

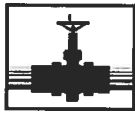
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Plains

Vacuum to Jal 14”

Mainline #5

**Annual Report
2013**



PLAINS ALL AMERICAN

March 19, 2014

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

Re: Plains All American – 2013 Annual Monitoring Reports
4 Sites in Lea County, New Mexico

Dear Mr. Griswold:

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:

<u>Vacuum to Jal 14" Mainline #3</u>	<u>1R-455</u>	<u>Section 35, T21S, R37E, Lea County</u>
<u>Vacuum to Jal 14" Mainline #5</u>	<u>1R-0464</u>	<u>Section 2, T22S, R37E, Lea County</u>
<u>DS Hugh</u>	<u>1R-0463</u>	<u>Section 26, T21S, R37E, Lea County</u>
<u>Hugh Gathering</u>	<u>AP-0041</u>	<u>Section 11, T21S, R37E, Lea County</u>

EnTech Consulting Corporation (EnTech) 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 EnTech 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,

Camille Bryant
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

**2013 SOIL INVESTIGATION and
ANNUAL GROUNDWATER
MONITORING REPORT
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
UL-A, Section 2, T22S, R37E
NMOCD No.: 1r-0464
Plains SRS no.: 2003-00134**

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1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Information

EnTech Consultants (EnTech) has prepared this Annual report on behalf of Plains Pipeline, L.P. (Plains) for the Vacuum to Jal 14" Mainline #5 (site), located in T22S, R37E, Section 2 of Lea County, New Mexico. The site is approximately two miles east of Eunice, New Mexico, and more specifically at latitude 32° 25' 39.006" N and longitude 103° 07' 43.155" W (**Figure 1**). The hydrocarbon impact at the site is the result of a 20-barrel crude oil release that occurred from the pipeline on May 23, 2003. The pipeline was owned by EOTT Energy, LLC (EOTT) at the time of the release, and is currently owned by Plains.

This report presents the data collected at the site during weekly groundwater gauging and phase separated hydrocarbon (PSH) recovery, four quarterly groundwater sampling events conducted during 2013 and the installation of two product recovery wells conducted in November 2013. The objective of the on-going quarterly groundwater sampling activities at the site is to monitor the concentration of chemicals of concern (COCs) in the affected groundwater. Weekly PSH recovery activities are conducted to remove residual crude oil from groundwater.

EnTech was retained by Plains in 2012 to continue the remediation activities at the Vacuum to Jal #5 site, SRS No. 2003-00134. According to the initial Mexico Oil Conservation Division (NMOCD) Response Notification (NMOCD Form C-141), Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the release, on behalf of Mr. Frank Hernandez of EOTT Energy, LLC (EOTT), to the NMOCD on May 23, 2003 (a copy of the C-141 Release Notification Form was provided in the 2010 Annual Report Dated March 2011). The leak was apparently caused by internal or external corrosion. The line was being pressure tested when the leak occurred.

1.2 Previous Remedial Responses and Environmental Investigations

The previous environmental consultant for the site was EarthCon Consultants, Inc. (EarthCon); as of July 1, 2012 EnTech Consulting Corporation (EnTech) was retained by Plains for consulting services for the site. Even though the environmental consultant for the site has changed, the same personnel were retained to complete work for the site.

EPI oversaw the initial emergency response activities at the site in May and June of 2003. According to EPI documents, the May 2003 release resulted in surface impacts in two areas that required excavation. The larger of the two areas was an irregularly shaped area measuring approximately 200 feet by 40 feet, and affected a surface area

of approximately 8,885 square feet. The smaller area was an L-shaped area located east of the southernmost portion of the larger excavation that measured approximately 40 feet by 60 feet and affected a surface area of approximately 2,500 square ft. The EPI data also revealed the presence of a historical spill at the site identified by the presence of an asphaltine layer that affected an area in the central portion of the larger excavation directly under the existing pipelines .

