 3,670.01 |
| MW-4 | 08/22/05 | | | 51.06 | | 3,669.97 |
| MW-4 | 11/14/05 | | | 51.15 | | 3,669.88 |
| MW-4 | 11/30/05 | | | 51.43 | | 3,669.60 |
| MW-4 | 02/06/06 | | | 51.68 | | 3,669.35 |
| MW-4 | 03/01/06 | | | 51.21 | | 3,669.82 |
| MW-4 | 05/02/06 | | | 51.88 | | 3,669.15 |
| MW-4 | 05/25/06 | | | 50.17 | | 3,670.86 |
| MW-4 | 08/10/06 | | | 51.96 | | 3,669.07 |
| MW-4 | 11/29/06 | | | 52.16 | | 3,668.87 |
| MW-4 | 12/06/06 | | | 52.19 | | 3,668.84 |
| MW-4 | 01/10/07 | | | 52.27 | | 3,668.76 |
| MW-4 | 02/08/07 | | | 51.65 | | 3,669.38 |
| MW-4 | 03/01/07 | | | 51.97 | | 3,669.06 |
| MW-4 | 03/06/07 | | | 52.45 | | 3,668.58 |
| MW-4 | 03/14/07 | | | 51.93 | | 3,669.10 |
| MW-4 | 04/02/07 | | | 51.73 | | 3,669.30 |
| MW-4 | 04/09/07 | | | 51.95 | | 3,669.08 |
| MW-4 | 04/16/07 | | | 51.46 | | 3,669.57 |
| MW-4 | 05/01/07 | | | 52.04 | | 3,668.99 |
| MW-4 | 05/21/07 | | | 52.05 | | 3,668.98 |
| MW-4 | 06/13/07 | | | 51.96 | | 3,669.07 |
| MW-4 | 06/26/07 | | | 51.96 | | 3,669.07 |
| MW-4 | 07/18/07 | | | 52.09 | | 3,668.94 |
| MW-4 | 09/13/07 | | | 52.20 | | 3,668.83 |
| MW-4 | 10/24/07 | | | 52.25 | | 3,668.78 |
| MW-4 | 12/03/07 | | | 52.36 | | 3,668.67 |
| MW-4 | 01/29/08 | | | 52.44 | | 3,668.59 |

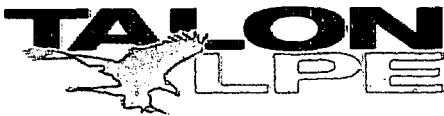


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|-----------------------------|--------------|----------------|---------------|--|
| | | Casing Elevation | | | | |
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-4 | 03/13/08 | | | 52.54 | | 3,668.49 |
| MW-4 | 05/14/08 | | | 52.70 | | 3,668.33 |
| MW-4 | 06/03/08 | | | 52.75 | | 3,668.28 |
| MW-4 | 06/18/08 | | | 52.84 | | 3,668.19 |
| MW-4 | 07/01/08 | | | 52.81 | | 3,668.22 |
| MW-4 | 07/02/08 | | | 52.89 | | 3,668.14 |
| MW-4 | 08/28/08 | | | 52.93 | | 3,668.10 |
| MW-4 | 09/26/08 | | | 53.04 | | 3,667.99 |
| MW-4 | 10/27/08 | | | 53.14 | | 3,667.89 |
| MW-4 | 12/02/08 | | | 53.20 | | 3,667.83 |
| MW-4 | 01/15/09 | | | 53.30 | | 3,667.73 |
| MW-4 | 02/05/09 | | | 53.33 | | 3,667.70 |
| MW-4 | 04/06/09 | | | 53.47 | | 3,667.56 |
| MW-4 | 05/19/09 | 3,721.94 | | 53.58 | | 3,668.36 |
| MW-4 | 8/27/209 | | | 53.89 | | 3,668.05 |
| MW-4 | 12/14/09 | | | 54.09 | | 3,667.85 |
| | | | | | | |
| MW-5 | 07/28/04 | Well Installed 28 July 2004 | | | | |
| MW-5 | 08/16/04 | 3,723.58 | 51.65 | 59.86 | 8.21 | 3,671.11 |
| MW-5 | 10/21/04 | | 51.26 | 58.76 | 7.50 | 3,671.57 |
| MW-5 | 03/22/05 | | 51.46 | 59.00 | 7.54 | 3,671.37 |
| MW-5 | 03/31/05 | | 51.46 | 59.00 | 7.54 | 3,671.37 |
| MW-5 | 04/22/05 | | 52.62 | 55.95 | 3.33 | 3,670.63 |
| MW-5 | 05/25/05 | | 52.18 | 56.23 | 4.05 | 3,671.00 |
| MW-5 | 07/25/05 | | 52.06 | 57.97 | 5.91 | 3,670.93 |
| MW-5 | 11/30/05 | | 52.17 | 60.20 | 8.03 | 3,670.61 |
| MW-5 | 02/06/06 | | 52.44 | 60.51 | 8.07 | 3,670.33 |
| MW-5 | 03/01/06 | | 52.45 | 60.53 | 8.08 | 3,670.32 |
| MW-5 | 05/02/06 | | 52.68 | 59.94 | 7.26 | 3,670.17 |
| MW-5 | 05/25/06 | | 52.30 | 59.89 | 7.59 | 3,670.52 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | | | | |
| MW-5 | 08/10/06 | | 52.33 | 60.28 | 7.95 | 3,670.46 |
| MW-5 | 11/29/06 | | 52.45 | 60.24 | 7.79 | 3,670.35 |
| MW-5 | 12/06/06 | | 52.44 | 60.19 | 7.75 | 3,670.37 |
| MW-5 | 01/10/07 | | 52.48 | 58.87 | 6.39 | 3,670.46 |
| MW-5 | 03/01/07 | | 52.75 | 60.48 | 7.73 | 3,670.06 |
| MW-5 | 03/06/07 | | 52.70 | 60.48 | 7.78 | 3,670.10 |
| MW-5 | 03/14/07 | | 51.85 | 61.25 | 9.40 | 3,670.79 |
| MW-5 | 04/02/07 | | 52.70 | 60.55 | 7.85 | 3,670.10 |
| MW-5 | 04/09/07 | | 52.74 | 60.50 | 7.76 | 3,670.06 |
| MW-5 | 04/16/07 | | 52.74 | 60.55 | 7.81 | 3,670.06 |
| MW-5 | 05/01/07 | | 52.81 | 60.49 | 7.68 | 3,670.00 |
| MW-5 | 05/21/07 | | 52.85 | 60.57 | 7.72 | 3,669.96 |
| MW-5 | 06/26/07 | | 53.90 | 55.68 | 1.78 | 3,669.50 |
| MW-5 | 06/28/07 | | 54.07 | 54.71 | 0.64 | 3,669.45 |
| MW-5 | 07/18/07 | | 53.80 | 56.97 | 3.17 | 3,669.46 |
| MW-5 | 08/21/07 | | 54.19 | 54.47 | 0.28 | 3,669.36 |
| MW-5 | 08/30/07 | | 52.90 | 60.12 | 7.22 | 3,669.96 |
| MW-5 | 09/13/07 | | 53.11 | 58.74 | 5.63 | 3,669.91 |
| MW-5 | 10/09/07 | | 54.39 | 54.79 | 0.40 | 3,669.15 |
| MW-5 | 10/17/07 | | 53.10 | 60.32 | 7.22 | 3,669.76 |
| MW-5 | 10/24/07 | | 54.10 | 55.55 | 1.45 | 3,669.34 |
| MW-5 | 11/02/07 | | 54.38 | 54.71 | 0.33 | 3,669.17 |
| MW-5 | 11/12/07 | | 53.16 | 60.33 | 7.17 | 3,669.70 |
| MW-5 | 12/03/07 | | 53.65 | 58.43 | 4.78 | 3,669.45 |
| MW-5 | 01/03/08 | | 54.64 | 55.57 | 0.93 | 3,668.85 |
| MW-5 | 01/07/08 | | 54.43 | 55.56 | 1.13 | 3,669.04 |
| MW-5 | 01/22/08 | | 54.87 | 58.53 | 3.66 | 3,668.34 |
| MW-5 | 01/29/08 | | 53.89 | 58.47 | 4.58 | 3,669.23 |
| MW-5 | 02/06/08 | | 53.87 | 58.69 | 4.82 | 3,669.23 |
| MW-5 | 02/12/08 | | 53.89 | 58.70 | 4.81 | 3,669.21 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|--|--------------|--------------------------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-5 | 03/13/08 | | 53.94 | 58.77 | 4.83 | 3,669.16 |
| MW-5 | 03/19/08 | | 53.78 | 59.98 | 6.20 | 3,669.18 |
| MW-5 | 03/27/08 | | 54.44 | 57.16 | 2.72 | 3,668.87 |
| MW-5 | 04/01/08 | | 54.11 | 59.06 | 4.95 | 3,668.98 |
| MW-5 | 04/11/08 | | 54.37 | 58.07 | 3.70 | 3,668.84 |
| MW-5 | 04/16/08 | | 54.85 | 55.80 | 0.95 | 3,668.64 |
| MW-5 | 04/30/08 | | 54.37 | 58.16 | 3.79 | 3,668.83 |
| MW-5 | 05/12/08 | | 54.47 | 57.89 | 3.42 | 3,668.77 |
| MW-5 | 06/03/08 | | 53.92 | 61.08 | 7.16 | 3,668.94 |
| MW-5 | 06/10/08 | | 55.92 | 57.66 | 1.74 | 3,667.49 |
| MW-5 | 06/18/08 | | 54.64 | 58.12 | 3.48 | 3,668.59 |
| MW-5 | 07/01/08 | | 54.80 | 59.00 | 4.20 | 3,668.36 |
| MW-5 | 07/02/08 | | 54.35 | 58.15 | 3.80 | 3,668.85 |
| MW-5 | 07/07/08 | | 54.22 | 60.41 | 6.19 | 3,668.74 |
| MW-5 | 07/24/08 | | 55.40 | 57.16 | 1.76 | 3,668.00 |
| MW-5 | 08/06/08 | | 54.93 | 59.62 | 4.69 | 3,668.18 |
| MW-5 | 08/28/08 | | 54.55 | 57.54 | 2.99 | 3,668.73 |
| MW-5 | 09/26/08 | | 54.18 | 60.03 | 5.85 | 3,668.82 |
| MW-5 | 10/27/08 | | 54.41 | 59.34 | 4.93 | 3,668.68 |
| MW-5 | 12/02/08 | | 54.26 | 60.42 | 6.16 | 3,668.70 |
| MW-5 | 01/15/09 | | 54.35 | 60.91 | 6.56 | 3,668.57 |
| MW-5 | 02/05/09 | | 54.38 | 60.96 | 6.58 | 3,668.54 |
| MW-5 | 04/06/09 | | 54.63 | 61.41 | 6.78 | 3,668.27 |
| MW-5 | 05/19/09 | 3,724.08 | 54.44 | 61.60 | 7.16 | 3,668.92 |
| MW-5 | 07/13/09 | | 55.55 | 61.58 | 6.03 | 3,667.93 |
| MW-5 | 08/27/09 | | 54.97 | 60.78 | 5.81 | 3,668.15 |
| MW-5 | 12/14/09 | | 56.24 | 57.64 | 1.40 | 3,667.61 |
| MW-6 | 12/08/04 | | | Well installed 8 December 2004 | | |
| MW-6 | 12/15/04 | 3,721.68 | 49.49 | 56.62 | 7.13 | 3,671.48 |

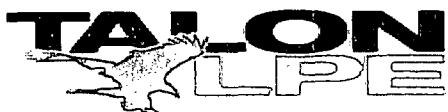


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-6 | 03/22/05 | | 49.55 | 56.86 | 7.31 | 3,671.40 |
| MW-6 | 03/31/05 | | 49.55 | 56.86 | 7.31 | 3,671.40 |
| MW-6 | 04/22/05 | | 50.82 | 51.66 | 0.84 | 3,670.78 |
| MW-6 | 05/25/05 | | 50.61 | 53.11 | 2.50 | 3,670.82 |
| MW-6 | 06/28/05 | | 49.83 | 57.69 | 7.86 | 3,671.06 |
| MW-6 | 07/25/05 | | 50.30 | 55.50 | 5.20 | 3,670.86 |
| MW-6 | 11/30/05 | | 50.33 | 58.35 | 8.02 | 3,670.55 |
| MW-6 | 02/06/06 | | 50.65 | 58.80 | 8.15 | 3,670.22 |
| MW-6 | 03/01/06 | | 50.63 | 58.64 | 8.01 | 3,670.25 |
| MW-6 | 05/02/06 | | 50.82 | 58.10 | 7.28 | 3,670.13 |
| MW-6 | 05/25/06 | | 50.21 | 58.12 | 7.91 | 3,670.68 |
| MW-6 | 08/10/06 | | 50.47 | 59.55 | 9.08 | 3,670.30 |
| MW-6 | 11/29/06 | | 50.63 | 58.33 | 7.70 | 3,670.28 |
| MW-6 | 12/06/06 | | 50.60 | 58.33 | 7.73 | 3,670.31 |
| MW-6 | 01/10/07 | | 50.71 | 57.36 | 6.65 | 3,670.31 |
| MW-6 | 02/08/07 | | 50.71 | 58.38 | 7.67 | 3,670.20 |
| MW-6 | 02/19/07 | | 58.36 | 58.87 | 0.51 | 3,663.27 |
| MW-6 | 03/01/07 | | 50.89 | 58.45 | 7.56 | 3,670.03 |
| MW-6 | 03/06/07 | | 50.86 | 58.58 | 7.72 | 3,670.05 |
| MW-6 | 03/14/07 | | 52.80 | 58.51 | 5.71 | 3,668.31 |
| MW-6 | 04/02/07 | | 50.86 | 58.54 | 7.68 | 3,670.05 |
| MW-6 | 04/09/07 | | 50.87 | 58.56 | 7.69 | 3,670.04 |
| MW-6 | 04/16/07 | | 50.92 | 58.54 | 7.62 | 3,670.00 |
| MW-6 | 05/01/07 | | 50.91 | 58.57 | 7.66 | 3,670.00 |
| MW-6 | 05/21/07 | | 50.96 | 58.62 | 7.66 | 3,669.95 |
| MW-6 | 06/26/07 | | 52.20 | 53.25 | 1.05 | 3,669.38 |
| MW-6 | 06/28/07 | | 52.10 | 53.10 | 1.00 | 3,669.48 |
| MW-6 | 07/18/07 | | 51.89 | 54.61 | 2.72 | 3,669.52 |
| MW-6 | 08/21/07 | | 52.32 | 52.56 | 0.24 | 3,669.34 |
| MW-6 | 08/30/07 | | 51.23 | 57.72 | 6.49 | 3,669.80 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-6 | 09/13/07 | | 51.88 | 54.85 | 2.97 | 3,669.50 |
| MW-6 | 10/09/07 | | 52.45 | 52.65 | 0.20 | 3,669.21 |
| MW-6 | 10/17/07 | | 51.61 | 58.61 | 7.00 | 3,669.37 |
| MW-6 | 10/24/07 | | 51.24 | 58.30 | 7.06 | 3,669.73 |
| MW-6 | 11/02/07 | | 52.04 | 54.86 | 2.82 | 3,669.36 |
| MW-6 | 11/12/07 | | 52.10 | 54.91 | 2.81 | 3,669.30 |
| MW-6 | 12/03/07 | | 51.78 | 56.60 | 4.82 | 3,669.42 |
| MW-6 | 01/03/08 | | 51.94 | 56.64 | 4.70 | 3,669.27 |
| MW-6 | 01/07/08 | | 52.19 | 56.62 | 4.43 | 3,669.05 |
| MW-6 | 01/22/08 | | 51.89 | 57.06 | 5.17 | 3,669.27 |
| MW-6 | 01/29/08 | | 51.92 | 56.70 | 4.78 | 3,669.28 |
| MW-6 | 02/06/08 | | 51.97 | 57.79 | 5.82 | 3,669.13 |
| MW-6 | 02/12/08 | | 51.99 | 57.81 | 5.82 | 3,669.11 |
| MW-6 | 03/13/08 | | 52.09 | 56.82 | 4.73 | 3,669.12 |
| MW-6 | 03/19/08 | | 51.99 | 57.37 | 5.38 | 3,669.15 |
| MW-6 | 03/27/08 | | 52.40 | 55.83 | 3.43 | 3,668.94 |
| MW-6 | 04/01/08 | | 52.39 | 55.93 | 3.54 | 3,668.94 |
| MW-6 | 04/11/08 | | 52.58 | 55.63 | 3.05 | 3,668.80 |
| MW-6 | 04/16/08 | | 53.04 | 53.26 | 0.22 | 3,668.62 |
| MW-6 | 04/30/08 | | 52.79 | 54.57 | 1.78 | 3,668.71 |
| MW-6 | 05/14/08 | | 52.51 | 56.20 | 3.69 | 3,668.80 |
| MW-6 | 05/23/08 | | 53.49 | 53.89 | 0.40 | 3,668.15 |
| MW-6 | 06/03/08 | | 52.52 | 57.19 | 4.67 | 3,668.69 |
| MW-6 | 06/10/08 | | 52.51 | 57.59 | 5.08 | 3,668.66 |
| MW-6 | 06/18/08 | | 52.47 | 57.93 | 5.46 | 3,668.66 |
| MW-6 | 07/01/08 | | 53.01 | 56.07 | 3.06 | 3,668.36 |
| MW-6 | 07/02/08 | | 52.90 | 54.18 | 1.28 | 3,668.65 |
| MW-6 | 07/24/08 | | 53.43 | 55.22 | 1.79 | 3,668.07 |
| MW-6 | 08/06/08 | | 53.20 | 56.80 | 3.60 | 3,668.12 |
| MW-6 | 08/28/08 | | 52.50 | 56.46 | 3.96 | 3,668.78 |

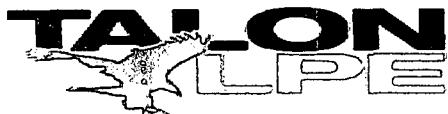


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-6 | 09/26/08 | | 52.37 | 57.67 | 5.30 | 3,668.78 |
| MW-6 | 10/27/08 | | 52.52 | 57.24 | 4.72 | 3,668.69 |
| MW-6 | 12/02/08 | | 52.45 | 58.17 | 5.72 | 3,668.66 |
| MW-6 | 01/15/09 | | 52.51 | 58.50 | 5.99 | 3,668.57 |
| MW-6 | 02/05/09 | | 52.58 | 58.50 | 5.92 | 3,668.51 |
| MW-6 | 04/06/09 | | 52.73 | 58.96 | 6.23 | 3,668.33 |
| MW-6 | 05/19/09 | 3,722.16 | 52.63 | 59.50 | 6.87 | 3,668.84 |
| MW-6 | 07/13/09 | | 52.89 | 59.34 | 6.45 | 3,668.63 |
| MW-6 | 08/27/09 | | 53.09 | 59.10 | 6.01 | 3,668.08 |
| MW-6 | 12/14/09 | | 54.12 | 56.84 | 2.72 | 3,667.59 |
| | | | | | | |
| MW-7 | 07/28/04 | Well Installed 28 July 2004 | | | | |
| MW-7 | 08/16/04 | 3,722.74 | 52.14 | 52.70 | 0.56 | 3,670.54 |
| MW-7 | 10/21/04 | | 51.00 | 55.23 | 4.23 | 3,671.32 |
| MW-7 | 03/22/05 | | 50.78 | 57.48 | 6.70 | 3,671.29 |
| MW-7 | 03/31/05 | | 50.78 | 57.48 | 6.70 | 3,671.29 |
| MW-7 | 04/22/05 | | 51.92 | 57.31 | 5.39 | 3,670.28 |
| MW-7 | 05/25/05 | | 51.78 | 53.44 | 1.66 | 3,670.79 |
| MW-7 | 06/28/05 | | 51.53 | 55.39 | 3.86 | 3,670.82 |
| MW-7 | 07/25/05 | | 52.07 | 53.35 | 1.28 | 3,670.54 |
| MW-7 | 11/30/05 | | 51.50 | 58.48 | 6.98 | 3,670.54 |
| MW-7 | 02/06/06 | | 51.75 | 58.71 | 6.96 | 3,670.29 |
| MW-7 | 03/01/06 | | 52.10 | 57.31 | 5.21 | 3,670.12 |
| MW-7 | 05/02/06 | | 52.35 | 56.91 | 4.56 | 3,669.93 |
| MW-7 | 05/25/06 | | 52.79 | 58.60 | 5.81 | 3,669.37 |
| MW-7 | 08/10/06 | | 51.56 | 58.61 | 7.05 | 3,670.48 |
| MW-7 | 11/29/06 | | 51.76 | 58.86 | 7.10 | 3,670.27 |
| MW-7 | 12/06/06 | | 51.78 | 58.91 | 7.13 | 3,670.25 |
| MW-7 | 01/10/07 | | 51.86 | 56.96 | 5.10 | 3,670.37 |
| MW-7 | 02/08/07 | | 51.92 | 58.85 | 6.93 | 3,670.13 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|--|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | | feet amsl |
| MW-7 | 02/19/07 | | 52.35 | 56.42 | 4.07 | 3,669.98 |
| MW-7 | 03/01/07 | | 52.21 | 58.13 | 5.92 | 3,669.94 |
| MW-7 | 03/06/07 | | 52.14 | 58.56 | 6.42 | 3,669.96 |
| MW-7 | 03/14/07 | | 52.07 | 58.86 | 6.79 | 3,669.99 |
| MW-7 | 04/02/07 | | 52.03 | 59.06 | 7.03 | 3,670.01 |
| MW-7 | 04/09/07 | | 52.09 | 59.11 | 7.02 | 3,669.95 |
| MW-7 | 04/16/07 | | 52.08 | 59.16 | 7.08 | 3,669.95 |
| MW-7 | 05/01/07 | | 52.16 | 58.82 | 6.66 | 3,669.91 |
| MW-7 | 05/21/07 | | 52.14 | 59.11 | 6.97 | 3,669.90 |
| MW-7 | 06/26/07 | | 52.20 | 58.98 | 6.78 | 3,669.86 |
| MW-7 | 06/28/07 | | 52.20 | 58.73 | 6.53 | 3,669.89 |
| MW-7 | 07/18/07 | | 52.24 | 58.77 | 6.53 | 3,669.85 |
| MW-7 | 08/21/07 | | 52.30 | 58.79 | 6.49 | 3,669.79 |
| MW-7 | 08/30/07 | | 52.30 | 58.83 | 6.53 | 3,669.79 |
| MW-7 | 09/13/07 | | 52.35 | 58.89 | 6.54 | 3,669.74 |
| MW-7 | 10/09/07 | | 52.37 | 58.96 | 6.59 | 3,669.71 |
| MW-7 | 10/17/07 | | 52.40 | 59.02 | 6.62 | 3,669.68 |
| MW-7 | 10/24/07 | | 52.39 | 58.98 | 6.59 | 3,669.69 |
| MW-7 | 11/02/07 | | 52.47 | 59.05 | 6.58 | 3,669.61 |
| MW-7 | 11/12/07 | | 52.49 | 57.99 | 5.50 | 3,669.70 |
| MW-7 | 12/03/07 | | 52.57 | 59.12 | 6.55 | 3,669.52 |
| MW-7 | 01/03/08 | | 52.39 | 59.12 | 6.73 | 3,669.68 |
| MW-7 | 01/07/08 | | 52.57 | 59.08 | 6.51 | 3,669.52 |
| MW-7 | 01/22/08 | | 52.71 | 59.09 | 6.38 | 3,669.39 |
| MW-7 | 01/29/08 | | 52.74 | 59.21 | 6.47 | 3,669.35 |
| MW-7 | 02/06/08 | | 52.77 | 59.13 | 6.36 | 3,669.33 |
| MW-7 | 02/12/08 | | 52.75 | 59.10 | 6.35 | 3,669.36 |
| MW-7 | 03/13/08 | | 52.86 | 59.79 | 6.93 | 3,669.19 |
| MW-7 | 03/19/08 | | 52.88 | 59.26 | 6.38 | 3,669.22 |
| MW-7 | 03/27/08 | | 52.96 | 59.29 | 6.33 | 3,669.15 |