Based on the information provided by Mr. McCasland and file correspondence between EPI and Plains, approximately 1,466 cubic yards of heavily impacted surface soils were transported off site for treatment at the Lea Station Land Farm in March 2004. The remaining excavated soil was spread out adjacent to the excavation. In March 2004, EPI installed four trenches in areas of known hydrocarbon-impacted soils to further delineate depths of contamination and to determine if the base of the excavation was contaminated.

In January 2006, EarthCon collected twelve composite soil samples from the soils to define the concentration of hydrocarbons remaining in these soils. In March 2006, EarthCon oversaw the installation of six borings and subsequent monitor wells at the site. Following the installation of the six monitor wells, EarthCon began weekly gauging, phase separated hydrocarbon (PSH) recovery and quarterly groundwater sampling activities at the site.

Based on the available soil and groundwater data, a Soil Remediation Plan was prepared and submitted to the NMOCD in May 2006. The objective of the Soil Remediation Plan was to excavate the highly affected soils and to isolate and control residual concentration of COCs in the soil and preventing them from further affecting the groundwater by placement of an impermeable liner at the base of the excavation. The Soil Remediation Plan was approved by the NMOCD in June 2006. During October and November 2006, EarthCon collected additional confirmation soil samples in the open excavations and supervised the completion of over excavation, installation of a liner and backfilling activities. The soil remediation activities such as over excavation, liner placement and backfilling activities were presented in the *Soil Closure Report* dated March 2007. As part of the groundwater investigation activities conducted at the site, EarthCon oversaw the installation of seven additional borings/wells in November 2006 to delineate hydrocarbons in the groundwater. Details associated with the comprehensive site investigation activities conducted in November and December 2006 were presented in the *Site Investigation and Annual Report*, dated March 2007.

These reports document attainment of the risk-based NMOCD approved cleanup objectives for soil established for this site. They also establish that the COCs in

groundwater have been delineated. These reports were submitted to the NMOCD for final regulatory approval for closure of soil issues at this site, and a request made for a “No Further Action Required for Soil Remediation” letter from the NMOCD.

The groundwater remediation goals and the proposed remedial approach are discussed in a Groundwater Work Plan submitted to the NMOCD in December 2009. Monitored natural attenuation is the established remedial approach for this site along with source reduction activities including weekly PSH recovery and quarterly groundwater monitoring. During November and December 2006, an additional subsurface investigation to define the lateral extent of affected groundwater beneath the site was conducted that included the installation of four monitor wells (MW-4, MW-5, MW-6 and MW-7) and three additional recovery wells (RW-4, RW-5 and RW-6) to depths between 60 and 61 feet below ground surface (bgs).

In July 2013, EnTech was retained by Plains to continue remediation and groundwater activities at the site.

This report summarized the activities conducted in 2013 for groundwater sampling, monitor and recovery well installation, soil and groundwater analysis and PSH recovery activities.

1.3 Regulatory Framework

Based on standards outlined in New Mexico Administrative Code (NMAC), Title 20, Chapter 6, Part 2, the remediation criteria for groundwater at the site are as follows:

Chemical of Concern	Limit (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
Polynuclear Aromatic Hydrocarbons (PAH) ^(1,2)	0.03
Benzo-a-pyrene ⁽²⁾	0.0007

1 – PAHs: Total naphthalenes plus monomethylnaphthalenes

2 – PAH remediation standards will be used as target concentrations only upon PSH removal.

In addition to using the above values as the target cleanup goals for COC concentrations in groundwater at the site, PSH removal is also an integral part of ongoing remediation activities.

1.4 Limitations

EnTech has examined and relied upon the file information provided by Plains and their contractors, and conversations with Plains personnel and their contractors familiar with the site in question. EnTech has not conducted an independent examination of the information contained in external project files or that provided by Plains or their contract personnel. Furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents and during the interviews of Plains and contract personnel are true and accurate. EnTech has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. EnTech will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. EnTech believes the conclusions stated herein are factual, but no guarantee is made or implied.