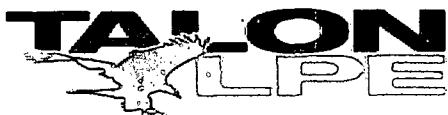


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-7 | 04/01/08 | | 52.93 | 59.53 | 6.40 | 3,668.97 |
| MW-7 | 04/11/08 | | 53.01 | 59.39 | 6.38 | 3,669.09 |
| MW-7 | 04/16/08 | | 53.02 | 59.41 | 6.39 | 3,669.08 |
| MW-7 | 04/30/08 | | 53.05 | 59.46 | 6.41 | 3,669.05 |
| MW-7 | 05/14/08 | | 53.12 | 59.43 | 6.31 | 3,668.99 |
| MW-7 | 05/23/08 | | 53.31 | 59.61 | 6.30 | 3,668.80 |
| MW-7 | 06/03/08 | | 53.29 | 59.53 | 6.24 | 3,668.83 |
| MW-7 | 06/10/08 | | 53.33 | 59.58 | 6.25 | 3,668.79 |
| MW-7 | 06/18/08 | | 54.16 | 55.95 | 1.79 | 3,668.40 |
| MW-7 | 07/01/08 | | 54.28 | 55.76 | 1.48 | 3,668.31 |
| MW-7 | 07/02/08 | | 53.90 | 55.50 | 1.60 | 3,668.68 |
| MW-7 | 07/24/08 | | 54.59 | 55.36 | 0.77 | 3,668.07 |
| MW-7 | 08/06/08 | | 54.71 | 55.54 | 0.83 | 3,667.95 |
| MW-7 | 08/28/08 | | 54.01 | 55.30 | 1.29 | 3,668.60 |
| MW-7 | 09/26/08 | | 53.51 | 58.01 | 4.50 | 3,668.78 |
| MW-7 | 10/27/08 | | 54.05 | 56.02 | 1.97 | 3,668.49 |
| MW-7 | 12/02/08 | | 53.96 | 57.00 | 3.04 | 3,668.48 |
| MW-7 | 01/15/09 | | 53.72 | 58.71 | 4.99 | 3,668.52 |
| MW-7 | 02/05/09 | | 53.82 | 58.51 | 4.69 | 3,668.45 |
| MW-7 | 04/06/09 | | 53.82 | 59.41 | 5.59 | 3,668.36 |
| MW-7 | 05/19/09 | 3,723.23 | 54.02 | 59.04 | 5.02 | 3,668.71 |
| MW-7 | 07/13/09 | | 54.20 | 59.21 | 5.01 | 3,668.53 |
| MW-7 | 08/27/09 | | 54.70 | 57.46 | 2.76 | 3,668.07 |
| MW-7 | 12/14/09 | | 55.61 | 55.85 | 0.24 | 3,667.58 |
| MW-8 | 07/30/04 | Well Installed 30 July 2004 | | | | |
| MW-8 | 08/16/04 | 3,722.85 | 53.96 | 54.41 | 0.45 | 3,668.85 |
| MW-8 | 10/21/04 | | 51.15 | 54.38 | 3.23 | 3,671.38 |
| MW-8 | 03/22/05 | | 50.78 | 57.15 | 6.37 | 3,671.43 |
| MW-8 | 03/31/05 | | 50.78 | 57.15 | 6.37 | 3,671.43 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-8 | 04/22/05 | | 51.90 | 57.08 | 5.18 | 3,670.43 |
| MW-8 | 05/25/05 | | 51.99 | 52.15 | 0.16 | 3,670.84 |
| MW-8 | 06/28/05 | | 50.04 | 57.31 | 7.27 | 3,672.08 |
| MW-8 | 07/25/05 | | 51.82 | 54.14 | 2.32 | 3,670.80 |
| MW-8 | 11/30/05 | | 51.47 | 58.47 | 7.00 | 3,670.68 |
| MW-8 | 02/06/06 | | 51.75 | 57.80 | 6.05 | 3,670.50 |
| MW-8 | 03/01/06 | | 51.91 | 57.90 | 5.99 | 3,670.34 |
| MW-8 | 05/02/06 | | 52.26 | 56.95 | 4.69 | 3,670.12 |
| MW-8 | 05/25/06 | | 51.47 | 57.61 | 6.14 | 3,670.77 |
| MW-8 | 08/10/06 | | 52.28 | 54.69 | 2.41 | 3,670.33 |
| MW-8 | 11/29/06 | | 51.98 | 57.22 | 5.24 | 3,670.35 |
| MW-8 | 12/06/06 | | 52.48 | 55.71 | 3.23 | 3,670.05 |
| MW-8 | 01/10/07 | | 51.84 | 57.01 | 5.17 | 3,670.49 |
| MW-8 | 02/08/07 | | 52.10 | 58.61 | 6.51 | 3,670.10 |
| MW-8 | 02/19/07 | | 52.48 | 56.67 | 4.19 | 3,669.95 |
| MW-8 | 03/01/07 | | 52.25 | 57.13 | 4.88 | 3,670.11 |
| MW-8 | 03/06/07 | | 52.17 | 57.92 | 5.75 | 3,670.11 |
| MW-8 | 03/14/07 | | 52.06 | 58.21 | 6.15 | 3,670.18 |
| MW-8 | 04/02/07 | | 52.07 | 58.42 | 6.35 | 3,670.15 |
| MW-8 | 04/09/07 | | 52.08 | 58.49 | 6.41 | 3,670.13 |
| MW-8 | 04/16/07 | | 52.11 | 58.54 | 6.43 | 3,670.10 |
| MW-8 | 05/01/07 | | 52.17 | 58.40 | 6.23 | 3,670.06 |
| MW-8 | 05/21/07 | | 52.19 | 58.51 | 6.32 | 3,670.03 |
| MW-8 | 06/26/07 | | 53.10 | 54.80 | 1.70 | 3,669.58 |
| MW-8 | 06/28/07 | | 53.09 | 54.52 | 1.43 | 3,669.62 |
| MW-8 | 07/18/07 | | 52.52 | 57.55 | 5.03 | 3,669.83 |
| MW-8 | 08/21/07 | | 52.96 | 55.52 | 2.56 | 3,669.63 |
| MW-8 | 08/30/07 | | 53.20 | 55.17 | 1.97 | 3,669.45 |
| MW-8 | 09/13/07 | | 52.90 | 55.67 | 2.77 | 3,669.67 |
| MW-8 | 10/09/07 | | 52.41 | 57.00 | 4.59 | 3,669.98 |

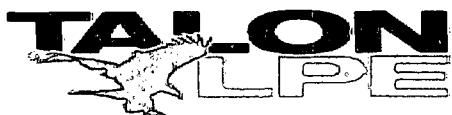


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|--|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-8 | 10/17/07 | | 52.80 | 56.87 | 4.07 | 3,669.64 |
| MW-8 | 10/24/07 | | 52.78 | 57.10 | 4.32 | 3,669.64 |
| MW-8 | 11/02/07 | | 53.52 | 53.71 | 0.19 | 3,669.31 |
| MW-8 | 12/03/07 | | 52.61 | 58.39 | 5.78 | 3,669.66 |
| MW-8 | 01/03/08 | | 53.70 | 53.89 | 0.19 | 3,669.13 |
| MW-8 | 01/07/08 | | 53.61 | 53.91 | 0.30 | 3,669.21 |
| MW-8 | 01/22/08 | | 53.70 | 54.19 | 0.49 | 3,669.10 |
| MW-8 | 01/29/08 | | 53.21 | 56.43 | 3.22 | 3,669.32 |
| MW-8 | 02/06/08 | | 53.06 | 56.79 | 3.73 | 3,669.42 |
| MW-8 | 02/12/08 | | 53.03 | 56.82 | 3.79 | 3,669.44 |
| MW-8 | 03/13/08 | | 52.69 | 54.80 | 2.11 | 3,669.95 |
| MW-8 | 03/19/08 | | 53.54 | 55.73 | 2.19 | 3,669.09 |
| MW-8 | 03/27/08 | | 53.92 | 54.45 | 0.53 | 3,668.88 |
| MW-8 | 04/01/08 | | 53.57 | 56.94 | 3.37 | 3,668.94 |
| MW-8 | 04/11/08 | | 54.23 | 55.48 | 1.25 | 3,668.50 |
| MW-8 | 04/16/08 | | 54.01 | 54.20 | 0.19 | 3,668.82 |
| MW-8 | 04/30/08 | | 54.04 | 54.28 | 0.24 | 3,668.79 |
| MW-8 | 05/14/08 | | 53.52 | 57.24 | 3.72 | 3,668.96 |
| MW-8 | 05/23/08 | | 54.37 | 54.59 | 0.22 | 3,668.46 |
| MW-8 | 06/03/08 | | 54.28 | 54.49 | 0.21 | 3,668.55 |
| MW-8 | 06/10/08 | | 54.37 | 54.54 | 0.17 | 3,668.46 |
| MW-8 | 06/18/08 | | 54.31 | 54.68 | 0.37 | 3,668.50 |
| MW-8 | 07/01/08 | | 54.53 | 54.68 | 0.15 | 3,668.31 |
| MW-8 | 07/02/08 | | 53.98 | 54.56 | 0.58 | 3,668.81 |
| MW-8 | 07/24/08 | | 54.50 | 55.85 | 1.35 | 3,668.22 |
| MW-8 | 08/06/08 | | 54.71 | 55.05 | 0.34 | 3,668.11 |
| MW-8 | 08/28/08 | | 54.13 | 54.39 | 0.26 | 3,668.69 |
| MW-8 | 09/26/08 | | 53.77 | 58.45 | 4.68 | 3,668.61 |
| MW-8 | 10/27/08 | | 54.14 | 55.22 | 1.08 | 3,668.60 |
| MW-8 | 12/02/08 | | 53.61 | 58.24 | 4.63 | 3,668.78 |

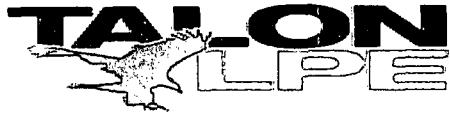


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-8 | 01/15/09 | | 53.63 | 58.75 | 5.12 | 3,668.71 |
| MW-8 | 02/05/09 | | 53.69 | 58.87 | 5.18 | 3,668.64 |
| MW-8 | 04/06/09 | | 53.91 | 59.18 | 5.27 | 3,668.41 |
| MW-8 | 05/19/09 | 3,723.41 | 53.82 | 59.54 | 5.72 | 3,669.02 |
| MW-8 | 07/13/09 | | 54.29 | 58.90 | 4.61 | 3,668.66 |
| MW-8 | 08/27/09 | | 54.75 | 56.79 | 2.04 | 3,668.32 |
| MW-8 | 12/14/09 | | 55.52 | 55.74 | 0.22 | 3,667.85 |
| MW-9 | 07/30/04 | Well Installed 30 July 2004 | | | | |
| MW-9 | 08/16/04 | 3,722.80 | 53.92 | 54.65 | 0.73 | 3,668.81 |
| MW-9 | 10/21/04 | | 50.95 | 53.99 | 3.04 | 3,671.55 |
| MW-9 | 03/22/05 | | 51.04 | 54.53 | 3.49 | 3,671.41 |
| MW-9 | 03/31/05 | | 51.04 | 54.53 | 3.49 | 3,671.41 |
| MW-9 | 04/22/05 | | 51.71 | 51.77 | 0.06 | 3,671.08 |
| MW-9 | 05/25/05 | | 51.70 | 52.22 | 0.52 | 3,671.05 |
| MW-9 | 06/28/05 | | 50.95 | 55.84 | 4.89 | 3,671.36 |
| MW-9 | 07/25/05 | | 51.74 | 52.89 | 1.15 | 3,670.95 |
| MW-9 | 11/30/05 | | 51.24 | 57.92 | 6.68 | 3,670.89 |
| MW-9 | 02/06/06 | | 51.47 | 58.25 | 6.78 | 3,670.65 |
| MW-9 | 03/01/06 | | 51.99 | 56.32 | 4.33 | 3,670.38 |
| MW-9 | 05/02/06 | | 52.12 | 56.23 | 4.11 | 3,670.27 |
| MW-9 | 05/25/06 | | 51.42 | 55.99 | 4.57 | 3,670.92 |
| MW-9 | 08/10/06 | | 51.41 | 58.20 | 6.79 | 3,670.71 |
| MW-9 | 11/29/06 | | 51.56 | 58.24 | 6.68 | 3,670.57 |
| MW-9 | 12/06/06 | | 51.61 | 58.30 | 6.69 | 3,670.52 |
| MW-9 | 01/10/07 | | 51.63 | 57.17 | 5.54 | 3,670.62 |
| MW-9 | 02/08/07 | | 51.72 | 58.31 | 6.59 | 3,670.42 |
| MW-9 | 02/19/07 | | 52.31 | 56.42 | 4.11 | 3,670.08 |
| MW-9 | 03/01/07 | | 51.95 | 57.59 | 5.64 | 3,670.29 |
| MW-9 | 03/06/07 | | 51.89 | 58.01 | 6.12 | 3,670.30 |

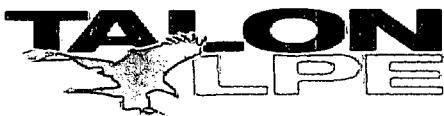


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-9 | 03/14/07 | | 51.82 | 58.24 | 6.42 | 3,670.34 |
| MW-9 | 04/02/07 | | 51.81 | 58.33 | 6.52 | 3,670.34 |
| MW-9 | 04/09/07 | | 51.88 | 58.40 | 6.52 | 3,670.27 |
| MW-9 | 04/16/07 | | 51.88 | 58.45 | 6.57 | 3,670.26 |
| MW-9 | 05/01/07 | | 51.93 | 58.09 | 6.16 | 3,670.25 |
| MW-9 | 05/21/07 | | 51.98 | 58.45 | 6.47 | 3,670.17 |
| MW-9 | 06/26/07 | | 52.04 | 58.52 | 6.48 | 3,670.11 |
| MW-9 | 06/28/07 | | 52.04 | 58.50 | 6.46 | 3,670.11 |
| MW-9 | 07/18/07 | | 51.93 | 58.41 | 6.48 | 3,670.22 |
| MW-9 | 08/21/07 | | 52.03 | 58.50 | 6.47 | 3,670.12 |
| MW-9 | 08/30/07 | | 53.15 | 53.45 | 0.30 | 3,669.62 |
| MW-9 | 09/13/07 | | 52.24 | 57.67 | 5.43 | 3,670.02 |
| MW-9 | 10/09/07 | | 52.15 | 58.48 | 6.33 | 3,670.02 |
| MW-9 | 10/17/07 | | 53.31 | 58.52 | 5.21 | 3,668.97 |
| MW-9 | 11/02/07 | | 52.38 | 57.82 | 5.44 | 3,669.88 |
| MW-9 | 11/12/07 | | 53.39 | 53.55 | 0.16 | 3,669.39 |
| MW-9 | 12/03/07 | | 52.42 | 58.14 | 5.72 | 3,669.81 |
| MW-9 | 01/03/08 | | 52.38 | 58.59 | 6.21 | 3,669.80 |
| MW-9 | 01/07/08 | | 52.47 | 58.56 | 6.09 | 3,669.72 |
| MW-9 | 01/22/08 | | 52.86 | 56.67 | 3.81 | 3,669.56 |
| MW-9 | 01/29/08 | | 52.71 | 57.84 | 5.13 | 3,669.58 |
| MW-9 | 02/06/08 | | 52.54 | 58.38 | 5.84 | 3,669.68 |
| MW-9 | 02/12/08 | | 52.56 | 58.41 | 5.85 | 3,669.66 |
| MW-9 | 03/13/08 | | 52.66 | 58.83 | 6.17 | 3,669.52 |
| MW-9 | 03/19/08 | | 52.57 | 58.78 | 6.21 | 3,669.61 |
| MW-9 | 03/27/08 | | 52.64 | 58.87 | 6.23 | 3,669.54 |
| MW-9 | 04/01/08 | | 52.66 | 58.83 | 6.17 | 3,669.52 |
| MW-9 | 04/11/08 | | 52.74 | 58.39 | 5.65 | 3,669.50 |
| MW-9 | 04/16/08 | | 53.73 | 58.96 | 5.23 | 3,668.55 |
| MW-9 | 05/14/08 | | 52.82 | 59.04 | 6.22 | 3,669.36 |

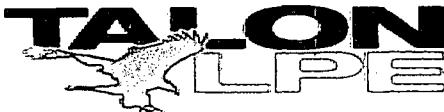


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-9 | 06/03/08 | | 54.09 | 54.99 | 0.90 | 3,668.62 |
| MW-9 | 06/10/08 | | 53.50 | 59.81 | 6.31 | 3,668.67 |
| MW-9 | 06/18/08 | | 53.29 | 58.17 | 4.88 | 3,669.02 |
| MW-9 | 07/01/08 | | 53.20 | 59.06 | 5.86 | 3,669.01 |
| MW-9 | 07/02/08 | | 53.75 | 58.94 | 5.19 | 3,668.53 |
| MW-9 | 07/07/08 | | 53.26 | 59.25 | 5.99 | 3,668.94 |
| MW-9 | 07/24/08 | | 53.36 | 59.48 | 6.12 | 3,668.83 |
| MW-9 | 08/06/08 | | 54.43 | 55.08 | 0.65 | 3,668.31 |
| MW-9 | 08/28/08 | | 53.43 | 56.83 | 3.40 | 3,669.03 |
| MW-9 | 09/26/08 | | 54.01 | 54.76 | 0.75 | 3,668.72 |
| MW-9 | 10/27/08 | | 54.03 | 55.01 | 0.98 | 3,668.67 |
| MW-9 | 12/02/08 | | 53.89 | 55.93 | 2.04 | 3,668.71 |
| MW-9 | 01/15/09 | | 53.96 | 56.27 | 2.31 | 3,668.61 |
| MW-9 | 02/05/09 | | 54.03 | 56.42 | 2.39 | 3,668.53 |
| MW-9 | 04/06/09 | | 53.87 | 58.72 | 4.85 | 3,668.45 |
| MW-9 | 05/19/09 | 3,723.25 | 54.24 | 56.28 | 2.04 | 3,668.81 |
| MW-9 | 07/13/09 | | 54.35 | 56.80 | 2.45 | 3,668.66 |
| MW-9 | 08/27/09 | | 54.74 | 55.65 | 0.91 | 3,668.36 |
| MW-9 | 12/14/09 | | 55.32 | 55.50 | 0.18 | 3,667.90 |
| MW-10 | 12/07/04 | Well installed 7 December 2004 | | | | |
| MW-10 | 12/15/04 | 3,723.62 | | 52.17 | | 3,671.45 |
| MW-10 | 03/22/05 | | | 52.28 | | 3,671.34 |
| MW-10 | 03/31/05 | | | 52.31 | | 3,671.31 |
| MW-10 | 04/22/05 | | | 52.36 | | 3,671.26 |
| MW-10 | 05/12/05 | | | 52.41 | | 3,671.21 |
| MW-10 | 05/25/05 | | | 52.42 | | 3,671.20 |
| MW-10 | 06/28/05 | | | 52.52 | | 3,671.10 |
| MW-10 | 07/25/05 | | | 52.61 | | 3,671.01 |
| MW-10 | 08/22/05 | | | 52.67 | | 3,670.95 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|---------------------|--------------|----------------|---------------|--|
| | | Casing Elevation | | | | |
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-10 | 11/14/05 | | | 52.76 | | 3,670.86 |
| MW-10 | 11/30/05 | | | 53.05 | | 3,670.57 |
| MW-10 | 02/06/06 | | | 53.29 | | 3,670.33 |
| MW-10 | 03/01/06 | | | 53.85 | | 3,669.77 |
| MW-10 | 05/02/06 | | | 53.47 | | 3,670.15 |
| MW-10 | 05/25/06 | | | 53.08 | | 3,670.54 |
| MW-10 | 08/10/06 | | | 53.07 | | 3,670.55 |
| MW-10 | 11/29/06 | | | 53.29 | | 3,670.33 |
| MW-10 | 12/06/06 | | | 53.32 | | 3,670.30 |
| MW-10 | 01/10/07 | | | 53.38 | | 3,670.24 |
| MW-10 | 02/08/07 | | | 53.24 | | 3,670.38 |
| MW-10 | 03/01/07 | | | 53.73 | | 3,669.89 |
| MW-10 | 03/06/07 | | | 53.51 | | 3,670.11 |
| MW-10 | 03/14/07 | | | 53.52 | | 3,670.10 |
| MW-10 | 04/02/07 | | | 53.35 | | 3,670.27 |
| MW-10 | 04/09/07 | | | 53.57 | | 3,670.05 |
| MW-10 | 04/16/07 | | | 53.58 | | 3,670.04 |
| MW-10 | 05/01/07 | | | 53.63 | | 3,669.99 |
| MW-10 | 05/21/07 | | | 53.65 | | 3,669.97 |
| MW-10 | 06/13/07 | | | 53.57 | | 3,670.05 |
| MW-10 | 06/26/07 | | | 53.60 | | 3,670.02 |
| MW-10 | 07/18/07 | | | 53.69 | | 3,669.93 |
| MW-10 | 09/13/07 | | | 53.79 | | 3,669.83 |
| MW-10 | 10/24/07 | | | 53.86 | | 3,669.76 |
| MW-10 | 12/03/07 | | | 53.98 | | 3,669.64 |
| MW-10 | 01/29/08 | | | 54.06 | | 3,669.56 |
| MW-10 | 03/13/08 | | | 54.18 | | 3,669.44 |
| MW-10 | 05/14/08 | | | 54.28 | | 3,669.34 |
| MW-10 | 06/03/08 | | | 54.31 | | 3,669.31 |
| MW-10 | 06/18/08 | | | 54.43 | | 3,669.19 |

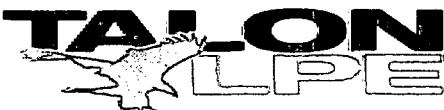


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-10 | 07/01/08 | | | 54.38 | | 3,669.24 |
| MW-10 | 07/02/08 | | | 54.47 | | 3,669.15 |
| MW-10 | 08/28/08 | | | 54.54 | | 3,669.08 |
| MW-10 | 09/26/08 | | | 54.63 | | 3,668.99 |
| MW-10 | 10/27/08 | | | 54.70 | | 3,668.92 |
| MW-10 | 12/02/08 | | | 54.77 | | 3,668.85 |
| MW-10 | 01/15/09 | | | 54.88 | | 3,668.74 |
| MW-10 | 02/05/09 | | | 54.92 | | 3,668.70 |
| MW-10 | 04/06/09 | | | 55.06 | | 3,668.56 |
| MW-10 | 05/19/09 | 3,724.14 | | 55.16 | | 3,668.98 |
| MW-10 | 08/27/09 | | | 55.47 | | 3,668.67 |
| MW-10 | 12/14/09 | | | 55.65 | | 3,668.49 |
| | | | | | | |
| MW-11 | 12/07/04 | Well installed 7 December 2004 | | | | |
| MW-11 | 12/15/04 | 3,722.03 | 50.49 | 55.54 | 5.05 | 3,671.04 |
| MW-11 | 03/22/05 | | 50.33 | 56.71 | 6.38 | 3,671.06 |
| MW-11 | 03/31/05 | | 50.33 | 56.71 | 6.38 | 3,671.06 |
| MW-11 | 04/22/05 | | 50.34 | 56.95 | 6.61 | 3,671.03 |
| MW-11 | 05/25/05 | | 51.34 | 53.06 | 1.72 | 3,670.52 |
| MW-11 | 06/28/05 | | 50.67 | 57.07 | 6.40 | 3,670.72 |
| MW-11 | 07/25/05 | | 51.06 | 55.54 | 4.48 | 3,670.52 |
| MW-11 | 11/30/05 | | 51.11 | 57.79 | 6.68 | 3,670.25 |
| MW-11 | 02/03/06 | | 51.35 | 58.06 | 6.71 | 3,670.01 |
| MW-11 | 03/01/06 | | 51.39 | 58.16 | 6.77 | 3,669.96 |
| MW-11 | 05/02/06 | | 51.54 | 58.25 | 6.71 | 3,669.82 |
| MW-11 | 05/25/06 | | 51.12 | 57.97 | 6.85 | 3,670.23 |
| MW-11 | 08/10/06 | | 51.10 | 57.97 | 6.87 | 3,670.24 |
| MW-11 | 11/29/06 | | 51.32 | 58.24 | 6.92 | 3,670.02 |
| MW-11 | 12/06/06 | | 52.33 | 53.48 | 1.15 | 3,669.59 |
| MW-11 | 01/10/07 | | 51.37 | 57.98 | 6.61 | 3,670.00 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|--|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-11 | 02/08/07 | | 51.47 | 58.49 | 7.02 | 3,669.86 |
| MW-11 | 02/19/07 | | 51.57 | 58.38 | 6.81 | 3,669.78 |
| MW-11 | 03/01/07 | | 51.61 | 58.38 | 6.77 | 3,669.74 |
| MW-11 | 03/06/07 | | 51.57 | 58.39 | 6.82 | 3,669.78 |
| MW-11 | 03/14/07 | | 51.57 | 58.34 | 6.77 | 3,669.78 |
| MW-11 | 04/02/07 | | 51.62 | 58.41 | 6.79 | 3,669.73 |
| MW-11 | 04/09/07 | | 52.63 | 58.38 | 5.75 | 3,668.83 |
| MW-11 | 04/16/07 | | 51.64 | 58.38 | 6.74 | 3,669.72 |
| MW-11 | 05/01/07 | | 51.68 | 58.39 | 6.71 | 3,669.68 |
| MW-11 | 05/21/07 | | 51.90 | 58.62 | 6.72 | 3,669.46 |
| MW-11 | 06/26/07 | | 51.80 | 58.44 | 6.64 | 3,669.57 |
| MW-11 | 06/28/07 | | 51.80 | 58.38 | 6.58 | 3,669.57 |
| MW-11 | 07/18/07 | | 51.76 | 58.31 | 6.55 | 3,669.62 |
| MW-11 | 10/24/07 | | 51.94 | 58.26 | 6.32 | 3,669.46 |
| MW-11 | 11/02/07 | | 52.00 | 58.32 | 6.32 | 3,669.40 |
| MW-11 | 11/12/07 | | 52.01 | 58.30 | 6.29 | 3,669.39 |
| MW-11 | 12/03/07 | | 52.58 | 56.55 | 3.97 | 3,669.05 |
| MW-11 | 01/03/08 | | 53.19 | 54.23 | 1.04 | 3,668.74 |
| MW-11 | 01/07/08 | | 52.96 | 54.22 | 1.26 | 3,668.94 |
| MW-11 | 01/22/08 | | 52.77 | 56.36 | 3.59 | 3,668.90 |
| MW-11 | 01/29/08 | | 54.02 | 55.34 | 1.32 | 3,667.88 |
| MW-11 | 02/06/08 | | 52.51 | 57.88 | 5.37 | 3,668.98 |
| MW-11 | 02/12/08 | | 52.53 | 57.90 | 5.37 | 3,668.96 |
| MW-11 | 03/13/08 | | 52.93 | 56.50 | 3.57 | 3,668.74 |
| MW-11 | 03/19/08 | | 52.71 | 57.58 | 4.87 | 3,668.83 |
| MW-11 | 04/01/08 | | 53.35 | 54.89 | 1.54 | 3,668.53 |
| MW-11 | 04/11/08 | | 53.16 | 56.08 | 2.92 | 3,668.58 |
| MW-11 | 04/16/08 | | 53.65 | 53.83 | 0.18 | 3,668.36 |
| MW-11 | 05/14/08 | | 53.18 | 56.64 | 3.46 | 3,668.50 |
| MW-11 | 05/23/08 | | 53.85 | 54.01 | 0.16 | 3,668.16 |

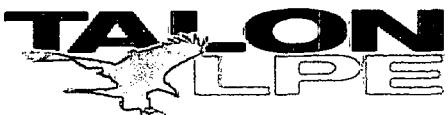


TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|--------------|----------------|-------------------------------|--|
| | | feet amsl* | feet btoc* | feet btoc | feet | feet amsl |
| MW-11 | 06/03/08 | | 53.87 | 54.16 | 0.29 | 3,668.13 |
| MW-11 | 06/10/08 | | 53.92 | 54.11 | 0.19 | 3,668.09 |
| MW-11 | 06/18/08 | | 53.94 | 54.43 | 0.49 | 3,668.04 |
| MW-11 | 07/01/08 | | 54.06 | 54.25 | 0.19 | 3,667.95 |
| MW-11 | 07/02/08 | | 53.69 | 53.92 | 0.23 | 3,668.32 |
| MW-11 | 07/24/08 | | 53.76 | 56.96 | 3.20 | 3,667.95 |
| MW-11 | 08/06/08 | | 54.37 | 54.59 | 0.22 | 3,667.64 |
| MW-11 | 08/28/08 | | 53.75 | 54.13 | 0.38 | 3,668.24 |
| MW-11 | 09/26/08 | | 53.32 | 56.89 | 3.57 | 3,668.35 |
| MW-11 | 10/27/08 | | 53.17 | 57.75 | 4.58 | 3,668.40 |
| MW-11 | 12/02/08 | | 53.19 | 58.12 | 4.93 | 3,668.35 |
| MW-11 | 01/15/09 | | 53.35 | 58.14 | 4.79 | 3,668.20 |
| MW-11 | 02/05/09 | | 53.36 | 58.13 | 4.77 | 3,668.19 |
| MW-11 | 04/06/09 | | 53.48 | 58.14 | 4.66 | 3,668.08 |
| MW-11 | 05/19/09 | 3,722.55 | 53.38 | 58.13 | 4.75 | 3,668.70 |
| MW-11 | 07/13/09 | | 53.78 | 58.21 | 4.43 | 3,668.33 |
| MW-11 | 08/27/09 | | 53.75 | 58.21 | 4.46 | 3,668.06 |
| MW-11 | 12/14/09 | | 55.71 | 57.74 | 2.03 | 3,666.51 |
| MW-12 | | | | | | |
| MW-12 | | | | | Well installed March 11, 2009 | |
| MW-12 | 04/06/09 | | | 57.01 | | |
| MW-12 | 05/19/09 | 3,724.11 | | 57.02 | | 3,667.09 |
| MW-12 | 08/27/09 | | | 57.44 | | 3,666.67 |
| MW-12 | 12/14/09 | | | 57.65 | | 3,666.46 |
| MW-13 | | | | | Well installed March 11, 2009 | |
| MW-13 | 04/06/09 | | | 55.92 | | |
| MW-13 | 05/19/09 | 3,723.19 | | 56.04 | | 3,667.15 |
| MW-13 | 08/27/09 | | | 56.32 | | 3,666.87 |
| MW-13 | 12/14/09 | | | 56.65 | | 3,666.54 |



TABLE 1
SUMMARY OF HISTORICAL FLUID LEVEL MEASUREMENTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO
TALONLPE PROJECT NUMBER 700376.050.01

| Monitor Well# | Date Gauged | Relative Top of Casing Elevation | | Depth to PSH | Depth to Water | PSH Thickness | Corrected Relative Groundwater Elevation |
|---------------|-------------|----------------------------------|------------|--------------|----------------|---------------|--|
| | | feet amsl* | feet btoc* | | | | |
| | | | | | | | |

Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SG)(PSH Thickness)).
SG = 0.835
amsl - above mean sea level
btoc - below top of casing

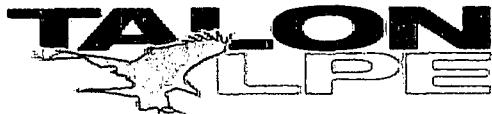


TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

| Sample Location | Sample Date | Benzene | Toluene | Ethyl-benzene | Xylene |
|-----------------|-------------|-------------|---|---------------|-------------|
| MW-1 | 02/05/09 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 05/19/09 | | Not sampled in 2nd Quarter | | |
| | 08/27/09 | | Not Enough Water to Sample | | |
| | 12/14/10 | | Not Enough Water to Sample | | |
| | | | | | |
| MW-2 | 02/05/09 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | 05/19/09 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | 08/27/09 | | Not Enough Water to Sample | | |
| | 12/14/10 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | | | | | |
| MW-3 | 02/05/09 | 16.7 | <0.100 | 0.196 | <0.100 |
| | 05/19/09 | 20.7 | <0.100 | <0.100 | <0.100 |
| | 08/27/09 | 16.0 | <0.100 | <0.100 | 1.97 |
| | 12/14/10 | 19.1 | <0.100 | 0.156 | <0.100 |
| | | | | | |
| MW-4 | 02/05/09 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 05/19/09 | | Not sampled in 2nd Quarter | | |
| | 08/27/09 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/14/10 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | | | | | |
| MW-5 | 02/05/09 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | 05/19/09 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | 08/27/09 | | Not Enough Water to Sample | | |
| | 12/14/10 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | | | | | |
| MW-6 | 02/05/09 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | 05/19/09 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | 08/27/09 | 17.8 | 10.9 | 1.79 | 4.32 |
| | 12/14/10 | | Not sampled Due to Presence of Phase Separated Hydrocarbons | | |
| | | | | | |

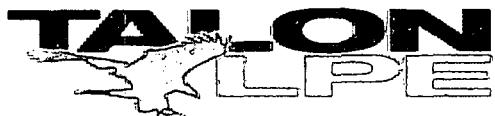


TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

| Sample Location | Sample Date | Benzene | Toluene | Ethyl-benzene | Xylene |
|-----------------|-------------|----------|----------|----------------------------|-------------------|
| MW-7 | 02/05/09 | | | | |
| | 05/19/09 | | | | |
| | 08/27/09 | 15.3 | 11.6 | 2.19 | 5.29 |
| | 12/14/10 | | | | |
| MW-8 | 02/05/09 | | | | |
| | 05/19/09 | | | | |
| | 08/27/09 | 17.2 | 11.3 | 2.17 | 4.98 |
| | 12/14/10 | | | | |
| MW-9 | 02/05/09 | | | | |
| | 05/19/09 | | | | |
| | 08/27/09 | 17.1 | 9.38 | 1.78 | 4.35 |
| | 12/14/10 | | | | |
| MW-10 | 02/05/09 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 05/19/09 | 0.00690 | <0.00100 | <0.00100 | <0.00100 |
| | 08/27/09 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/14/10 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW-11 | 02/05/09 | | | | |
| | 05/19/09 | | | | |
| | 08/27/09 | | | Not Enough Water to Sample | |
| | 12/14/10 | | | | |
| MW-12 | | | | | Installed 3/11/09 |
| | 05/19/09 | 4.56 | <0.0200 | <0.0200 | 0.271 |
| | 08/27/09 | 5.28 | <0.0200 | <0.0200 | 0.457 |
| | 12/14/10 | 5.82 | <0.0200 | <0.0200 | <0.0200 |
| | | | | | |

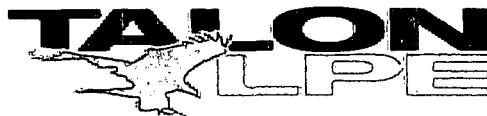


TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
PLAINS PIPELINE, L.P. - SRS# 2000-10757
KIMBROUGH SWEET 8"
NMOCD REF. #AP-0029
LEA COUNTY, NEW MEXICO
TALON/LPE PROJECT NUMBER 700376.050.01

All concentrations are in mg/L

| Sample Location | Sample Date | Benzene | Toluene | Ethyl-benzene | Xylene |
|------------------------|-------------|---------------|----------|---------------|----------|
| Installed 3/11/09 | | | | | |
| MW-13 | 05/19/09 | 0.0198 | <0.00100 | <0.00100 | <0.00100 |
| | 08/27/09 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/14/10 | <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

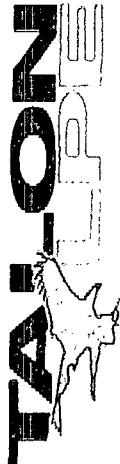


TABLE 3
 SUMMARY OF GROUNDWATER POLY-AROMATIC
 HYDROCARBON (PAH) ANALYTICAL RESULTS
 PLAINS PIPELINE, L.P.
 KIMBROUGH SWEET 8"
 NMOC REF. # AP-0029
 LEA COUNTY, NEW MEXICO - SRS# 2000-10757
 Talon/LPE Project Number 700376.050.01

All concentrations are in mg/L

| Sample Location | Sample Date | Acenaphthene | Acenaphthylene | Anthracene | Benzol[a]-anthracene | Benzol[b]-fluoranthene | Benzol[g,h,j]-perylene | Benzol[k]-fluoranthene | Chrysene | Dibenz[a,h]-anthracene | Fluoranthene | Indeno[1,2,3-cd]-pyrene | 1-Methylimapthalene | 2-Methylimapthalene | Naphthalene | Phenanthrene | Pyrene | | |
|------------------------|-------------|--------------|----------------|------------|----------------------|------------------------|------------------------|------------------------|-----------|------------------------|--------------|-------------------------|---------------------|---------------------|-------------|--------------|---------------|-----------|-----------|
| MW-3 | 08/27/09 | <0.000183 | <0.000183 | <0.000183 | <0.000183 | <0.000183 | <0.000183 | <0.000183 | <0.000183 | <0.000183 | 0.00153 | <0.000183 | 0.00172 | <0.000183 | 0.0308 | 0.00505 | 0.0440 | 0.00135 | |
| MW-4 | 08/27/09 | <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 | 0.000315 | 0.000322 | 0.000282 | <0.000184 |
| MW-10 | 08/27/09 | <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 | |
| NMWQCC Remedial Limits | | | | | | | | | | | | | | | | | | 0.030 | |

¹ Bolded values are in excess of the NMWQCC Remediation Thresholds



TABLE 4
SUMMARY GROUNDWATER ANALYTICAL RESULTS
(Monitor Wells Impacted with PSH)
PLAINS PIPELINE, L.P.
KIMBROUGH SWEET 8"
NMOCD REF. # AP-0029
LEA COUNTY, NEW MEXICO - SRS# 2000-10757
Talon/LPE Project Number 700376.050.01

All concentrations are in mg/L

| Sample Location | Sample Date | Benzene | Toluene | Ethylbenzene | Total TPH | TPH DRO | TPH GRO | Aceanaphthalene | Benzo[a]-anthracene | Benzo[b]-fluoranthene | Benzo[k]-fluoranthene | Chrysene | Dibenzofuran | Fluoranthene | Indeno[1,2,3-cd]-pyrene | 1-Methylmaphtahlene | 2-Methylmaphtahlene | Naphthalene | Phenanthrene | Pyrene | | | |
|------------------------|-------------|---------|---------|--------------|-------------|---------|---------|-----------------|---------------------|-----------------------|-----------------------|-----------|--------------|--------------|-------------------------|---------------------|---------------------|-------------|--------------|-------------|-------------|-----------|----------|
| MW-6 | 08/27/09 | 17.8 | 10.90 | 1.79 | 4.32 | 1200.0 | 101.0 | 1301.0 | <0.00184 | <0.00184 | <0.00184 | <0.00184 | 0.900 | <0.00184 | 1.49 | <0.00184 | 18.3 | 21.5 | 9.02 | 1.75 | <0.00184 | | |
| MW-7 | 08/27/09 | 15.3 | 11.6 | 2.19 | 5.29 | 920 | 85.9 | 1005.9 | <0.00939 | <0.00939 | <0.00939 | <0.00939 | 0.0408 | <0.00939 | 0.193 | <0.00939 | 0.313 | 2.90 | 3.48 | 1.36 | 0.337 | <0.00939 | |
| MW-8 | 08/27/09 | 17.2 | 11.3 | 2.17 | 4.98 | 851 | 87.6 | 938.6 | <0.000930 | <0.000930 | <0.000930 | <0.000930 | 0.0562 | <0.000930 | 0.331 | <0.000930 | 0.525 | 5.20 | 6.05 | 2.48 | 0.540 | <0.000930 | |
| MW-9 | 08/27/09 | 17.1 | 9.38 | 1.780 | 4.35 | 82.5 | 75.7 | 158.2 | <0.00188 | <0.00188 | <0.00188 | <0.00188 | 0.0960 | <0.00188 | 0.414 | <0.00188 | 0.708 | <0.00188 | 8.72 | 10.6 | 4.14 | 0.896 | <0.00188 |
| NMWQCC Remedial Limits | | 0.01 | 0.75 | 0.75 | 0.62 | | | | | | | | | | | 0.0007 | | | | | 0.030 | | |

Bolded values are in excess of the NMWQCC Remediation Thresholds

TPX, 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
200 East Sunset Road, Suite E
5002 Basin Street, Suite A1
6015 Harris Parkway, Suite 110

Lubbock, Texas 79424 806•794•1296
El Paso, Texas 79922 888•588•3443
Midland, Texas 79703 915•585•3443
Ft. Worth, Texas 76132 432•689•6301

FAX 806•794•1298
FAX 915•585•4944
FAX 432•689•6313

E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019

HUB: 1752439743100-86536
NCTRCA WFWB38444Y0909

DBE: VN 20657

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

NELAP Certifications

Analytical and Quality Control Report

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

Report Date: February 10, 2009

Work Order: 9020606



Project Location: Hobbs, NM
Project Name: Kimbrough
Project Number: Plains045SPL
SRS #: 2000-10757

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 |
|--------|-------------|--------|------------|------------|---------------|
| 186785 | MW-1 | water | 2009-02-05 | 13:07 | 2009-02-06 |
| 186786 | MW-3 | water | 2009-02-05 | 13:14 | 2009-02-06 |
| 186787 | MW-4 | water | 2009-02-05 | 13:19 | 2009-02-06 |
| 186788 | MW-10 | water | 2009-02-05 | 13:24 | 2009-02-06 |

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.