2.0 SOIL INVESTIGATION ACTIVITIES

The following section presents the details of field activities completed in the November 2013 during the installation of two product recovery wells (RW-7 and RW-8) at the Vac to Jal #5 Site. The purpose of this most recent supplemental investigation was the installation of two additional recovery wells for enhanced product recovery. Soil samples were collected for screening purposes only. In 2006 a Soil Closure Report was submitted to the NMOCD for excavation and soil investigation activities at the site.

2.1 Soil Investigation

Two soil borings was advanced on November 5th, 2013 using a continuous air rotary drilling rig operated by Straub Corporation of Stanton, Texas. All drilling rig and sampling equipment was decontaminated prior to the start of the investigation and before leaving the site. Soil samples were examined in the field immediately following retrieval from the cuttings. The soil cuttings were logged by a licensed Professional Geologist from EnTech and described according to the Unified Soil Classification System criteria.

Each soil sample was split into two portions. One portion was immediately placed in a clean disposable plastic bag, labeled, and placed in a cooler to cool to 4 degrees centigrade (°C). The other portion was placed in a disposable plastic bag, the bag was sealed, and the sample was allowed to volatilize for approximately 15 minutes prior to conducting a headspace screening analysis using an organic vapor monitor (OVM) with a photoionization detector (PID).

Soil exhibiting evidence of hydrocarbon impact (staining, odor or OVM readings) was noted and samples were collected from selected intervals exhibiting the greatest degree of impact based on field observations. Samples selected for screening purposes only were then placed in a clean laboratory-supplied glass container, labeled, and left in the cooler to continue cooling. At a minimum, one sample was collected from the following interval of each new boring location:

1. Soil interval with the highest organic vapor measurement (greater than background) or highest indication of COC presence.
2. Soil-groundwater interface.

A total of 5 soil samples were collected for screening purposes and shipped to ESC Lab Sciences of Mt. Juliet, Tennessee for analysis. The samples were analyzed for BTEX by EPA Method 8021. Results of these laboratory analyses are presented in Table 7.

Table 7 also provides a comparison of these results against the applicable regulatory limits.

After advancing the boring to total depth and the collection of soil samples was completed, the soil borings were completed into 4 inch diameter recovery wells (RW-7 and RW-8). Boring logs and well construction details are provided in Appendix B.

2.2 General Geology and Boring Observations

The boring logs and well construction drawings for the delineation monitor well and product recovery wells installed during this investigation is provided in Appendix B. The following paragraphs provide a general discussion of the subsurface geology observed during the installation of the two recovery wells.

As mentioned in Section 2.1, all well borings were logged on the basis of cuttings-inspections, the reaction of the rig to changes in strata, and the driller's experience. The soil cuttings were examined by EnTech personnel and described according the Unified Soil Classification System criteria. The soil cuttings were also examined for the presence of hydrocarbons, visually, by smell and the use of an OVM. As the scope of this effort was to install product recovery wells, the primary purpose of the examination of soils from the well borings was to gain a better understanding of the subsurface geology of the site, to ensure that the uppermost groundwater-bearing zone was accurately described, and to ensure that product recovery wells were constructed in a manner consistent with the soil characteristics of the water-bearing zone and overlying strata.

Based upon the soil cuttings evaluation for the product recovery wells, the lithology at the site generally consists of brown, silty fine sand with traces of caliche at the surface, and layers of caliche, silty sandstone, gravel, and silty/sandy clay from the surface to approximately 65 feet bgs. The water bearing unit appearing at approximately 55 feet bgs consists of silty fine sand/sandstone.

2.2.1 Soil Investigation

Analytical results for soil samples collected from the boring location installed in November 2013 are summarized in **Table 7**. Laboratory analytical results reported from the soil samples collected during the November 2013 investigation are presented on a site map in **Figure 13**.

Soil Sample Locations and Results

Five soil samples were collected from the two soil boring location and submitted for laboratory analysis. All soil samples were analyzed for BTEX. A brief discussion of the rationale and laboratory analytical results for each soil sample collected is given below:

Soil Boring RW-7

This product recovery well location was selected as a potential recovery well cross gradient of the former excavation area. The following provides a brief description of the samples collected from this soil boring:

- **Sample MW-7 (35-40 feet bgs)** – This soil sample was collected from the light brown, caliche exhibiting a PID reading of 16.3 ppm. Benzene, toluene, ethylbenzene and total Xylenes concentrations were not detected above method detection limits (MDLs).
- **Sample MW-7 (50-55 feet bgs)** – This soil sample was collected from light brown silty sand/sandstone exhibiting a PID reading of 11.9 ppm. Benzene, ethylbenzene, toluene, and total xylenes concentrations were not detected above MDLs.
- **Sample MW-7 (65 feet bgs)** – This soil sample was collected from light brown silty sand with red clay seams exhibiting a PID reading of 0.0 ppm. Benzene, ethylbenzene, toluene, and total xylenes concentrations were not detected above MDLs.

Soil Boring RW-8

This monitor well location was selected as a potential product recovery well downgradient from the former excavation area. A clay layer was encountered at approximately 50 feet bgs while drilling. Due to this clay layer, water was injected into the soil boring to remove soil cutting from the boring. Due to the injection of water, additional sampling of soil below was limited to identification only. The following provides a brief description of the samples collected from this soil boring:

- **Sample RW-8 (40-45 feet bgs)** – This soil sample was collected from the dark brown, silty sand exhibiting a PID reading of 258 ppm. Benzene, toluene, ethylbenzene and total xylenes concentrations were not detected above MDLs.

- **Sample RW-8 (45-50 feet bgs)** – This soil sample was collected from light brown sandy silt exhibiting a PID reading of 612 ppm, located just above the clay layer at 50 feet bgs. Benzene, Toluene, Ethylbenzene and Total Xylenes were detected at concentrations below the applicable regulatory standards.

2.2.2 Evaluation of Soil Data

Five soil samples were collected from the soil borings. Benzene, ethylbenzene, toluene, and total xylenes concentrations were detected in one sample (RW-8 at 45-50 feet bgs), but were below New Mexico Environmental Department (NMED) regulatory standards.

3.0 GROUNDWATER ASSESSMENT AND RESULTS

3.1 Groundwater Sampling Methodology

Activities conducted at the site in 2013 primarily consisted of gauging wells for groundwater levels, determining the presence or absence of PSH, and recovering PSH using absorbent socks, hand bailing, and submersible pumps in monitor wells. Groundwater sampling of wells not exhibiting PSH was also completed to evaluate the extent of the dissolved-phase hydrocarbon plume.

Measurements of the depth to groundwater and product thickness in wells with hydrocarbon sheen or PSH were completed during the weekly PSH recovery and groundwater sampling events. Seven groundwater monitor wells (MW-1 through MW-7) and eight recovery wells (RW-1 through RW-8) were gauged using an oil/water interface probe. Additional wells installed in November 2013 (RW-7 and RW-8) were gauged and sampled as part of fourth quarter sampling activities where PSH was not present. The well locations are shown on **Figure 2**.

Groundwater level elevations and the presence of PSH, if any, were noted for each well. In cases where no measurable PSH was detected by the interface probe, the downhole sensor of the probe was examined for the presence of PSH upon removal from the well. Three recovery wells RW-1, RW-2, and RW-3 contained a measurable PSH thickness or hydrocarbon sheen during 2013 and were sampled only annually, after purging PSH from the wellbore. Additionally, RW-8 had a measurable PSH thickness after installation in November 2013 and will be added to the list of wells to be sampled annually in 2014. Starting in the second quarter of 2008 all recovery and monitor wells with PSH or sheen were required to be sampled annually and groundwater samples were analyzed for BTEX and PAHs to meet NMOCD requirements in the second quarter of 2013. Based on the review of the 2010 Annual Groundwater Monitoring Report, the NMOCD requested that any monitor wells which had a COC which exceeded NMOCD standards be sampled for PAHs. To meet these two requirements groundwater samples were collected during the second quarter of 2013 from recovery wells RW-1 through RW-3 during the second quarter of 2013 for PAHs due to PSH and historical exceedances during the 2nd quarter of 2012.