Blair Leftwich

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project Kimbrough were received by TraceAnalysis, Inc. on 2009-02-06 and assigned to work order 9020606. Samples for work order 9020606 were received intact without headspace and at a temperature of 9.1 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 | 48433 | 2009-02-06 at 12:00 | 56694 | 2009-02-07 at 21:20 |
| BTEX | S 8021B | 48464 | 2009-02-09 at 09:00 | 56722 | 2009-02-09 at 11:45 |

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 9020606 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.

Report Date: February 10, 2009
Plains045SPL

Work Order: 9020606
Kimbrough

Page Number: 4 of 9
Hobbs, NM

Analytical Report

Sample: 186785 - MW-1

| | | | | | |
|-------------|---------|---------------------|------------|--------------|---------|
| Laboratory: | Midland | Analytical Method: | S 8021B | Prep Method: | S 5030B |
| Analysis: | BTEX | Date Analyzed: | 2009-02-09 | Analyzed By: | AG |
| QC Batch: | 56722 | Sample Preparation: | 2009-02-09 | Prepared By: | AG |
| Prep Batch: | 48464 | | | | |

| Parameter | Flag | 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) | | 0.0985 | mg/L | 1 | 0.100 | 98 | 77.8 - 121.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0929 | mg/L | 1 | 0.100 | 93 | 40.1 - 136 |

Sample: 186786 - MW-3

| | | | | | |
|-------------|---------|---------------------|------------|--------------|---------|
| Laboratory: | Midland | Analytical Method: | S 8021B | Prep Method: | S 5030B |
| Analysis: | BTEX | Date Analyzed: | 2009-02-07 | Analyzed By: | AG |
| QC Batch: | 56694 | Sample Preparation: | 2009-02-06 | Prepared By: | AG |
| Prep Batch: | 48433 | | | | |

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|--------------|-------|----------|---------|
| Benzene | | 16.7 | mg/L | 100 | 0.00100 |
| Toluene | | <0.100 | mg/L | 100 | 0.00100 |
| Ethylbenzene | | 0.196 | 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) | | 10.6 | mg/L | 100 | 10.0 | 106 | 77.8 - 121.1 |
| 4-Bromofluorobenzene (4-BFB) | | 6.76 | mg/L | 100 | 10.0 | 68 | 40.1 - 136 |

Sample: 186787 - MW-4

| | | | | | |
|-------------|---------|---------------------|------------|--------------|---------|
| Laboratory: | Midland | Analytical Method: | S 8021B | Prep Method: | S 5030B |
| Analysis: | BTEX | Date Analyzed: | 2009-02-07 | Analyzed By: | AG |
| QC Batch: | 56694 | Sample Preparation: | 2009-02-06 | Prepared By: | AG |
| Prep Batch: | 48433 | | | | |

Report Date: February 10, 2009
Plains045SPL

Work Order: 9020606
Kimbrough

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Hobbs, NM

| 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) | | 0.105 | mg/L | 1 | 0.100 | 105 | 77.8 - 121.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0671 | mg/L | 1 | 0.100 | 67 | 40.1 - 136 |

Sample: 186788 - MW-10

Laboratory: Midland
Analysis: BTEX
QC Batch: 56694
Prep Batch: 48433

Analytical Method: S 8021B
Date Analyzed: 2009-02-07
Sample Preparation: 2009-02-06

Prep Method: S 5030B
Analyzed By: AG
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) | | 0.101 | mg/L | 1 | 0.100 | 101 | 77.8 - 121.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0667 | mg/L | 1 | 0.100 | 67 | 40.1 - 136 |

Method Blank (1) QC Batch: 56694

QC Batch: 56694
Prep Batch: 48433

Date Analyzed: 2009-02-07
QC Preparation: 2009-02-06

Analyzed By: AG
Prepared By: AG

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

Report Date: February 10, 2009
Plains045SPL

Work Order: 9020606
Kimbrough

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Hobbs, NM

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 0.102 | mg/L | 1 | 0.100 | 102 | 77.2 - 129.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0828 | mg/L | 1 | 0.100 | 83 | 69.1 - 132.3 |

Method Blank (1) QC Batch: 56722

QC Batch: 56722 Date Analyzed: 2009-02-09 Analyzed By: AG
Prep Batch: 48464 QC Preparation: 2009-02-09 Prepared By: AG

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

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 0.0987 | mg/L | 1 | 0.100 | 99 | 77.2 - 129.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0892 | mg/L | 1 | 0.100 | 89 | 69.1 - 132.3 |

Laboratory Control Spike (LCS-1)

QC Batch: 56694 Date Analyzed: 2009-02-07 Analyzed By: AG
Prep Batch: 48433 QC Preparation: 2009-02-06 Prepared By: AG

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|------------|-------|------|--------------|---------------|------|--------------|
| Benzene | 0.0951 | mg/L | 1 | 0.100 | <0.00110 | 95 | 84 - 119.7 |
| Toluene | 0.0979 | mg/L | 1 | 0.100 | <0.00100 | 98 | 84.9 - 118.2 |
| Ethylbenzene | 0.0962 | mg/L | 1 | 0.100 | <0.00100 | 96 | 84.4 - 118.6 |
| Xylene | 0.289 | mg/L | 1 | 0.300 | <0.00290 | 96 | 84.8 - 117.8 |

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 | 0.0966 | mg/L | 1 | 0.100 | <0.00110 | 97 | 84 - 119.7 | 2 | 20 |
| Toluene | 0.0995 | mg/L | 1 | 0.100 | <0.00100 | 100 | 84.9 - 118.2 | 2 | 20 |
| Ethylbenzene | 0.100 | mg/L | 1 | 0.100 | <0.00100 | 100 | 84.4 - 118.6 | 4 | 20 |
| Xylene | 0.299 | mg/L | 1 | 0.300 | <0.00290 | 100 | 84.8 - 117.8 | 3 | 20 |

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

Report Date: February 10, 2009
Plains045SPL

Work Order: 9020606
Kimbrough

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| Surrogate | LCS Result | LCSD Result | Units | Dil. | Spike Amount | LCS Rec. | LCSD Rec. | Rec. Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Trifluorotoluene (TFT) | 0.103 | 0.103 | mg/L | 1 | 0.100 | 103 | 103 | 80 - 128.3 |
| 4-Bromofluorobenzene (4-BFB) | 0.0849 | 0.0849 | mg/L | 1 | 0.100 | 85 | 85 | 59.7 - 136.3 |

Laboratory Control Spike (LCS-1)

QC Batch: 56722
Prep Batch: 48464

Date Analyzed: 2009-02-09
QC Preparation: 2009-02-09

Analyzed By: AG
Prepared By: AG

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|--------------|---------------|-------|------|-----------------|------------------|--------------|---------------|
| Benzene | 0.0989 | mg/L | 1 | 0.100 | <0.00110 | 99 | 84 - 119.7 |
| Toluene | 0.0988 | mg/L | 1 | 0.100 | <0.00100 | 99 | 84.9 - 118.2 |
| Ethylbenzene | 0.0986 | mg/L | 1 | 0.100 | <0.00100 | 99 | 84.4 - 118.6 |
| Xylene | 0.293 | mg/L | 1 | 0.300 | <0.00290 | 98 | 84.8 - 117.8 |

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. | Rec. Limit | RPD | RPD Limit |
|--------------|----------------|-------|------|-----------------|------------------|--------------|---------------|-----|--------------|
| Benzene | 0.102 | mg/L | 1 | 0.100 | <0.00110 | 102 | 84 - 119.7 | 3 | 20 |
| Toluene | 0.103 | mg/L | 1 | 0.100 | <0.00100 | 103 | 84.9 - 118.2 | 4 | 20 |
| Ethylbenzene | 0.104 | mg/L | 1 | 0.100 | <0.00100 | 104 | 84.4 - 118.6 | 5 | 20 |
| Xylene | 0.311 | mg/L | 1 | 0.300 | <0.00290 | 104 | 84.8 - 117.8 | 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) | 0.0996 | 0.0999 | mg/L | 1 | 0.100 | 100 | 100 | 80 - 128.3 |
| 4-Bromofluorobenzene (4-BFB) | 0.0939 | 0.0951 | mg/L | 1 | 0.100 | 94 | 95 | 59.7 - 136.3 |

Matrix Spike (MS-1) Spiked Sample: 186786

QC Batch: 56694
Prep Batch: 48433

Date Analyzed: 2009-02-07
QC Preparation: 2009-02-06

Analyzed By: AG
Prepared By: AG

| Param | MS | | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | |
|--------------|--------|-------|------|--------------|---------------|---------|------------|--------------|
| | Result | Units | | | | | | |
| Benzene | 1 | 21.5 | mg/L | 100 | 10.0 | 16.7004 | 48 | 77.5 - 121.1 |
| Toluene | | 7.86 | mg/L | 100 | 10.0 | <0.100 | 79 | 78.8 - 119.6 |
| Ethylbenzene | | 8.15 | mg/L | 100 | 10.0 | 0.1964 | 80 | 77.9 - 120.5 |
| Xylene | 2 | 22.6 | mg/L | 100 | 30.0 | <0.290 | 75 | 78 - 119.4 |

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

¹Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

²Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: February 10, 2009
Plains045SPL

Work Order: 9020606
Kimbrough

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Hobbs, NM

| Param | MSD | | Spike Amount | Matrix Result | Rec. | | RPD | RPD Limit |
|--------------|----------------|-------|-----------------|------------------|------|---------|-----|--------------|
| | Result | Units | | | Dil. | Rec. | | |
| Benzene | 3 ^a | 23.2 | mg/L | 100 | 10.0 | 16.7004 | 65 | 77.5 - 121.1 |
| Toluene | | 8.52 | mg/L | 100 | 10.0 | <0.100 | 85 | 78.8 - 119.6 |
| Ethylbenzene | | 8.88 | mg/L | 100 | 10.0 | 0.1964 | 87 | 77.9 - 120.5 |
| Xylene | | 25.0 | mg/L | 100 | 30.0 | <0.290 | 83 | 78 - 119.4 |

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) | | 9.31 | 10.2 | mg/L | 100 | 10 | 93 | 102 | 86.6 - 118.9 |
| 4-Bromofluorobenzene (4-BFB) | 4.5 | 4.61 | 5.19 | mg/L | 100 | 10 | 46 | 52 | 59.4 - 127.3 |

Standard (CCV-1)

QC Batch: 56694

Date Analyzed: 2009-02-07

Analyzed By: AG

| Param | Flag | Units | CCVs | CCVs | CCVs | Percent | Date |
|--------------|-------|----------|--------|----------|---------|----------|------------|
| | | | True | Found | Percent | Recovery | |
| Conc. | Conc. | Recovery | Limits | Analyzed | | | |
| Benzene | | mg/L | 0.100 | 0.0922 | 92 | 85 - 115 | 2009-02-07 |
| Toluene | | mg/L | 0.100 | 0.0951 | 95 | 85 - 115 | 2009-02-07 |
| Ethylbenzene | | mg/L | 0.100 | 0.0948 | 95 | 85 - 115 | 2009-02-07 |
| Xylene | | mg/L | 0.300 | 0.274 | 91 | 85 - 115 | 2009-02-07 |

Standard (CCV-2)

QC Batch: 56694

Date Analyzed: 2009-02-07

Analyzed By: AG

| Param | Flag | Units | CCVs | CCVs | CCVs | Percent | Date |
|--------------|------|-------|-------|--------|---------|----------|------------|
| | | | True | Found | Percent | Recovery | |
| Benzene | | mg/L | 0.100 | 0.0859 | 86 | 85 - 115 | 2009-02-07 |
| Toluene | | mg/L | 0.100 | 0.0891 | 89 | 85 - 115 | 2009-02-07 |
| Ethylbenzene | | mg/L | 0.100 | 0.0918 | 92 | 85 - 115 | 2009-02-07 |
| Xylene | | mg/L | 0.300 | 0.262 | 87 | 85 - 115 | 2009-02-07 |

Standard (ICV-1)

QC Batch: 56722

Date Analyzed: 2009-02-09

Analyzed By: AG

³MSD analyte out of range. MS/MSD has a RPD within limits. Therfore, MS shows extraction occured properly.

⁴Surrogate out due to peak interference.

⁵Surrogate out due to peak interference.

Report Date: February 10, 2009
Plains045SPL

Work Order: 9020606
Kimbrough

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| Param | Flag | Units | ICVs True Conc. | ICVs Found Conc. | ICVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene | | mg/L | 0.100 | 0.0900 | 90 | 85 - 115 | 2009-02-09 |
| Toluene | | mg/L | 0.100 | 0.0912 | 91 | 85 - 115 | 2009-02-09 |
| Ethylbenzene | | mg/L | 0.100 | 0.0942 | 94 | 85 - 115 | 2009-02-09 |
| Xylene | | mg/L | 0.300 | 0.270 | 90 | 85 - 115 | 2009-02-09 |

Standard (CCV-1)

QC Batch: 56722

Date Analyzed: 2009-02-09

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 | 0.0940 | 94 | 85 - 115 | 2009-02-09 |
| Toluene | | mg/L | 0.100 | 0.0948 | 95 | 85 - 115 | 2009-02-09 |
| Ethylbenzene | | mg/L | 0.100 | 0.0952 | 95 | 85 - 115 | 2009-02-09 |
| Xylene | | mg/L | 0.300 | 0.279 | 93 | 85 - 115 | 2009-02-09 |

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 806•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
NCTRCA WFWB38444Y0909

DBE: VN 20657

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: May 22, 2009

Work Order: 9052002



Project Location: Hobbs, NM
Project Name: Kimbrough Sweet 8 inch
Project Number: PLAINS045SPL
SRS#: 2000-10757

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 |
|--------|-------------|--------|------------|------------|---------------|
| 196417 | MW-12 | water | 2009-05-19 | 13:50 | 2009-05-20 |
| 196418 | MW-13 | water | 2009-05-19 | 14:05 | 2009-05-20 |
| 196419 | MW-3 | water | 2009-05-19 | 14:15 | 2009-05-20 |
| 196420 | MW-10 | water | 2009-05-19 | 14:25 | 2009-05-20 |

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

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

TraceAnalysis, Inc.

Michael Abel

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 Kimbrough Sweet 8 inch were received by TraceAnalysis, Inc. on 2009-05-20 and assigned to work order 9052002. Samples for work order 9052002 were received intact without headspace and at a temperature of 6.0 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 | 50932 | 2009-05-20 at 09:03 | 59672 | 2009-05-20 at 09:03 |
| BTEX | S 8021B | 50982 | 2009-05-21 at 09:42 | 59722 | 2009-05-21 at 09:42 |

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 9052002 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.

Report Date: May 22, 2009
PLAINS045SPL

Work Order: 9052002
Kimbrough Sweet 8 inch

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Analytical Report

Sample: 196417 - MW-12

Laboratory: Midland
Analysis: BTEX
QC Batch: 59722
Prep Batch: 50982

Analytical Method: S 8021B
Date Analyzed: 2009-05-21
Sample Preparation: 2009-05-21

Prep Method: S 5030B
Analyzed By: ME
Prepared By: ME

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|---------|-------|----------|---------|
| Benzene | | 4.56 | mg/L | 20 | 0.00100 |
| Toluene | | <0.0200 | mg/L | 20 | 0.00100 |
| Ethylbenzene | | <0.0200 | mg/L | 20 | 0.00100 |
| Xylene | | 0.271 | mg/L | 20 | 0.00100 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 2.15 | mg/L | 20 | 2.00 | 108 | 77.8 - 121.1 |
| 4-Bromofluorobenzene (4-BFB) | | 1.80 | mg/L | 20 | 2.00 | 90 | 40.1 - 136 |

Sample: 196418 - MW-13

Laboratory: Midland
Analysis: BTEX
QC Batch: 59672
Prep Batch: 50932

Analytical Method: S 8021B
Date Analyzed: 2009-05-20
Sample Preparation: 2009-05-20

Prep Method: S 5030B
Analyzed By: ME
Prepared By: ME

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|----------|-------|----------|---------|
| Benzene | | 0.0198 | 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) | | 0.0982 | mg/L | 1 | 0.100 | 98 | 77.8 - 121.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0860 | mg/L | 1 | 0.100 | 86 | 40.1 - 136 |

Sample: 196419 - MW-3

Laboratory: Midland
Analysis: BTEX
QC Batch: 59672
Prep Batch: 50932

Analytical Method: S 8021B
Date Analyzed: 2009-05-20
Sample Preparation: 2009-05-20

Prep Method: S 5030B
Analyzed By: ME
Prepared By: ME

Report Date: May 22, 2009
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Work Order: 9052002
Kimbrough Sweet 8 inch

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| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|--------|-------|----------|---------|
| Benzene | | 20.7 | mg/L | 100 | 0.00100 |
| Toluene | | <0.100 | mg/L | 100 | 0.00100 |
| Ethylbenzene | | <0.100 | 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) | | 10.0 | mg/L | 100 | 10.0 | 100 | 77.8 - 121.1 |
| 4-Bromofluorobenzene (4-BFB) | | 8.61 | mg/L | 100 | 10.0 | 86 | 40.1 - 136 |

Sample: 196420 - MW-10

Laboratory: Midland
Analysis: BTEX
QC Batch: 59672
Prep Batch: 50932

Analytical Method: S 8021B
Date Analyzed: 2009-05-20
Sample Preparation: 2009-05-20

Prep Method: S 5030B
Analyzed By: ME
Prepared By: ME

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|----------|-------|----------|---------|
| Benzene | | 0.00690 | 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 | 77.8 - 121.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0833 | mg/L | 1 | 0.100 | 83 | 40.1 - 136 |

Method Blank (1) QC Batch: 59672

QC Batch: 59672
Prep Batch: 50932

Date Analyzed: 2009-05-20
QC Preparation: 2009-05-20

Analyzed By: ME
Prepared By: ME

| Parameter | Flag | Result | Units | MDL |
|--------------|------|-----------|-------|-------|
| 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 |

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Kimbrough Sweet 8 inch

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| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 0.0954 | mg/L | 1 | 0.100 | 95 | 77.2 - 129.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0771 | mg/L | 1 | 0.100 | 77 | 69.1 - 132.3 |

Method Blank (1) QC Batch: 59722

QC Batch: 59722 Date Analyzed: 2009-05-21 Analyzed By: ME
Prep Batch: 50982 QC Preparation: 2009-05-21 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) | | 0.0947 | mg/L | 1 | 0.100 | 95 | 77.2 - 129.1 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0747 | mg/L | 1 | 0.100 | 75 | 69.1 - 132.3 |

Laboratory Control Spike (LCS-1)

QC Batch: 59672 Date Analyzed: 2009-05-20 Analyzed By: ME
Prep Batch: 50932 QC Preparation: 2009-05-20 Prepared By: ME

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|------------|-------|------|--------------|---------------|------|--------------|
| Benzene | 0.0924 | mg/L | 1 | 0.100 | <0.00110 | 92 | 84 - 119.7 |
| Toluene | 0.0929 | mg/L | 1 | 0.100 | <0.00100 | 93 | 84.9 - 118.2 |
| Ethylbenzene | 0.0915 | mg/L | 1 | 0.100 | <0.00100 | 92 | 84.4 - 118.6 |
| Xylene | 0.267 | mg/L | 1 | 0.300 | <0.00290 | 89 | 84.8 - 117.8 |

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 | 0.0908 | mg/L | 1 | 0.100 | <0.00110 | 91 | 84 - 119.7 | 2 | 20 |
| Toluene | 0.0893 | mg/L | 1 | 0.100 | <0.00100 | 89 | 84.9 - 118.2 | 4 | 20 |
| Ethylbenzene | 0.0872 | mg/L | 1 | 0.100 | <0.00100 | 87 | 84.4 - 118.6 | 5 | 20 |
| Xylene | 0.257 | mg/L | 1 | 0.300 | <0.00290 | 86 | 84.8 - 117.8 | 4 | 20 |

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

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Kimbrough Sweet 8 inch

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| Surrogate | LCS Result | LCSD Result | Units | Dil. | Spike Amount | LCS Rec. | LCSD Rec. | Rec. Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Trifluorotoluene (TFT) | 0.0968 | 0.0989 | mg/L | 1 | 0.100 | 97 | 99 | 80 - 128.3 |
| 4-Bromofluorobenzene (4-BFB) | 0.0841 | 0.0797 | mg/L | 1 | 0.100 | 84 | 80 | 59.7 - 136.3 |

Laboratory Control Spike (LCS-1)

QC Batch: 59722
Prep Batch: 50982

Date Analyzed: 2009-05-21
QC Preparation: 2009-05-21

Analyzed By: ME
Prepared By: ME

| Param | LCS | | Dil. | Spike Amount | Matrix Result | Rec. | |
|--------------|--------|-------|------|--------------|---------------|------|--------------|
| | Result | Units | | | | Rec. | Limit |
| Benzene | 0.0894 | mg/L | 1 | 0.100 | <0.00110 | 89 | 84 - 119.7 |
| Toluene | 0.0893 | mg/L | 1 | 0.100 | <0.00100 | 89 | 84.9 - 118.2 |
| Ethylbenzene | 0.0848 | mg/L | 1 | 0.100 | <0.00100 | 85 | 84.4 - 118.6 |
| Xylene | 0.255 | mg/L | 1 | 0.300 | <0.00290 | 85 | 84.8 - 117.8 |

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

| Param | LCSD | | Spike Amount | Matrix | | Rec. | | RPD | RPD Limit |
|--------------|--------|-------|--------------|--------|----------|-------|--------------|-----|-----------|
| | Result | Units | | Result | Rec. | Limit | | | |
| Benzene | 0.0949 | mg/L | 1 | 0.100 | <0.00110 | 95 | 84 - 119.7 | 6 | 20 |
| Toluene | 0.0935 | mg/L | 1 | 0.100 | <0.00100 | 94 | 84.9 - 118.2 | 5 | 20 |
| Ethylbenzene | 0.0930 | mg/L | 1 | 0.100 | <0.00100 | 93 | 84.4 - 118.6 | 9 | 20 |
| Xylene | 0.275 | mg/L | 1 | 0.300 | <0.00290 | 92 | 84.8 - 117.8 | 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 | 0.0989 | mg/L | 1 | 0.100 | 101 | 99 | 80 - 128.3 |
| 4-Bromofluorobenzene (4-BFB) | 0.0769 | 0.0817 | mg/L | 1 | 0.100 | 77 | 82 | 59.7 - 136.3 |

Matrix Spike (MS-1) Spiked Sample: 196419

QC Batch: 59672
Prep Batch: 50932

Date Analyzed: 2009-05-20
QC Preparation: 2009-05-20

Analyzed By: ME
Prepared By: ME

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|-----------|-------|------|--------------|---------------|------|--------------|
| Benzene | 31.1 | mg/L | 100 | 10.0 | 20.7127 | 104 | 77.5 - 121.1 |
| Toluene | 9.84 | mg/L | 100 | 10.0 | <0.100 | 98 | 78.8 - 119.6 |
| Ethylbenzene | 9.37 | mg/L | 100 | 10.0 | <0.100 | 94 | 77.9 - 120.5 |
| Xylene | 27.4 | mg/L | 100 | 30.0 | <0.290 | 91 | 78 - 119.4 |

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

Report Date: May 22, 2009
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Work Order: 9052002
Kimbrough Sweet 8 inch

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| Param | MSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|--------------|------------|-------|------|--------------|---------------|------|--------------|-----|-----------|
| Benzene | 29.6 | mg/L | 100 | 10.0 | 20.7127 | 89 | 77.5 - 121.1 | 5 | 20 |
| Toluene | 9.39 | mg/L | 100 | 10.0 | <0.100 | 94 | 78.8 - 119.6 | 5 | 20 |
| Ethylbenzene | 9.45 | mg/L | 100 | 10.0 | <0.100 | 94 | 77.9 - 120.5 | 1 | 20 |
| Xylene | 27.7 | mg/L | 100 | 30.0 | <0.290 | 92 | 78 - 119.4 | 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) | 9.82 | 10.3 | mg/L | 100 | 10 | 98 | 103 | 86.6 - 118.9 |
| 4-Bromofluorobenzene (4-BFB) | 8.51 | 8.57 | mg/L | 100 | 10 | 85 | 86 | 59.4 - 127.3 |

Matrix Spike (MS-1) Spiked Sample: 196539

QC Batch: 59722 Date Analyzed: 2009-05-21 Analyzed By: ME
Prep Batch: 50982 QC Preparation: 2009-05-21 Prepared By: ME

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|-------------------|-------|------|--------------|---------------|------|--------------|
| Benzene | ¹ 2.41 | mg/L | 5 | 0.500 | 2.0542 | 71 | 77.5 - 121.1 |
| Toluene | 0.464 | mg/L | 5 | 0.500 | <0.00500 | 93 | 78.8 - 119.6 |
| Ethylbenzene | 0.621 | mg/L | 5 | 0.500 | 0.2193 | 80 | 77.9 - 120.5 |
| Xylene | 1.43 | mg/L | 5 | 1.50 | 0.143 | 86 | 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 | 2.46 | mg/L | 5 | 0.500 | 2.0542 | 81 | 77.5 - 121.1 | 2 | 20 |
| Toluene | 0.525 | mg/L | 5 | 0.500 | <0.00500 | 105 | 78.8 - 119.6 | 12 | 20 |
| Ethylbenzene | 0.655 | mg/L | 5 | 0.500 | 0.2193 | 87 | 77.9 - 120.5 | 5 | 20 |
| Xylene | 1.52 | mg/L | 5 | 1.50 | 0.143 | 92 | 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) | 0.521 | 0.484 | mg/L | 5 | 0.5 | 104 | 97 | 86.6 - 118.9 |
| 4-Bromofluorobenzene (4-BFB) | 0.456 | 0.461 | mg/L | 5 | 0.5 | 91 | 92 | 59.4 - 127.3 |

Standard (CCV-2)

QC Batch: 59672 Date Analyzed: 2009-05-20 Analyzed By: ME

¹ Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

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Kimbrough Sweet 8 inch

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| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene | | mg/L | 0.100 | 0.0992 | 99 | 80 - 120 | 2009-05-20 |
| Toluene | | mg/L | 0.100 | 0.0963 | 96 | 80 - 120 | 2009-05-20 |
| Ethylbenzene | | mg/L | 0.100 | 0.0922 | 92 | 80 - 120 | 2009-05-20 |
| Xylene | | mg/L | 0.300 | 0.273 | 91 | 80 - 120 | 2009-05-20 |

Standard (CCV-3)

| QC Batch: 59672 | | | Date Analyzed: 2009-05-20 | | | 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 | 0.100 | 100 | 80 - 120 | 2009-05-20 |
| Toluene | | mg/L | 0.100 | 0.0945 | 94 | 80 - 120 | 2009-05-20 |
| Ethylbenzene | | mg/L | 0.100 | 0.0936 | 94 | 80 - 120 | 2009-05-20 |
| Xylene | | mg/L | 0.300 | 0.279 | 93 | 80 - 120 | 2009-05-20 |

Standard (CCV-1)

| QC Batch: 59722 | | | Date Analyzed: 2009-05-21 | | | 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 | 0.0949 | 95 | 80 - 120 | 2009-05-21 |
| Toluene | | mg/L | 0.100 | 0.0908 | 91 | 80 - 120 | 2009-05-21 |
| Ethylbenzene | | mg/L | 0.100 | 0.0900 | 90 | 80 - 120 | 2009-05-21 |
| Xylene | | mg/L | 0.300 | 0.270 | 90 | 80 - 120 | 2009-05-21 |

Standard (CCV-2)

| QC Batch: 59722 | | | Date Analyzed: 2009-05-21 | | | 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 | 0.0998 | 100 | 80 - 120 | 2009-05-21 |
| Toluene | | mg/L | 0.100 | 0.0993 | 99 | 80 - 120 | 2009-05-21 |
| Ethylbenzene | | mg/L | 0.100 | 0.0998 | 100 | 80 - 120 | 2009-05-21 |
| Xylene | | mg/L | 0.300 | 0.290 | 97 | 80 - 120 | 2009-05-21 |

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
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
NCTRCA WFWB38444Y0909

DBE: VN 20657

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-Midland
2901 State Highway 349
Midland, TX, 79706

Report Date: September 8, 2009

Work Order: 9082801



Project Location: Hobbs, NM
Project Name: Kimbrough Sweet 8 inch
Project Number: 700376.016.01
SRS#: 2000-10757

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 |
|--------|-------------|--------|------------|------------|---------------|
| 208311 | MW-3 | water | 2009-08-27 | 12:20 | 2009-08-28 |
| 208312 | MW-4 | water | 2009-08-27 | 13:15 | 2009-08-28 |
| 208313 | MW-6 | water | 2009-08-27 | 14:26 | 2009-08-28 |
| 208314 | MW-7 | water | 2009-08-27 | 14:10 | 2009-08-28 |
| 208315 | MW-8 | water | 2009-08-27 | 13:55 | 2009-08-28 |
| 208316 | MW-9 | water | 2009-08-27 | 15:08 | 2009-08-28 |
| 208317 | MW-10 | water | 2009-08-27 | 13:30 | 2009-08-28 |
| 208318 | MW-12 | water | 2009-08-27 | 12:55 | 2009-08-28 |
| 208319 | MW-13 | water | 2009-08-27 | 12:45 | 2009-08-28 |

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 29 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 Kimbrough Sweet 8 inch were received by TraceAnalysis, Inc. on 2009-08-28 and assigned to work order 9082801. Samples for work order 9082801 were received intact without headspace and at a temperature of 2.1 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 | 53904 | 2009-09-01 at 13:00 | 63151 | 2009-09-01 at 21:57 |
| PAH | S 8270C | 53918 | 2009-08-27 at 15:00 | 63169 | 2009-09-02 at 11:32 |
| PAH | S 8270C | 54047 | 2009-09-03 at 15:00 | 63320 | 2009-09-08 at 09:48 |
| TPH DRO | Mod. 8015B | 53766 | 2009-08-28 at 11:05 | 63005 | 2009-08-28 at 11:05 |
| TPH GRO | S 8015B | 53904 | 2009-09-01 at 13:00 | 63150 | 2009-09-01 at 22:25 |

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 9082801 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: 208311 - MW-3

Laboratory: Midland

Analysis: BTEX

QC Batch: 63151

Prep Batch: 53904

Analytical Method: S 8021B

Date Analyzed: 2009-09-01

Sample Preparation: 2009-09-01

Prep Method: S 5030B

Analyzed By: AG

Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|-------------|-------|----------|---------|
| Benzene | | 16.0 | mg/L | 100 | 0.00100 |
| Toluene | | <0.100 | mg/L | 100 | 0.00100 |
| Ethylbenzene | | <0.100 | mg/L | 100 | 0.00100 |
| Xylene | | 1.97 | mg/L | 100 | 0.00100 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 9.28 | mg/L | 100 | 10.0 | 93 | 87 - 105.2 |
| 4-Bromofluorobenzene (4-BFB) | | 6.61 | mg/L | 100 | 10.0 | 66 | 49.8 - 130.8 |

Sample: 208311 - MW-3

Laboratory: Lubbock

Analysis: PAH

QC Batch: 63169

Prep Batch: 53918

Analytical Method: S 8270C

Date Analyzed: 2009-09-02

Sample Preparation: 2009-08-27

Prep Method: S 3510C

Analyzed By: MN

Prepared By: MN

| Parameter | Flag | Result | Units | Dilution | RL |
|----------------------|------|----------------|-------|----------|----------|
| Naphthalene | | 0.0440 | mg/L | 0.917 | 0.000200 |
| 2-Methylnaphthalene | | 0.00505 | mg/L | 0.917 | 0.000200 |
| 1-Methylnaphthalene | | 0.0308 | mg/L | 0.917 | 0.000200 |
| Acenaphthylene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Acenaphthene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Dibenzofuran | | 0.00153 | mg/L | 0.917 | 0.000200 |
| Fluorene | | 0.00172 | mg/L | 0.917 | 0.000200 |
| Anthracene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Phenanthrene | | 0.00135 | mg/L | 0.917 | 0.000200 |
| Fluoranthene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Pyrene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Benzo(a)anthracene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Chrysene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Benzo(b)fluoranthene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Benzo(k)fluoranthene | | <0.000183 | mg/L | 0.917 | 0.000200 |
| Benzo(a)pyrene | | <0.000183 | mg/L | 0.917 | 0.000200 |

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sample 208311 continued ...

| Parameter | Flag | Result | Units | Dilution | RL | | |
|------------------------|------|-----------|-------|----------|--------------|------------------|-----------------|
| Indeno(1,2,3-cd)pyrene | | <0.000183 | mg/L | 0.917 | 0.000200 | | |
| Dibenzo(a,h)anthracene | | <0.000183 | mg/L | 0.917 | 0.000200 | | |
| Benzo(g,h,i)perylene | | <0.000183 | mg/L | 0.917 | 0.000200 | | |
| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
| Nitrobenzene-d5 | | 0.0280 | mg/L | 0.917 | 0.0800 | 35 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0340 | mg/L | 0.917 | 0.0800 | 42 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0467 | mg/L | 0.917 | 0.0800 | 58 | 37.7 - 114 |

Sample: 208312 - MW-4

Laboratory: Midland
Analysis: BTEX
QC Batch: 63151
Prep Batch: 53904

Analytical Method: S 8021B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | 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) | | 0.0912 | mg/L | 1 | 0.100 | 91 | 87 - 105.2 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0607 | mg/L | 1 | 0.100 | 61 | 49.8 - 130.8 |

Sample: 208312 - MW-4

Laboratory: Lubbock
Analysis: PAH
QC Batch: 63169
Prep Batch: 53918

Analytical Method: S 8270C
Date Analyzed: 2009-09-02
Sample Preparation: 2009-08-27

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

| Parameter | Flag | Result | Units | Dilution | RL |
|---------------------|------|----------|-------|----------|----------|
| Naphthalene | | 0.000282 | mg/L | 0.922 | 0.000200 |
| 2-Methylnaphthalene | | 0.000322 | mg/L | 0.922 | 0.000200 |
| 1-Methylnaphthalene | | 0.000315 | mg/L | 0.922 | 0.000200 |

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sample 208312 continued ...

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------|------|-----------|-------|----------|----------|
| 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 | | 0.0302 | mg/L | 0.922 | 0.0800 | 38 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0327 | mg/L | 0.922 | 0.0800 | 41 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0461 | mg/L | 0.922 | 0.0800 | 58 | 37.7 - 114 |

Sample: 208313 - MW-6

Laboratory: Midland
Analysis: BTEX
QC Batch: 63151
Prep Batch: 53904

Analytical Method: S 8021B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|--------|-------|----------|---------|
| Benzene | | 17.8 | mg/L | 50 | 0.00100 |
| Toluene | | 10.9 | mg/L | 50 | 0.00100 |
| Ethylbenzene | | 1.79 | mg/L | 50 | 0.00100 |
| Xylene | | 4.32 | mg/L | 50 | 0.00100 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 4.55 | mg/L | 50 | 5.00 | 91 | 87 - 105.2 |
| 4-Bromofluorobenzene (4-BFB) | | 3.60 | mg/L | 50 | 5.00 | 72 | 49.8 - 130.8 |

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Sample: 208313 - MW-6

Laboratory: Lubbock
Analysis: PAH
QC Batch: 63169
Prep Batch: 53918

Analytical Method: S 8270C
Date Analyzed: 2009-09-02
Sample Preparation: 2009-08-27

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------|------|--------------|-------|----------|----------|
| Naphthalene | 1 | 9.02 | mg/L | 9.217 | 0.000200 |
| 2-Methylnaphthalene | 2 | 21.5 | mg/L | 9.217 | 0.000200 |
| 1-Methylnaphthalene | 3 | 18.3 | mg/L | 9.217 | 0.000200 |
| Acenaphthylene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Acenaphthene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Dibenzofuran | | 0.900 | mg/L | 9.217 | 0.000200 |
| Fluorene | 4 | 1.49 | mg/L | 9.217 | 0.000200 |
| Anthracene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Phenanthrene | 5 | 1.75 | mg/L | 9.217 | 0.000200 |
| Fluoranthene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Pyrene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Benzo(a)anthracene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Chrysene | | 0.211 | mg/L | 9.217 | 0.000200 |
| Benzo(b)fluoranthene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Benzo(k)fluoranthene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Benzo(a)pyrene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Indeno(1,2,3-cd)pyrene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Dibenzo(a,h)anthracene | | <0.00184 | mg/L | 9.217 | 0.000200 |
| Benzo(g,h,i)perylene | | <0.00184 | mg/L | 9.217 | 0.000200 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Nitrobenzene-d5 | 6 | 0.343 | mg/L | 9.217 | 0.0800 | 429 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | 7 | 0.0962 | mg/L | 9.217 | 0.0800 | 120 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0781 | mg/L | 9.217 | 0.0800 | 98 | 37.7 - 114 |

Sample: 208313 - MW-6

Laboratory: Midland
Analysis: TPH DRO
QC Batch: 63005
Prep Batch: 53766

Analytical Method: Mod. 8015B
Date Analyzed: 2009-08-28
Sample Preparation: 2009-08-28

Prep Method: N/A
Analyzed By: kg
Prepared By: kg

| Parameter | Flag | Result | Units | Dilution | RL |
|-----------|------|-------------|-------|----------|------|
| DRO | | 1200 | mg/L | 5 | 5.00 |

¹Estimated concentration value greater than standard range.

²Estimated concentration value greater than standard range.

³Estimated concentration value greater than standard range.

⁴Estimated concentration value greater than standard range.

⁵Estimated concentration value greater than standard range.

⁶8270 Only - Two basic surrogates are out of control limits. The other basic surrogate shows extraction was performed properly.

⁷8270 Only - Two basic surrogates are out of control limits. The other basic surrogate shows extraction was performed properly.

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| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|---------------|------|--------|-------|----------|--------------|------------------|-----------------|
| n-Triacontane | 8 | 81.1 | mg/L | 5 | 10.0 | 811 | 70 - 130 |

Sample: 208313 - MW-6

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 63150
Prep Batch: 53904

Analytical Method: S 8015B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------------|------|--------|-------|--------------|------------------|
| GRO | | 101 | mg/L | 50 | 0.100 |
| Surrogate | Flag | Result | Units | Spike Amount | Percent Recovery |
| Trifluorotoluene (TFT) | | 4.42 | mg/L | 50 | 5.00 |
| 4-Bromofluorobenzene (4-BFB) | | 4.31 | mg/L | 50 | 5.00 |
| | | | | | 88 |
| | | | | | 86 |
| | | | | | 70 - 130 |
| | | | | | 70 - 130 |

Sample: 208314 - MW-7

Laboratory: Midland
Analysis: BTEX
QC Batch: 63151
Prep Batch: 53904

Analytical Method: S 8021B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------------|------|--------|-------|--------------|------------------|
| Benzene | | 15.3 | mg/L | 100 | 0.00100 |
| Toluene | | 11.6 | mg/L | 100 | 0.00100 |
| Ethylbenzene | | 2.19 | mg/L | 100 | 0.00100 |
| Xylene | | 5.29 | mg/L | 100 | 0.00100 |
| Surrogate | Flag | Result | Units | Spike Amount | Percent Recovery |
| Trifluorotoluene (TFT) | | 9.16 | mg/L | 100 | 10.0 |
| 4-Bromofluorobenzene (4-BFB) | | 6.95 | mg/L | 100 | 10.0 |
| | | | | | 92 |
| | | | | | 70 |
| | | | | | 87 - 105.2 |
| | | | | | 49.8 - 130.8 |

Sample: 208314 - MW-7

Laboratory: Lubbock
Analysis: PAH
QC Batch: 63320
Prep Batch: 54047

Analytical Method: S 8270C
Date Analyzed: 2009-09-08
Sample Preparation: 2009-09-03

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

⁸High surrogate recovery due to peak interference.