Groundwater monitor wells not exhibiting PSH or hydrocarbon sheen were gauged monthly and sampled quarterly. After collecting and recording groundwater level, each well was purged with a clean electric submersible pump or hand bailed using a clean disposable bailer, and then groundwater samples were collected using a new dedicated disposable bailer.

Groundwater samples were poured directly from the disposable bailers into the appropriate laboratory-supplied sample containers. The sample containers were then packaged to prevent breakage, placed on ice in a cooler, and shipped to ESC Laboratory Sciences of Mt. Juliet, Tennessee for analysis. The groundwater samples were analyzed for BTEX by EPA Method SW 846-8021B and PAHs by EPA Method SW 8270.

3.2 Groundwater Gauging

Table 1 summarizes groundwater gauging (elevation and PSH thickness) measurements taken before each quarterly groundwater sampling event in 2013. In addition, weekly groundwater elevation and PSH thickness measurements were recorded prior to and after PSH recovery and monthly measurements were taken from wells without PSH. Groundwater elevations and PSH thickness measurements were taken in four recovery wells (RW-1 through RW-3 and RW-8) during PSH recovery efforts. Complete historical groundwater elevation and PSH thickness measurements since September 14, 2005 are presented in **Table 2**. The groundwater elevation calculations are based on the top of PVC well casing elevations, which were last surveyed on March 15, 2005 by EarthCon, the previous consultant and updated in December 2013 by EnTech for the two new recovery wells installed in November 2013.

3.3 Groundwater Gradient and Flow Direction

Using the groundwater gauging data summarized in **Table 1**, groundwater gradient maps were prepared and are included as **Figures 3A** through **3D**. The calculated groundwater gradient and estimated groundwater flow direction are based on the gauging data obtained on February 27, June 11, September 10, and November 06, 2013. The hydraulic gradient in 2013 ranged from 0.0031 to 0.0048 feet/feet (ft/ft), based on groundwater elevations measured between monitor wells MW-4 and MW-6. The groundwater flow direction was consistently to the south.

3.4 Groundwater Analytical Results

Groundwater samples were collected on February 27, June 11, September 10, and November 07 during 2013 from all wells that did not contain PSH (see **Table 3**). The monitor wells were purged by removing a minimum of three to five well volumes of groundwater, or depending on groundwater conditions, bailed dry three times using a disposable bailer and allowed to recover to at least 80% of the initial volume before collecting samples. Groundwater samples were collected and transferred into laboratory-supplied sample containers. The sample containers were placed on ice in a cooler and shipped to ESC Laboratory Sciences, in Mt. Juliet, Tennessee for analysis. Groundwater samples were analyzed for BTEX using EPA Method SW-846 8021B.

Groundwater samples were collected in the second quarter from recovery wells RW-1 through RW-3 due to the presence of PSH and analyzed for BTEX and PAHs by EPA Method SW 8270, based on the request of the NMOCD to collect samples from wells with PSH or COC exceedances from the previous year. Recovery wells RW-1 through RW-3 exceeded the NMOCD criteria for benzene during the second quarter. Analytical results reported for the groundwater samples collected at ten wells (MW-1 through MW-7 and RW-4 through RW-6) displayed BTEX constituent concentrations below laboratory MDLs for all four quarters.

PAH samples were collected from RW-1, RW-2, and RW-3 during the second quarter sampling event. Although PAHs of naphthalene, acenaphthylene, acenaphthene, flourene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)-anthracene, chrysene, benzo(b)fluoranthene, dibenzofuran, dibenz(a,h)anthracene, 1-methylnaphthalene, and 2-methylnaphthalene were detected, no exceedances of NMOCD standards were observed.

The 2013 analytical results are presented in **Table 3**, and historical analytical results are presented in **Table 4**. Table 2.1 below summarizes the benzene concentrations in which NMOCD Remediation Criteria exceedances were observed in 2013. Benzene concentrations reported in exceedance of NMOCD standards are marked in **bold**.