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| Parameter | Flag | RL Result | Units | Dilution | RL |
|------------------------|------|---------------|-------|----------|----------|
| Naphthalene | 9 | 1.36 | mg/L | 4.695 | 0.000200 |
| 2-Methylnaphthalene | 10 | 3.48 | mg/L | 4.695 | 0.000200 |
| 1-Methylnaphthalene | 11 | 2.90 | 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 | | 0.193 | mg/L | 4.695 | 0.000200 |
| Fluorene | | 0.313 | mg/L | 4.695 | 0.000200 |
| Anthracene | | <0.000939 | mg/L | 4.695 | 0.000200 |
| Phenanthrene | | 0.337 | mg/L | 4.695 | 0.000200 |
| Fluoranthene | | <0.000939 | mg/L | 4.695 | 0.000200 |
| Pyrene | | <0.000939 | mg/L | 4.695 | 0.000200 |
| Benzo(a)anthracene | | <0.000939 | mg/L | 4.695 | 0.000200 |
| Chrysene | | 0.0408 | 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 | | 0.0608 | mg/L | 4.695 | 0.0800 | 76 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0375 | mg/L | 4.695 | 0.0800 | 47 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0378 | mg/L | 4.695 | 0.0800 | 47 | 37.7 - 114 |

Sample: 208314 - MW-7

Laboratory: Midland

Analysis: TPH DRO

QC Batch: 63005

Prep Batch: 53766

Analytical Method: Mod. 8015B

Date Analyzed: 2009-08-28

Sample Preparation: 2009-08-28

Prep Method: N/A

Analyzed By: kg

Prepared By: kg

| Parameter | Flag | RL Result | Units | Dilution | RL |
|-----------|------|--------------|-------|----------|------|
| DRO | | 920 | mg/L | 5 | 5.00 |

continued . . .

⁹Estimated concentration value greater than standard range.

¹⁰Estimated concentration value greater than standard range.

¹¹Estimated concentration value greater than standard range.

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sample continued ...

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|---------------|---------------|--------|-------|----------|--------------|------------------|-----------------|
| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
| n-Triacontane | ¹² | 95.5 | mg/L | 5 | 10.0 | 955 | 70 - 130 |

Sample: 208314 - MW-7

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 63150
Prep Batch: 53904

Analytical Method: S 8015B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|-----------|------|--------|-------|----------|-------|
| GRO | | 85.9 | mg/L | 100 | 0.100 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 8.70 | mg/L | 100 | 10.0 | 87 | 70 - 130 |
| 4-Bromofluorobenzene (4-BFB) | | 7.73 | mg/L | 100 | 10.0 | 77 | 70 - 130 |

Sample: 208315 - MW-8

Laboratory: Midland
Analysis: BTEX
QC Batch: 63151
Prep Batch: 53904

Analytical Method: S 8021B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|--------|-------|----------|---------|
| Benzene | | 17.2 | mg/L | 100 | 0.00100 |
| Toluene | | 11.3 | mg/L | 100 | 0.00100 |
| Ethylbenzene | | 2.17 | mg/L | 100 | 0.00100 |
| Xylene | | 4.98 | mg/L | 100 | 0.00100 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 9.04 | mg/L | 100 | 10.0 | 90 | 87 - 105.2 |
| 4-Bromofluorobenzene (4-BFB) | | 6.82 | mg/L | 100 | 10.0 | 68 | 49.8 - 130.8 |

¹²High surrogate recovery due to peak interference.

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Sample: 208315 - MW-8

Laboratory: Lubbock
Analysis: PAH
QC Batch: 63320
Prep Batch: 54047

Analytical Method: S 8270C
Date Analyzed: 2009-09-08
Sample Preparation: 2009-09-03

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------|------|---------------|-------|----------|----------|
| Naphthalene | 13 | 2.48 | mg/L | 4.651 | 0.000200 |
| 2-Methylnaphthalene | 14 | 6.05 | mg/L | 4.651 | 0.000200 |
| 1-Methylnaphthalene | 15 | 5.20 | mg/L | 4.651 | 0.000200 |
| Acenaphthylene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Acenaphthene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Dibenzofuran | | 0.331 | mg/L | 4.651 | 0.000200 |
| Fluorene | 16 | 0.525 | mg/L | 4.651 | 0.000200 |
| Anthracene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Phenanthrene | 17 | 0.540 | mg/L | 4.651 | 0.000200 |
| Fluoranthene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Pyrene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Benzo(a)anthracene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Chrysene | | 0.0562 | mg/L | 4.651 | 0.000200 |
| Benzo(b)fluoranthene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Benzo(k)fluoranthene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Benzo(a)pyrene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Indeno(1,2,3-cd)pyrene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Dibenzo(a,h)anthracene | | <0.000930 | mg/L | 4.651 | 0.000200 |
| Benzo(g,h,i)perylene | | <0.000930 | mg/L | 4.651 | 0.000200 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Nitrobenzene-d5 | 18 | 0.0990 | mg/L | 4.651 | 0.0800 | 124 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0387 | mg/L | 4.651 | 0.0800 | 48 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0376 | mg/L | 4.651 | 0.0800 | 47 | 37.7 - 114 |

Sample: 208315 - MW-8

Laboratory: Midland
Analysis: TPH DRO
QC Batch: 63005
Prep Batch: 53766

Analytical Method: Mod. 8015B
Date Analyzed: 2009-08-28
Sample Preparation: 2009-08-28

Prep Method: N/A
Analyzed By: kg
Prepared By: kg

| Parameter | Flag | Result | Units | Dilution | RL |
|-----------|------|------------|-------|----------|------|
| DRO | | 851 | mg/L | 5 | 5.00 |

¹³Estimated concentration value greater than standard range.

¹⁴Estimated concentration value greater than standard range.

¹⁵Estimated concentration value greater than standard range.

¹⁶Estimated concentration value greater than standard range.

¹⁷Estimated concentration value greater than standard range.

¹⁸8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

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| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|---------------|---------------|--------|-------|----------|--------------|------------------|-----------------|
| n-Triacontane | ¹⁹ | 77.8 | mg/L | 5 | 10.0 | 778 | 70 - 130 |

Sample: 208315 - MW-8

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 63150
Prep Batch: 53904

Analytical Method: S 8015B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL | | |
|------------------------------|------|-------------|-------|--------------|------------------|-----------------|----------|
| GRO | | 87.6 | mg/L | 100 | 0.100 | | |
| Surrogate | Flag | Result | Units | Spike Amount | Percent Recovery | Recovery Limits | |
| Trifluorotoluene (TFT) | | 8.59 | mg/L | 100 | 10.0 | 86 | 70 - 130 |
| 4-Bromofluorobenzene (4-BFB) | | 6.96 | mg/L | 100 | 10.0 | 70 | 70 - 130 |

Sample: 208316 - MW-9

Laboratory: Midland
Analysis: BTEX
QC Batch: 63151
Prep Batch: 53904

Analytical Method: S 8021B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL | | |
|------------------------------|------|-------------|-------|--------------|------------------|-----------------|--------------|
| Benzene | | 17.1 | mg/L | 100 | 0.00100 | | |
| Toluene | | 9.38 | mg/L | 100 | 0.00100 | | |
| Ethylbenzene | | 1.78 | mg/L | 100 | 0.00100 | | |
| Xylene | | 4.35 | mg/L | 100 | 0.00100 | | |
| Surrogate | Flag | Result | Units | Spike Amount | Percent Recovery | Recovery Limits | |
| Trifluorotoluene (TFT) | | 8.99 | mg/L | 100 | 10.0 | 90 | 87 - 105.2 |
| 4-Bromofluorobenzene (4-BFB) | | 7.12 | mg/L | 100 | 10.0 | 71 | 49.8 - 130.8 |

Sample: 208316 - MW-9

Laboratory: Lubbock
Analysis: PAH
QC Batch: 63320
Prep Batch: 54047

Analytical Method: S 8270C
Date Analyzed: 2009-09-08
Sample Preparation: 2009-09-03

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

¹⁹High surrogate recovery due to peak interference.

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------|---------------|---------------|-------|----------|----------|
| Naphthalene | ²⁰ | 4.14 | mg/L | 9.39 | 0.000200 |
| 2-Methylnaphthalene | ²¹ | 10.6 | mg/L | 9.39 | 0.000200 |
| 1-Methylnaphthalene | ²² | 8.72 | 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 | | 0.414 | mg/L | 9.39 | 0.000200 |
| Fluorene | | 0.708 | mg/L | 9.39 | 0.000200 |
| Anthracene | | <0.00188 | mg/L | 9.39 | 0.000200 |
| Phenanthrene | | 0.896 | 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 | | 0.0960 | 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 | ²³ | 0.176 | mg/L | 9.39 | 0.0800 | 220 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0642 | mg/L | 9.39 | 0.0800 | 80 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0849 | mg/L | 9.39 | 0.0800 | 106 | 37.7 - 114 |

Sample: 208316 - MW-9

| | | | | | |
|-------------|---------|---------------------|------------|--------------|-----|
| Laboratory: | Midland | Analytical Method: | Mod. 8015B | Prep Method: | N/A |
| Analysis: | TPH DRO | Date Analyzed: | 2009-08-28 | Analyzed By: | kg |
| QC Batch: | 63005 | Sample Preparation: | 2009-08-28 | Prepared By: | kg |
| Prep Batch: | 53766 | | | | |

| Parameter | Flag | Result | Units | Dilution | RL |
|-----------|------|-------------|-------|----------|------|
| DRO | | 82.5 | mg/L | 1 | 5.00 |

²⁰Estimated concentration value greater than standard range.

²¹Estimated concentration value greater than standard range.

²²Estimated concentration value greater than standard range.

²³8270 Only - One basic surrogate is out of control limits. The other two basic surrogates show extraction was performed properly.

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| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|---------------|------|--------|-------|----------|--------------|------------------|-----------------|
| n-Triacontane | 24 | 16.1 | mg/L | 1 | 10.0 | 161 | 70 - 130 |

Sample: 208316 - MW-9

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 63150
Prep Batch: 53904

Analytical Method: S 8015B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------------|------|--------|-------|--------------|------------------|
| GRO | | 75.7 | mg/L | 100 | 0.100 |
| Surrogate | Flag | Result | Units | Spike Amount | Percent Recovery |
| Trifluorotoluene (TFT) | | 8.84 | mg/L | 100 | 10.0 |
| 4-Bromofluorobenzene (4-BFB) | | 7.48 | mg/L | 100 | 10.0 |
| | | | | | 88 |
| | | | | | 75 |
| | | | | | 70 - 130 |
| | | | | | 70 - 130 |

Sample: 208317 - MW-10

Laboratory: Midland
Analysis: BTEX
QC Batch: 63151
Prep Batch: 53904

Analytical Method: S 8021B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | 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 | Spike Amount | Percent Recovery |
| Trifluorotoluene (TFT) | | 0.0908 | mg/L | 1 | 0.100 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0614 | mg/L | 1 | 0.100 |
| | | | | | 91 |
| | | | | | 61 |
| | | | | | 87 - 105.2 |
| | | | | | 49.8 - 130.8 |

Sample: 208317 - MW-10

Laboratory: Lubbock
Analysis: PAH
QC Batch: 63320
Prep Batch: 54047

Analytical Method: S 8270C
Date Analyzed: 2009-09-08
Sample Preparation: 2009-09-03

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

²⁴High surrogate recovery due to peak interference.

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| Parameter | Flag | 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 |
| 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 | | 0.0540 | mg/L | 0.935 | 0.0800 | 68 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0527 | mg/L | 0.935 | 0.0800 | 66 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0600 | mg/L | 0.935 | 0.0800 | 75 | 37.7 - 114 |

Sample: 208318 - MW-12

Laboratory: Midland
Analysis: BTEX
QC Batch: 63151
Prep Batch: 53904

Analytical Method: S 8021B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|---------|-------|----------|---------|
| Benzene | | 5.28 | mg/L | 20 | 0.00100 |
| Toluene | | <0.0200 | mg/L | 20 | 0.00100 |
| Ethylbenzene | | <0.0200 | mg/L | 20 | 0.00100 |
| Xylene | | 0.457 | mg/L | 20 | 0.00100 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 1.82 | mg/L | 20 | 2.00 | 91 | 87 - 105.2 |

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sample continued ...

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| 4-Bromofluorobenzene (4-BFB) | | 1.33 | mg/L | 20 | 2.00 | 66 | 49.8 - 130.8 |

Sample: 208318 - MW-12

Laboratory: Lubbock
Analysis: PAH
QC Batch: 63320
Prep Batch: 54047

Analytical Method: S 8270C
Date Analyzed: 2009-09-08
Sample Preparation: 2009-09-03

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------|------|-----------|-------|----------|----------|
| Naphthalene | | 0.00330 | mg/L | 0.926 | 0.000200 |
| 2-Methylnaphthalene | B | 0.00375 | mg/L | 0.926 | 0.000200 |
| 1-Methylnaphthalene | | 0.00848 | 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 | | 0.000328 | 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 | | 0.0294 | mg/L | 0.926 | 0.0800 | 37 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0327 | mg/L | 0.926 | 0.0800 | 41 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0446 | mg/L | 0.926 | 0.0800 | 56 | 37.7 - 114 |

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Sample: 208319 - MW-13

Laboratory: Midland
Analysis: BTEX
QC Batch: 63151
Prep Batch: 53904

Analytical Method: S 8021B
Date Analyzed: 2009-09-01
Sample Preparation: 2009-09-01

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | 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) | | 0.0920 | mg/L | 1 | 0.100 | 92 | 87 - 105.2 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0635 | mg/L | 1 | 0.100 | 64 | 49.8 - 130.8 |

Sample: 208319 - MW-13

Laboratory: Lubbock
Analysis: PAH
QC Batch: 63320
Prep Batch: 54047

Analytical Method: S 8270C
Date Analyzed: 2009-09-08
Sample Preparation: 2009-09-03

Prep Method: S 3510C
Analyzed By: MN
Prepared By: MN

| Parameter | Flag | Result | Units | Dilution | RL |
|------------------------|------|-----------|-------|----------|----------|
| Naphthalene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| 2-Methylnaphthalene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| 1-Methylnaphthalene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Acenaphthylene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Acenaphthene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Dibenzofuran | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Fluorene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Anthracene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Phenanthrene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Fluoranthene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Pyrene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Benzo(a)anthracene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Chrysene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Benzo(b)fluoranthene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Benzo(k)fluoranthene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Benzo(a)pyrene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Indeno(1,2,3-cd)pyrene | | <0.000188 | mg/L | 0.939 | 0.000200 |
| Dibenzo(a,h)anthracene | | <0.000188 | mg/L | 0.939 | 0.000200 |

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| Parameter | Flag | Result | Units | Dilution | RL |
|----------------------|------|-----------|-------|----------|----------|
| Benzo(g,h,i)perylene | | <0.000188 | mg/L | 0.939 | 0.000200 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Nitrobenzene-d5 | | 0.0462 | mg/L | 0.939 | 0.0800 | 58 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0463 | mg/L | 0.939 | 0.0800 | 58 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0582 | mg/L | 0.939 | 0.0800 | 73 | 37.7 - 114 |

Method Blank (1) QC Batch: 63005

QC Batch: 63005 Date Analyzed: 2009-08-28 Analyzed By: kg
Prep Batch: 53766 QC Preparation: 2009-08-28 Prepared By: kg

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

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|---------------|------|--------|-------|----------|--------------|------------------|-----------------|
| n-Triacontane | | 11.6 | mg/L | 1 | 10.0 | 116 | 70 - 160 |

Method Blank (1) QC Batch: 63150

QC Batch: 63150 Date Analyzed: 2009-09-01 Analyzed By: AG
Prep Batch: 53904 QC Preparation: 2009-09-01 Prepared By: AG

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

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 0.0921 | mg/L | 1 | 0.100 | 92 | 70 - 130 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0819 | mg/L | 1 | 0.100 | 82 | 70 - 130 |

Method Blank (1) QC Batch: 63151

QC Batch: 63151 Date Analyzed: 2009-09-01 Analyzed By: AG
Prep Batch: 53904 QC Preparation: 2009-09-01 Prepared By: AG

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| 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) | | 0.0964 | mg/L | 1 | 0.100 | 96 | 85.4 - 105.2 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0805 | mg/L | 1 | 0.100 | 80 | 52.8 - 124.2 |

Method Blank (1) QC Batch: 63169

QC Batch: 63169
Prep Batch: 53918

Date Analyzed: 2009-09-02
QC Preparation: 2009-08-27

Analyzed By: MN
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 | | 0.0225 | mg/L | 1 | 0.0800 | 28 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0234 | mg/L | 1 | 0.0800 | 29 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0392 | mg/L | 1 | 0.0800 | 49 | 37.7 - 114 |

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Method Blank (1) QC Batch: 63320

QC Batch: 63320
Prep Batch: 54047

Date Analyzed: 2009-09-08
QC Preparation: 2009-09-03

Analyzed By: MN
Prepared By: MN

| Parameter | Flag | MDL | Result | Units | RL |
|------------------------|------|------------|--------|-------|--------|
| Naphthalene | | <0.0000784 | | mg/L | 0.0002 |
| 2-Methylnaphthalene | | 0.000415 | | 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 | | 0.0426 | mg/L | 1 | 0.0800 | 53 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | | 0.0369 | mg/L | 1 | 0.0800 | 46 | 13.9 - 100 |
| Terphenyl-d14 | | 0.0567 | mg/L | 1 | 0.0800 | 71 | 37.7 - 114 |

Laboratory Control Spike (LCS-1)

QC Batch: 63005
Prep Batch: 53766

Date Analyzed: 2009-08-28
QC Preparation: 2009-08-28

Analyzed By: kg
Prepared By: kg

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Limit |
|-------|------------|-------|------|--------------|---------------|------|----------|
| DRO | 20.3 | mg/L | 1 | 25.0 | <0.801 | 81 | 70 - 130 |

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

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control spikes continued ...

| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
|-------|-------------|-------|------|--------------|---------------|------|------------|-----|-----------|
| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit | RPD | RPD Limit |
| DRO | 21.5 | mg/L | 1 | 25.0 | <0.801 | 86 | 70 - 130 | 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 |
|---------------|------------|-------------|-------|------|--------------|----------|-----------|------------|
| n-Triacontane | 11.0 | 9.71 | mg/L | 1 | 10.0 | 110 | 97 | 70 - 130 |

Laboratory Control Spike (LCS-1)

QC Batch: 63150 Date Analyzed: 2009-09-01 Analyzed By: AG
Prep Batch: 53904 QC Preparation: 2009-09-01 Prepared By: AG

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-------|------------|-------|------|--------------|---------------|------|------------|
| GRO | 0.721 | mg/L | 1 | 1.00 | <0.0351 | 72 | 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. | RPD | RPD Limit |
|-------|-------------|-------|------|--------------|---------------|------|----------|-----------|
| GRO | 25 0.667 | mg/L | 1 | 1.00 | <0.0351 | 67 | 70 - 130 | 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) | 0.0962 | 0.0954 | mg/L | 1 | 0.100 | 96 | 95 | 70 - 130 |
| 4-Bromofluorobenzene (4-BFB) | 0.0863 | 0.0839 | mg/L | 1 | 0.100 | 86 | 84 | 70 - 130 |

Laboratory Control Spike (LCS-1)

QC Batch: 63151 Date Analyzed: 2009-09-01 Analyzed By: AG
Prep Batch: 53904 QC Preparation: 2009-09-01 Prepared By: AG

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|------------|-------|------|--------------|---------------|------|--------------|
| Benzene | 0.0932 | mg/L | 1 | 0.100 | <0.00110 | 93 | 74.3 - 123.4 |
| Toluene | 0.0920 | mg/L | 1 | 0.100 | <0.00100 | 92 | 70.1 - 126.2 |
| Ethylbenzene | 0.0883 | mg/L | 1 | 0.100 | <0.00100 | 88 | 68.6 - 124.7 |

continued ...

²⁵LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

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control spikes continued ...

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------|---------------|-------|------|-----------------|------------------|------|---------------|
| Xylene | 0.247 | mg/L | 1 | 0.300 | <0.00290 | 82 | 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 Limit | |
|--------------|----------------|-------|------|-----------------|------------------|------|---------------|--------------|----|
| Benzene | 0.0939 | mg/L | 1 | 0.100 | <0.00110 | 94 | 74.3 - 123.4 | 1 | 20 |
| Toluene | 0.0933 | mg/L | 1 | 0.100 | <0.00100 | 93 | 70.1 - 126.2 | 1 | 20 |
| Ethylbenzene | 0.0922 | mg/L | 1 | 0.100 | <0.00100 | 92 | 68.6 - 124.7 | 4 | 20 |
| Xylene | 0.260 | mg/L | 1 | 0.300 | <0.00290 | 87 | 64.8 - 127.2 | 5 | 20 |

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

| Surrogate | LCS Result | LCSD Result | Units | Dil. | Spike Amount | LCS Rec. | LCSD Rec. | Rec. Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Trifluorotoluene (TFT) | 0.0972 | 0.0966 | mg/L | 1 | 0.100 | 97 | 97 | 84.8 - 110.8 |
| 4-Bromofluorobenzene (4-BFB) | 0.0825 | 0.0837 | mg/L | 1 | 0.100 | 82 | 84 | 51.7 - 134.7 |

Laboratory Control Spike (LCS-1)

QC Batch: 63169 Date Analyzed: 2009-09-02 Analyzed By: MN
Prep Batch: 53918 QC Preparation: 2009-08-27 Prepared By: MN

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|------------------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Naphthalene | 0.0271 | mg/L | 1 | 0.0800 | <0.0000784 | 34 | 22.2 - 87.9 |
| 2-Methylnaphthalene | 0.0333 | mg/L | 1 | 0.0800 | <0.0000747 | 42 | 23.3 - 86.1 |
| 1-Methylnaphthalene | 0.0348 | mg/L | 1 | 0.0800 | <0.0000575 | 44 | 24.6 - 87.8 |
| Acenaphthylene | 0.0403 | mg/L | 1 | 0.0800 | <0.0000963 | 50 | 27.4 - 114 |
| Acenaphthene | 0.0409 | mg/L | 1 | 0.0800 | <0.0000617 | 51 | 27.2 - 111 |
| Dibenzofuran | 0.0389 | mg/L | 1 | 0.0800 | <0.0000952 | 49 | 27.3 - 100 |
| Fluorene | 0.0488 | mg/L | 1 | 0.0800 | <0.000134 | 61 | 31.5 - 122 |
| Anthracene | 0.0513 | mg/L | 1 | 0.0800 | <0.000441 | 64 | 32.4 - 115 |
| Phenanthrene | 0.0493 | mg/L | 1 | 0.0800 | <0.000435 | 62 | 34.2 - 111 |
| Fluoranthene | 0.0558 | mg/L | 1 | 0.0800 | <0.000476 | 70 | 40.1 - 114 |
| Pyrene | 0.0485 | mg/L | 1 | 0.0800 | <0.000590 | 61 | 39.2 - 124 |
| Benzo(a)anthracene | 0.0481 | mg/L | 1 | 0.0800 | <0.000118 | 60 | 39.4 - 114 |
| Chrysene | 0.0514 | mg/L | 1 | 0.0800 | <0.0000766 | 64 | 38.2 - 116 |
| Benzo(b)fluoranthene | 0.0506 | mg/L | 1 | 0.0800 | <0.000146 | 63 | 34.5 - 118 |
| Benzo(k)fluoranthene | 0.0629 | mg/L | 1 | 0.0800 | <0.000141 | 79 | 38.7 - 133 |
| Benzo(a)pyrene | 0.0659 | mg/L | 1 | 0.0800 | <0.000132 | 82 | 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 | 0.0590 | 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.

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| Param | LCSD Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit | RPD RPD | RPD Limit |
|------------------------|----------------|-------|------|-----------------|------------------|--------------|---------------|------------|--------------|
| Naphthalene | 0.0265 | mg/L | 1 | 0.0800 | <0.0000784 | 33 | 22.2 - 87.9 | 2 | 20 |
| 2-Methylnaphthalene | 0.0332 | mg/L | 1 | 0.0800 | <0.0000747 | 42 | 23.3 - 86.1 | 0 | 20 |
| 1-Methylnaphthalene | 0.0344 | mg/L | 1 | 0.0800 | <0.0000575 | 43 | 24.6 - 87.8 | 1 | 20 |
| Acenaphthylene | 0.0392 | mg/L | 1 | 0.0800 | <0.0000963 | 49 | 27.4 - 114 | 3 | 20 |
| Acenaphthene | 0.0397 | mg/L | 1 | 0.0800 | <0.0000617 | 50 | 27.2 - 111 | 3 | 20 |
| Dibenzofuran | 0.0375 | mg/L | 1 | 0.0800 | <0.0000952 | 47 | 27.3 - 100 | 4 | 20 |
| Fluorene | 0.0468 | mg/L | 1 | 0.0800 | <0.000134 | 58 | 31.5 - 122 | 4 | 20 |
| Anthracene | 0.0504 | mg/L | 1 | 0.0800 | <0.000441 | 63 | 32.4 - 115 | 2 | 20 |
| Phenanthrene | 0.0487 | mg/L | 1 | 0.0800 | <0.000435 | 61 | 34.2 - 111 | 1 | 20 |
| Fluoranthene | 0.0552 | mg/L | 1 | 0.0800 | <0.000476 | 69 | 40.1 - 114 | 1 | 20 |
| Pyrene | 0.0482 | mg/L | 1 | 0.0800 | <0.000590 | 60 | 39.2 - 124 | 1 | 20 |
| Benzo(a)anthracene | 0.0482 | mg/L | 1 | 0.0800 | <0.000118 | 60 | 39.4 - 114 | 0 | 20 |
| Chrysene | 0.0508 | mg/L | 1 | 0.0800 | <0.0000766 | 64 | 38.2 - 116 | 1 | 20 |
| Benzo(b)fluoranthene | 0.0531 | mg/L | 1 | 0.0800 | <0.000146 | 66 | 34.5 - 118 | 5 | 20 |
| Benzo(k)fluoranthene | 0.0678 | mg/L | 1 | 0.0800 | <0.000141 | 85 | 38.7 - 133 | 8 | 20 |
| Benzo(a)pyrene | 0.0646 | mg/L | 1 | 0.0800 | <0.000132 | 81 | 38 - 134 | 2 | 20 |
| Indeno(1,2,3-cd)pyrene | 0.0556 | mg/L | 1 | 0.0800 | <0.0000702 | 70 | 34.6 - 124 | 4 | 20 |
| Dibenzo(a,h)anthracene | 0.0563 | mg/L | 1 | 0.0800 | <0.0000534 | 70 | 33.9 - 120 | 5 | 20 |
| Benzo(g,h,i)perylene | 0.0552 | mg/L | 1 | 0.0800 | <0.0000473 | 69 | 33.8 - 138 | 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 |
|------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Nitrobenzene-d5 | 0.0273 | 0.0286 | mg/L | 1 | 0.0800 | 34 | 36 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | 0.0319 | 0.0307 | mg/L | 1 | 0.0800 | 40 | 38 | 13.9 - 100 |
| Terphenyl-d14 | 0.0489 | 0.0485 | mg/L | 1 | 0.0800 | 61 | 61 | 37.7 - 114 |

Laboratory Control Spike (LCS-1)

QC Batch: 63320
Prep Batch: 54047

Date Analyzed: 2009-09-08
QC Preparation: 2009-09-03

Analyzed By: MN
Prepared By: MN

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. Rec. | Rec. Limit |
|---------------------|---------------|-------|------|-----------------|------------------|--------------|---------------|
| Naphthalene | 0.0357 | mg/L | 1 | 0.0800 | <0.0000784 | 45 | 22.2 - 87.9 |
| 2-Methylnaphthalene | 0.0393 | mg/L | 1 | 0.0800 | 0.000415 | 49 | 23.3 - 86.1 |
| 1-Methylnaphthalene | 0.0395 | mg/L | 1 | 0.0800 | <0.0000575 | 49 | 24.6 - 87.8 |
| Acenaphthylene | 0.0445 | mg/L | 1 | 0.0800 | <0.0000963 | 56 | 27.4 - 114 |
| Acenaphthene | 0.0447 | mg/L | 1 | 0.0800 | <0.0000617 | 56 | 27.2 - 111 |
| Dibenzofuran | 0.0412 | mg/L | 1 | 0.0800 | <0.0000952 | 52 | 27.3 - 100 |
| Fluorene | 0.0521 | mg/L | 1 | 0.0800 | <0.000134 | 65 | 31.5 - 122 |
| Anthracene | 0.0580 | mg/L | 1 | 0.0800 | <0.000441 | 72 | 32.4 - 115 |
| Phenanthrene | 0.0552 | mg/L | 1 | 0.0800 | <0.000435 | 69 | 34.2 - 111 |
| Fluoranthene | 0.0640 | mg/L | 1 | 0.0800 | <0.000476 | 80 | 40.1 - 114 |

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| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|------------------------|------------|-------|------|--------------|---------------|------|------------|
| Pyrene | 0.0553 | mg/L | 1 | 0.0800 | <0.0000590 | 69 | 39.2 - 124 |
| Benzo(a)anthracene | 0.0533 | mg/L | 1 | 0.0800 | <0.000118 | 67 | 39.4 - 114 |
| Chrysene | 0.0579 | mg/L | 1 | 0.0800 | <0.0000766 | 72 | 38.2 - 116 |
| Benzo(b)fluoranthene | 0.0622 | mg/L | 1 | 0.0800 | <0.000146 | 78 | 34.5 - 118 |
| Benzo(k)fluoranthene | 0.0724 | mg/L | 1 | 0.0800 | <0.000141 | 90 | 38.7 - 133 |
| Benzo(a)pyrene | 0.0759 | mg/L | 1 | 0.0800 | <0.000132 | 95 | 38 - 134 |
| Indeno(1,2,3-cd)pyrene | 0.0635 | mg/L | 1 | 0.0800 | <0.0000702 | 79 | 34.6 - 124 |
| Dibenzo(a,h)anthracene | 0.0629 | mg/L | 1 | 0.0800 | <0.0000534 | 79 | 33.9 - 120 |
| Benzo(g,h,i)perylene | 0.0616 | mg/L | 1 | 0.0800 | <0.0000473 | 77 | 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 | 0.0365 | mg/L | 1 | 0.0800 | <0.0000784 | 46 | 22.2 - 87.9 | 2 | 20 |
| 2-Methylnaphthalene | 0.0399 | mg/L | 1 | 0.0800 | 0.000415 | 49 | 23.3 - 86.1 | 2 | 20 |
| 1-Methylnaphthalene | 0.0409 | mg/L | 1 | 0.0800 | <0.0000575 | 51 | 24.6 - 87.8 | 4 | 20 |
| Acenaphthylene | 0.0462 | mg/L | 1 | 0.0800 | <0.0000963 | 58 | 27.4 - 114 | 4 | 20 |
| Acenaphthene | 0.0463 | mg/L | 1 | 0.0800 | <0.0000617 | 58 | 27.2 - 111 | 4 | 20 |
| Dibenzofuran | 0.0430 | mg/L | 1 | 0.0800 | <0.0000952 | 54 | 27.3 - 100 | 4 | 20 |
| Fluorene | 0.0548 | mg/L | 1 | 0.0800 | <0.000134 | 68 | 31.5 - 122 | 5 | 20 |
| Anthracene | 0.0611 | mg/L | 1 | 0.0800 | <0.000441 | 76 | 32.4 - 115 | 5 | 20 |
| Phenanthrene | 0.0563 | mg/L | 1 | 0.0800 | <0.000435 | 70 | 34.2 - 111 | 2 | 20 |
| Fluoranthene | 0.0653 | mg/L | 1 | 0.0800 | <0.000476 | 82 | 40.1 - 114 | 2 | 20 |
| Pyrene | 0.0569 | mg/L | 1 | 0.0800 | <0.000590 | 71 | 39.2 - 124 | 3 | 20 |
| Benzo(a)anthracene | 0.0552 | mg/L | 1 | 0.0800 | <0.000118 | 69 | 39.4 - 114 | 4 | 20 |
| Chrysene | 0.0590 | mg/L | 1 | 0.0800 | <0.0000766 | 74 | 38.2 - 116 | 2 | 20 |
| Benzo(b)fluoranthene | 0.0654 | mg/L | 1 | 0.0800 | <0.000146 | 82 | 34.5 - 118 | 5 | 20 |
| Benzo(k)fluoranthene | 0.0796 | mg/L | 1 | 0.0800 | <0.000141 | 100 | 38.7 - 133 | 10 | 20 |
| Benzo(a)pyrene | 0.0796 | mg/L | 1 | 0.0800 | <0.000132 | 100 | 38 - 134 | 5 | 20 |
| Indeno(1,2,3-cd)pyrene | 0.0650 | mg/L | 1 | 0.0800 | <0.0000702 | 81 | 34.6 - 124 | 2 | 20 |
| Dibenzo(a,h)anthracene | 0.0653 | mg/L | 1 | 0.0800 | <0.0000534 | 82 | 33.9 - 120 | 4 | 20 |
| Benzo(g,h,i)perylene | 0.0640 | mg/L | 1 | 0.0800 | <0.0000473 | 80 | 33.8 - 138 | 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 |
|------------------|------------|-------------|-------|------|--------------|----------|-----------|-------------|
| Nitrobenzene-d5 | 0.0410 | 0.0383 | mg/L | 1 | 0.0800 | 51 | 48 | 25.9 - 97.5 |
| 2-Fluorobiphenyl | 0.0384 | 0.0399 | mg/L | 1 | 0.0800 | 48 | 50 | 13.9 - 100 |
| Terphenyl-d14 | 0.0570 | 0.0586 | mg/L | 1 | 0.0800 | 71 | 73 | 37.7 - 114 |

Matrix Spike (MS-1) Spiked Sample: 208309

QC Batch: 63005
Prep Batch: 53766

Date Analyzed: 2009-08-28
QC Preparation: 2009-08-28

Analyzed By: kg
Prepared By: kg

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| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-------|-------------------|-------|------|--------------|---------------|------|------------|
| DRO | ²⁶ 195 | mg/L | 1 | 25.0 | 162 | 132 | 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 | 186 | mg/L | 1 | 25.0 | 162 | 96 | 70 - 130 | 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. | Rec. Limit |
|---------------|----------------------------------|------------|-------|------|--------------|---------|----------|----------|------------|
| n-Triacontane | ²⁷ ²⁸ 17.5 | 15.0 | mg/L | 1 | 10 | 175 | 150 | 70 - 130 | |

Matrix Spike (MS-1) Spiked Sample: 208316

QC Batch: 63150 Date Analyzed: 2009-09-01 Analyzed By: AG
Prep Batch: 53904 QC Preparation: 2009-09-01 Prepared By: AG

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|-------|-----------|-------|------|--------------|---------------|------|------------|
| GRO | 160 | mg/L | 100 | 100 | 75.7 | 84 | 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 |
|-------|------------|-------|------|--------------|---------------|------|------------|-----|-----------|
| GRO | 159 | mg/L | 100 | 100 | 75.7 | 83 | 70 - 130 | 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. | Rec. Limit |
|------------------------------|-----------|------------|-------|------|--------------|---------|----------|----------|------------|
| Trifluorotoluene (TFT) | 8.84 | 8.78 | mg/L | 100 | 10 | 88 | 88 | 70 - 130 | |
| 4-Bromofluorobenzene (4-BFB) | 8.11 | 8.16 | mg/L | 100 | 10 | 81 | 82 | 70 - 130 | |

Matrix Spike (MS-1) Spiked Sample: 208624

QC Batch: 63151 Date Analyzed: 2009-09-01 Analyzed By: AG
Prep Batch: 53904 QC Preparation: 2009-09-01 Prepared By: AG

continued ...

²⁶ Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

²⁷ High surrogate recovery due to peak interference.

²⁸ High surrogate recovery due to peak interference.

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matrix spikes continued ...

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|-----------|-------|------|--------------|---------------|------|--------------|
| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
| Benzene | 0.0829 | mg/L | 1 | 0.100 | <0.00110 | 83 | 61 - 130 |
| Toluene | 0.0806 | mg/L | 1 | 0.100 | <0.00100 | 81 | 69.2 - 121.4 |
| Ethylbenzene | 0.0756 | mg/L | 1 | 0.100 | <0.00100 | 76 | 56.3 - 124.9 |
| Xylene | 0.208 | mg/L | 1 | 0.300 | <0.00290 | 69 | 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 | 0.0844 | mg/L | 1 | 0.100 | <0.00110 | 84 | 61 - 130 | 2 | 20 |
| Toluene | 0.0829 | mg/L | 1 | 0.100 | <0.00100 | 83 | 69.2 - 121.4 | 3 | 20 |
| Ethylbenzene | 0.0805 | mg/L | 1 | 0.100 | <0.00100 | 80 | 56.3 - 124.9 | 6 | 20 |
| Xylene | 0.225 | mg/L | 1 | 0.300 | <0.00290 | 75 | 60.2 - 122.9 | 8 | 20 |

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

| Surrogate | MS Result | MSD Result | Units | Dil. | Spike Amount | MS Rec. | MSD Rec. | Rec. | Rec. Limit |
|------------------------------|-----------|------------|-------|------|--------------|---------|----------|--------------|------------|
| Trifluorotoluene (TFT) | 0.0925 | 0.0926 | mg/L | 1 | 0.1 | 92 | 93 | 85.6 - 108.1 | |
| 4-Bromofluorobenzene (4-BFB) | 0.0670 | 0.0685 | mg/L | 1 | 0.1 | 67 | 68 | 53.7 - 127.3 | |

Standard (CCV-2)

QC Batch: 63005 Date Analyzed: 2009-08-28 Analyzed By: kg

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-------|------|-------|-----------------|------------------|-----------------------|-------------------------|---------------|
| DRO | | mg/L | 250 | 209 | 84 | 80 - 120 | 2009-08-28 |

Standard (CCV-3)

QC Batch: 63005 Date Analyzed: 2009-08-28 Analyzed By: kg

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-------|------|-------|-----------------|------------------|-----------------------|-------------------------|---------------|
| DRO | | mg/L | 250 | 210 | 84 | 80 - 120 | 2009-08-28 |

Standard (CCV-2)

QC Batch: 63150 Date Analyzed: 2009-09-01 Analyzed By: AG

Report Date: September 8, 2009
700376.016.01

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Kimbrough Sweet 8 inch

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Hobbs, NM

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|-------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| GRO | | mg/L | 1.00 | 0.818 | 82 | 80 - 120 | 2009-09-01 |

Standard (CCV-3)

| QC Batch: | 63150 | Date Analyzed: | 2009-09-01 | Analyzed By: | AG | | |
|-----------|-------|----------------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
| GRO | | mg/L | 1.00 | 0.870 | 87 | 80 - 120 | 2009-09-01 |

Standard (CCV-2)

| QC Batch: | 63151 | Date Analyzed: | 2009-09-01 | 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 | 0.0917 | 92 | 80 - 120 | 2009-09-01 |
| Toluene | | mg/L | 0.100 | 0.0936 | 94 | 80 - 120 | 2009-09-01 |
| Ethylbenzene | | mg/L | 0.100 | 0.0895 | 90 | 80 - 120 | 2009-09-01 |
| Xylene | | mg/L | 0.300 | 0.252 | 84 | 80 - 120 | 2009-09-01 |

Standard (CCV-3)

| QC Batch: | 63151 | Date Analyzed: | 2009-09-01 | 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 | 0.0947 | 95 | 80 - 120 | 2009-09-01 |
| Toluene | | mg/L | 0.100 | 0.0948 | 95 | 80 - 120 | 2009-09-01 |
| Ethylbenzene | | mg/L | 0.100 | 0.0925 | 92 | 80 - 120 | 2009-09-01 |
| Xylene | | mg/L | 0.300 | 0.262 | 87 | 80 - 120 | 2009-09-01 |

Standard (CCV-2)

QC Batch: 63169 Date Analyzed: 2009-09-02 Analyzed By: MN

Report Date: September 8, 2009
700376.016.01

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Kimbrough Sweet 8 inch

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| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------------------|------|-------|-----------------|------------------|-----------------------|-------------------------|---------------|
| Naphthalene | | mg/L | 60.0 | 57.7 | 96 | 80 - 120 | 2009-09-02 |
| 2-Methylnaphthalene | | mg/L | 60.0 | 64.9 | 108 | 80 - 120 | 2009-09-02 |
| 1-Methylnaphthalene | | mg/L | 60.0 | 64.8 | 108 | 80 - 120 | 2009-09-02 |
| Acenaphthylene | | mg/L | 60.0 | 58.5 | 98 | 80 - 120 | 2009-09-02 |
| Acenaphthene | | mg/L | 60.0 | 58.8 | 98 | 80 - 120 | 2009-09-02 |
| Dibenzofuran | | mg/L | 60.0 | 61.8 | 103 | 80 - 120 | 2009-09-02 |
| Fluorene | | mg/L | 60.0 | 63.6 | 106 | 80 - 120 | 2009-09-02 |
| Anthracene | | mg/L | 60.0 | 59.4 | 99 | 80 - 120 | 2009-09-02 |
| Phenanthrene | | mg/L | 60.0 | 57.2 | 95 | 80 - 120 | 2009-09-02 |
| Fluoranthene | | mg/L | 60.0 | 58.0 | 97 | 80 - 120 | 2009-09-02 |
| Pyrene | | mg/L | 60.0 | 57.0 | 95 | 80 - 120 | 2009-09-02 |
| Benzo(a)anthracene | | mg/L | 60.0 | 55.8 | 93 | 80 - 120 | 2009-09-02 |
| Chrysene | | mg/L | 60.0 | 56.4 | 94 | 80 - 120 | 2009-09-02 |
| Benzo(b)fluoranthene | | mg/L | 60.0 | 63.4 | 106 | 80 - 120 | 2009-09-02 |
| Benzo(k)fluoranthene | | mg/L | 60.0 | 59.4 | 99 | 80 - 120 | 2009-09-02 |
| Benzo(a)pyrene | | mg/L | 60.0 | 67.9 | 113 | 80 - 120 | 2009-09-02 |
| Indeno(1,2,3-cd)pyrene | | mg/L | 60.0 | 57.9 | 96 | 80 - 120 | 2009-09-02 |
| Dibenzo(a,h)anthracene | | mg/L | 60.0 | 59.4 | 99 | 80 - 120 | 2009-09-02 |
| Benzo(g,h,i)perylene | | mg/L | 60.0 | 56.7 | 94 | 80 - 120 | 2009-09-02 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limit |
|------------------|------|--------|-------|----------|--------------|------------------|----------------|
| Nitrobenzene-d5 | | 60.9 | mg/L | 1 | 60.0 | 102 | 80 - 120 |
| 2-Fluorobiphenyl | | 56.4 | mg/L | 1 | 60.0 | 94 | 80 - 120 |
| Terphenyl-d14 | | 54.4 | mg/L | 1 | 60.0 | 91 | 80 - 120 |

Standard (CCV-1)

QC Batch: 63320 Date Analyzed: 2009-09-08 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 | 58.2 | 97 | 80 - 120 | 2009-09-08 |
| 2-Methylnaphthalene | | mg/L | 60.0 | 64.8 | 108 | 80 - 120 | 2009-09-08 |
| 1-Methylnaphthalene | | mg/L | 60.0 | 64.9 | 108 | 80 - 120 | 2009-09-08 |
| Acenaphthylene | | mg/L | 60.0 | 59.6 | 99 | 80 - 120 | 2009-09-08 |
| Acenaphthene | | mg/L | 60.0 | 58.8 | 98 | 80 - 120 | 2009-09-08 |
| Dibenzofuran | | mg/L | 60.0 | 61.8 | 103 | 80 - 120 | 2009-09-08 |
| Fluorene | | mg/L | 60.0 | 64.9 | 108 | 80 - 120 | 2009-09-08 |
| Anthracene | | mg/L | 60.0 | 59.7 | 100 | 80 - 120 | 2009-09-08 |
| Phenanthrene | | mg/L | 60.0 | 57.4 | 96 | 80 - 120 | 2009-09-08 |
| Fluoranthene | | mg/L | 60.0 | 57.6 | 96 | 80 - 120 | 2009-09-08 |
| Pyrene | | mg/L | 60.0 | 56.9 | 95 | 80 - 120 | 2009-09-08 |

continued . . .

Report Date: September 8, 2009
700376.016.01

Work Order: 9082801
Kimbrough Sweet 8 inch

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Hobbs, NM

standard continued ...

| Param | Flag | Units | CCVs True Conc. | CCVs Found Conc. | CCVs Percent Recovery | Percent Recovery Limits | Date Analyzed |
|------------------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzo(a)anthracene | | mg/L | 60.0 | 55.9 | 93 | 80 - 120 | 2009-09-08 |
| Chrysene | | mg/L | 60.0 | 56.8 | 95 | 80 - 120 | 2009-09-08 |
| Benzo(b)fluoranthene | | mg/L | 60.0 | 50.8 | 85 | 80 - 120 | 2009-09-08 |
| Benzo(k)fluoranthene | | mg/L | 60.0 | 65.0 | 108 | 80 - 120 | 2009-09-08 |
| Benzo(a)pyrene | | mg/L | 60.0 | 67.7 | 113 | 80 - 120 | 2009-09-08 |
| Indeno(1,2,3-cd)pyrene | | mg/L | 60.0 | 57.5 | 96 | 80 - 120 | 2009-09-08 |
| Dibenzo(a,h)anthracene | | mg/L | 60.0 | 58.2 | 97 | 80 - 120 | 2009-09-08 |
| Benzo(g,h,i)perylene | | mg/L | 60.0 | 56.7 | 94 | 80 - 120 | 2009-09-08 |

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limit |
|------------------|------|--------|-------|----------|-----------------|---------------------|-------------------|
| Nitrobenzene-d5 | | 63.0 | mg/L | 1 | 60.0 | 105 | 80 - 120 |
| 2-Fluorobiphenyl | | 54.5 | mg/L | 1 | 60.0 | 91 | 80 - 120 |
| Terphenyl-d14 | | 54.5 | mg/L | 1 | 60.0 | 91 | 80 - 120 |

LAB Order # 1082801**TraceAnalysis, Inc.**

email: lab@traceanalysis.com

Company Name:

Zellweger, Je

Address:

(Street, City, Zip)

Rancho Manta Ranch Tx

Contact Person:

Shawn Smith

Invoice to:

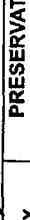
(If different from above) Plains Jason Henry

Kingsborough Street 8"

Project Name:

5/25/04 2005

Sampler Signature:



Project Location (including state):

Hobbs, NM

Phone #:

432-522-2122

Fax #:

Email:

Shawn.Smith@rpr.com

**ANALYSIS REQUEST
(Circle or Specify Method No.)**

| METALS | | AS | BA | CD | CR | Pb | Se | Hg | | | | | | | | | | | |
|---------------------|------|----|-----|----|----|----|----|----|------------|--|--|--|--|--|--|--|--|--|--|
| PAH | | | | | | | | | | | | | | | | | | | |
| TOTAL METALS | AG | AS | BA | CD | CR | Pb | Se | Hg | 6010/200.7 | | | | | | | | | | |
| TCLP VOLATILES | | | | | | | | | | | | | | | | | | | |
| TCLP SEMI VOLATILES | | | | | | | | | | | | | | | | | | | |
| TCLP PESTICIDES | | | | | | | | | | | | | | | | | | | |
| PCBs | 8082 | / | 608 | | | | | | | | | | | | | | | | |
| GC/MS VDL | 8260 | / | 624 | | | | | | | | | | | | | | | | |
| GC/MS SEMI. | 8270 | / | 625 | | | | | | | | | | | | | | | | |
| BOD, TSS, PH | | | | | | | | | | | | | | | | | | | |
| Moisture Content | | | | | | | | | | | | | | | | | | | |

Turn Around Time if different from standard

REMARKS:

TEXAS - 40-45 - 5-7 days

| | | | |
|----------------------------|--------------------------|-------------------------------|--------------------------|
| Carrier # | <u>Carry in</u> | Dry Weight Basis Required | |
| Relinquished by: | Company: <u>J. Plaza</u> | Time: <u>8/26/04 8:20 AM</u> | INST: <u>OBS-A-1</u> |
| Relinquished by: | Company: <u>J. Plaza</u> | Time: <u>8/26/04 8:20 AM</u> | INST: <u>COR-1</u> |
| Relinquished by: | Company: <u>J. Plaza</u> | Time: <u>8/26/04 11:45 AM</u> | INST: <u>OBS-O</u> |
| Relinquished by: | Company: <u>J. Plaza</u> | Time: <u>8/26/04 11:45 AM</u> | INST: <u>COR-O</u> |
| Relinquished by: | Company: <u>J. Plaza</u> | Time: <u>8/26/04 11:45 AM</u> | INST: <u>OBS-C</u> |
| Relinquished by: | Company: <u>J. Plaza</u> | Time: <u>8/26/04 11:45 AM</u> | INST: <u>COR-C</u> |
| Check If Special Reporting | <input type="checkbox"/> | Check If Special Reporting | <input type="checkbox"/> |
| Limits Are Needed | <input type="checkbox"/> | Limits Are Needed | <input type="checkbox"/> |

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ORIGINAL COPY

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

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-12985002 Basin Street, Suite A1
Midland, Texas 79303
Tel (432) 689-6501
Fax (432) 689-6313200 East Sunset Rd., Suite E
El Paso, Texas 79922

Tel (915) 585-3443

Fax (915) 585-1944

1 (888) 588-3443

Hold

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 806•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
NCTRCA WFWB38444Y0909

DBE: VN 20657

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: December 29, 2009

Work Order: 9121612



Project Location: Hobbs, NM
Project Name: Kimbrough Sweet 8 inch
Project Number: 700376.016.01
SRS#: 2000-10757

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 |
|--------|-------------|--------|------------|------------|---------------|
| 217395 | MW-3 | water | 2009-12-14 | 16:05 | 2009-12-16 |
| 217396 | MW-4 | water | 2009-12-14 | 16:33 | 2009-12-16 |
| 217397 | MW-10 | water | 2009-12-14 | 16:45 | 2009-12-16 |
| 217398 | MW-12 | water | 2009-12-14 | 15:15 | 2009-12-16 |
| 217399 | MW-13 | water | 2009-12-14 | 15:56 | 2009-12-16 |

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 8 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 Kimbrough Sweet 8 inch were received by TraceAnalysis, Inc. on 2009-12-16 and assigned to work order 9121612. Samples for work order 9121612 were received intact 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 | 56543 | 2009-12-18 at 10:00 | 66149 | 2009-12-19 at 00:28 |

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 9121612 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.

Report Date: December 29, 2009
700376.016.01

Work Order: 9121612
Kimbrough Sweet 8 inch

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Hobbs, NM

Analytical Report

Sample: 217395 - MW-3

Laboratory: Midland

Analysis: BTEX

QC Batch: 66149

Prep Batch: 56543

Analytical Method: S 8021B

Date Analyzed: 2009-12-19

Sample Preparation: 2009-12-18

Prep Method: S 5030B

Analyzed By: AG

Prepared By: AG

| Parameter | Flag | Result | Units | Dilution | RL |
|--------------|------|--------|-------|----------|---------|
| Benzene | | 19.1 | mg/L | 100 | 0.00100 |
| Toluene | | <0.100 | mg/L | 100 | 0.00100 |
| Ethylbenzene | | 0.156 | 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) | | 10.8 | mg/L | 100 | 10.0 | 108 | 70.9 - 129.8 |
| 4-Bromofluorobenzene (4-BFB) | | 9.25 | mg/L | 100 | 10.0 | 92 | 57.1 - 118.8 |

Sample: 217396 - MW-4

Laboratory: Midland

Analysis: BTEX

QC Batch: 66149

Prep Batch: 56543

Analytical Method: S 8021B

Date Analyzed: 2009-12-19

Sample Preparation: 2009-12-18

Prep Method: S 5030B

Analyzed By: AG

Prepared By: AG

| Parameter | Flag | 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) | | 0.115 | mg/L | 1 | 0.100 | 115 | 70.9 - 129.8 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0948 | mg/L | 1 | 0.100 | 95 | 57.1 - 118.8 |

Sample: 217397 - MW-10

Laboratory: Midland

Analysis: BTEX

QC Batch: 66149

Prep Batch: 56543

Analytical Method: S 8021B

Date Analyzed: 2009-12-19

Sample Preparation: 2009-12-18

Prep Method: S 5030B

Analyzed By: AG

Prepared By: AG

Report Date: December 29, 2009
700376.016.01

Work Order: 9121612
Kimbrough Sweet 8 inch

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Hobbs, NM

| 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) | | 0.114 | mg/L | 1 | 0.100 | 114 | 70.9 - 129.8 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0954 | mg/L | 1 | 0.100 | 95 | 57.1 - 118.8 |

Sample: 217398 - MW-12

Laboratory: Midland
Analysis: BTEX
QC Batch: 66149
Prep Batch: 56543

Analytical Method: S 8021B
Date Analyzed: 2009-12-19
Sample Preparation: 2009-12-18

Prep Method: S 5030B
Analyzed By: AG
Prepared By: AG

| Parameter | Flag | RL Result | Units | Dilution | RL |
|--------------|------|--------------|-------|----------|---------|
| Benzene | | 5.82 | mg/L | 20 | 0.00100 |
| Toluene | | <0.0200 | mg/L | 20 | 0.00100 |
| Ethylbenzene | | <0.0200 | 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) | | 2.18 | mg/L | 20 | 2.00 | 109 | 70.9 - 129.8 |
| 4-Bromofluorobenzene (4-BFB) | | 1.88 | mg/L | 20 | 2.00 | 94 | 57.1 - 118.8 |

Sample: 217399 - MW-13

Laboratory: Midland
Analysis: BTEX
QC Batch: 66149
Prep Batch: 56543

Analytical Method: S 8021B
Date Analyzed: 2009-12-19
Sample Preparation: 2009-12-18

Prep Method: S 5030B
Analyzed By: AG
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 |

Report Date: December 29, 2009
700376.016.01

Work Order: 9121612
Kimbrough Sweet 8 inch

Page Number: 6 of 8
Hobbs, NM

| Surrogate | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT) | | 0.114 | mg/L | 1 | 0.100 | 114 | 70.9 - 129.8 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0954 | mg/L | 1 | 0.100 | 95 | 57.1 - 118.8 |

Method Blank (1) QC Batch: 66149

QC Batch: 66149 Date Analyzed: 2009-12-19 Analyzed By: AG
Prep Batch: 56543 QC Preparation: 2009-12-18 Prepared By: tn

| 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) | | 0.108 | mg/L | 1 | 0.100 | 108 | 73.6 - 126.6 |
| 4-Bromofluorobenzene (4-BFB) | | 0.0859 | mg/L | 1 | 0.100 | 86 | 70.6 - 117.5 |

Laboratory Control Spike (LCS-1)

QC Batch: 66149 Date Analyzed: 2009-12-19 Analyzed By: AG
Prep Batch: 56543 QC Preparation: 2009-12-18 Prepared By: tn

| Param | LCS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|------------|-------|------|--------------|---------------|------|--------------|
| Benzene | 0.0891 | mg/L | 1 | 0.100 | <0.000300 | 89 | 79.4 - 111.8 |
| Toluene | 0.0907 | mg/L | 1 | 0.100 | <0.000200 | 91 | 79.3 - 110 |
| Ethylbenzene | 0.0901 | mg/L | 1 | 0.100 | <0.000200 | 90 | 73.8 - 113.1 |
| Xylene | 0.269 | mg/L | 1 | 0.300 | <0.000900 | 90 | 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 | 0.0898 | mg/L | 1 | 0.100 | <0.000300 | 90 | 79.4 - 111.8 | 1 | 20 |
| Toluene | 0.0916 | mg/L | 1 | 0.100 | <0.000200 | 92 | 79.3 - 110 | 1 | 20 |
| Ethylbenzene | 0.0911 | mg/L | 1 | 0.100 | <0.000200 | 91 | 73.8 - 113.1 | 1 | 20 |
| Xylene | 0.272 | mg/L | 1 | 0.300 | <0.000900 | 91 | 73.9 - 113.6 | 1 | 20 |

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

Report Date: December 29, 2009
700376.016.01

Work Order: 9121612
Kimbrough Sweet 8 inch

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| Surrogate | LCS Result | LCSD Result | Units | Dil. | Spike Amount | LCS Rec. | LCSD Rec. | Rec. Limit |
|------------------------------|------------|-------------|-------|------|--------------|----------|-----------|--------------|
| Trifluorotoluene (TFT) | 0.109 | 0.112 | mg/L | 1 | 0.100 | 109 | 112 | 76.2 - 129.6 |
| 4-Bromofluorobenzene (4-BFB) | 0.0971 | 0.0986 | mg/L | 1 | 0.100 | 97 | 99 | 77.9 - 119.8 |

Matrix Spike (MS-1) Spiked Sample: 217395

QC Batch: 66149 Date Analyzed: 2009-12-19 Analyzed By: AG
Prep Batch: 56543 QC Preparation: 2009-12-18 Prepared By: tn

| Param | MS Result | Units | Dil. | Spike Amount | Matrix Result | Rec. | Rec. Limit |
|--------------|-----------|-------|------|--------------|---------------|------|--------------|
| Benzene | 28.8 | mg/L | 100 | 10.0 | 19.1081 | 97 | 77.3 - 117.4 |
| Toluene | 9.58 | mg/L | 100 | 10.0 | <0.0200 | 96 | 75 - 111.8 |
| Ethylbenzene | 9.78 | mg/L | 100 | 10.0 | 0.156 | 96 | 78.8 - 106.6 |
| Xylene | 28.5 | mg/L | 100 | 30.0 | <0.0900 | 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 | 27.8 | mg/L | 100 | 10.0 | 19.1081 | 87 | 77.3 - 117.4 | 4 | 20 |
| Toluene | 9.26 | mg/L | 100 | 10.0 | <0.0200 | 93 | 75 - 111.8 | 3 | 20 |
| Ethylbenzene | 9.48 | mg/L | 100 | 10.0 | 0.156 | 93 | 78.8 - 106.6 | 3 | 20 |
| Xylene | 27.6 | mg/L | 100 | 30.0 | <0.0900 | 92 | 68.9 - 114 | 3 | 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) | 10.9 | 10.8 | mg/L | 100 | 10 | 109 | 108 | 76.3 - 129.8 |
| 4-Bromofluorobenzene (4-BFB) | 10.1 | 9.94 | mg/L | 100 | 10 | 101 | 99 | 75.2 - 112.8 |

Standard (CCV-2)

QC Batch: 66149 Date Analyzed: 2009-12-19 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 | 0.0848 | 85 | 80 - 120 | 2009-12-19 |
| Toluene | | mg/L | 0.100 | 0.0862 | 86 | 80 - 120 | 2009-12-19 |
| Ethylbenzene | | mg/L | 0.100 | 0.0853 | 85 | 80 - 120 | 2009-12-19 |
| Xylene | | mg/L | 0.300 | 0.254 | 85 | 80 - 120 | 2009-12-19 |

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Kimbrough Sweet 8 inch

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Standard (CCV-3)

QC Batch: 66149

Date Analyzed: 2009-12-19

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 | 0.0906 | 91 | 80 - 120 | 2009-12-19 |
| Toluene | | mg/L | 0.100 | 0.0922 | 92 | 80 - 120 | 2009-12-19 |
| Ethylbenzene | | mg/L | 0.100 | 0.0914 | 91 | 80 - 120 | 2009-12-19 |
| Xylene | | mg/L | 0.300 | 0.272 | 91 | 80 - 120 | 2009-12-19 |

TraceAnalysis, Inc.

Address: lab@traceanalysis.com

Company Name: Jason Henry
 Address: 2901 Rankin Hwy
 Contact Person: Steve Killingsworth
 Invoice to: PFAKS Project Name: SRS# 2020-107572
 Project #: 7003760601
 Project Location (including state): Hobbs, N.M.
 Phone #: 522-522-2133
 Fax #: 624-8260B
 MTEB 8021B / 602 / 8260B / 624
 TPH 418.1 / TX1005 / TX1005 Ext(C35)
 PAH 827DC / 625
 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Semi Volatiles
 TCLP Volatiles
 TCLP Pesticides
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 827DC / 625
 PCB's 8082 / 608
 Pesticides 8081A / 608
 BOD, TSS, PH
 Moisture Content
 Hold
 Turn Around Time if different from standard

ANALYSIS REQUEST (Circle or Specify Method No.)

6701 Aberdeen Avenue, Suite 9 5002 Basin Street, Suite A1 200 East Sunset Rd, Suite E 8808 Camp Bowie Blvd, West, Suite 180 Lubbock, Texas 79424 Midland, Texas 79303 El Paso, Texas 79922 Ft. Worth, Texas 76116 Tel (806) 794-1296 Tel (432) 689-6301 Tel (817) 201-5260 Fax (432) 689-6313 Fax (915) 585-4944 Fax (817) 560-4336 1 (888) 568-3443

Company Name: Jason Henry
 Address: (Street, City, Zip)
 Contact Person: Steve Killingsworth
 Invoice to: PFAKS Project Name: SRS# 2020-107572
 Project #:
 Project Location (including state): Hobbs, N.M.
 Phone #: 522-522-2133
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 MTEB 8021B / 602 / 8260B / 624
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 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
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 TCLP Volatiles
 TCLP Pesticides
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 827DC / 625
 PCB's 8082 / 608
 Pesticides 8081A / 608
 BOD, TSS, PH
 Moisture Content
 Hold
 Turn Around Time if different from standard

CONTAINERS
 VOLUME / AMOUNT
 WATER
 SOIL
 AIR
 SLUDGE
 HCl
 HNO₃
 H₂SO₄
 NaOH
 ICE
 NONE
 DATE
 TIME
 PRESERVATIVE
 METHOD
 SAMPLING
 MATRIX
 FIELD CODE

| FIELD CODE | MATRIX | PRESERVATIVE | METHOD | SAMPLING | TIME | DATE | TIME |
|------------|--------|--------------|--------|----------|-----------|------|------|
| 11395 | MW-3 | 3 | 10A | X | 1/15/2020 | 1 | 1635 |
| 334 | MW-21 | 3 | | | | | |
| 317 | MW-10 | 3 | | | | | |
| 318 | MW-12 | 3 | | | | | |
| 309 | MW-13 | 3 | | | | | |

Relinquished by: Company: Date: Time: Received by: Company: Date: Temp °C: LAB USE ONLY
 Relinquished by: Company: Date: Time: Received by: Company: Date: Temp °C: Inact/N
 Relinquished by: Company: Date: Time: Received by: Company: Date: Temp °C: Residue Y/N
 Relinquished by: Company: Date: Time: Received by: Company: Date: Temp °C: Log In Review
 Carrier # carry in

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

APPENDIX D

NMOCD C-141

APPENDIX D

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