Table 3.1				
2013 COC Detected Concentrations (mg/L)				
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	Benzene	Benzene	Benzene	Benzene
NMOCD Remediation Criteria (mg/L)	0.01	0.01	0.01	0.01
RW-1	NS	0.015	NS	NS
RW-2	NS	0.028	NS	NS
RW-3	NS	0.016	NS	NS

Note: Concentrations in bold indicate exceedances of TRRC Remediation criteria.

NS – Not sampled due to PSH sheen or a visible PSH sheen.

Historical analytical results are presented in **Table 4**. Laboratory analytical reports and data packages are provided in **Appendix A**. The groundwater analytical data for each quarterly sampling event are presented in **Figures 4A** through **4D**.

3.5 Groundwater Waste Disposal

Purge water from well sampling at wells MW-1 through MW-8 and recovery wells RW-1 through RW-8 is placed in the 1100-gallon above ground storage tank. These liquids are vacuumed from the tank and transported offsite for disposal by Key Energy Services of Hobbs, New Mexico.

4.0 PSH RECOVERY

4.1 PSH Recovery Methodology

In addition to collecting groundwater samples, EnTech performed weekly visits to the site to gauge and periodically recover PSH from three wells with PSH/sheen (RW-1, RW-2, and RW-3). Well RW-8, which was installed in November 2013 was added to the list of wells where PSH recovery takes place weekly. Measurements to PSH and water levels were recorded during each site visit (see **Table 2**). PSH recovery activities were completed on a weekly basis using submersible pumps, hand bailer and/or absorbent socks. Routine weekly PSH recovery activities typically consisted of the removal of 5 to 20 gallons of groundwater from the above referenced wells, with possible dissolved phase hydrocarbons and approximately 1 gallon of PSH.

4.2 PSH Recovery via Pumping and Manual Bailing

During 2013, measurable PSH was observed in recovery wells RW-1 through RW-3. RW-8 was installed in November 2013 and was added to the weekly product recovery activities. PSH and dissolved phase groundwater recovery data are presented in **Table 6**.

The PSH thicknesses in recovery well RW-1 indicated a slight increase during 2013. The maximum PSH thickness observed in RW-1 was 0.75 feet during the fourth quarter of 2013. The average thickness was 0.25 feet. The PSH thickness observed in recovery well RW-2 indicated an increase during 2013. A measurable thickness of 1.28 feet was observed during the fourth quarter of 2013, with an average PSH thickness of 0.79 feet.

The PSH thickness observed in recovery well RW-3 indicated a decreasing trend during 2013. A measurable thickness of 0.68 feet was observed during the first quarter of 2013, with an average PSH thickness of 0.21 feet.

The PSH thickness observed in recovery well RW-8 (installed in November 2013) was 1.95 feet after completion. A maximum thickness of 1.95 feet was observed and an average of 1.83 feet during November and December 2013.

4.3 PSH Waste Disposal

Approximately 35 gallons of PSH and 775.5 gallons total of affected groundwater were recovered from the wells containing PSH or sheen during 2013 as part of weekly PSH recovery. These liquids are vacuumed from the tank and transported offsite disposal by Key Energy Services of Hobbs, New Mexico.

5.0 MONITORED NATURAL ATTENUATION

5.1 Regulatory Framework for Monitored Natural Attenuation

Monitored Natural Attenuation (MNA) is defined by the New Mexico Environmental Department in 20.5.13 NMAC as “a methodology for remediation that relies upon a variety of naturally occurring chemical, physical and biological processes to achieve target concentrations in a manner that is equally as protective of public health, safety and welfare, and the environment as other methods and that is accompanied by a program of monitoring to document the process and results of the above mentioned processes.”

As part of the MNA process several lines of evidence need to be evaluated, the general lines of evidence are listed below:

- **Primary Lines of Evidence (PLOE).** Relies on use of historical groundwater data that demonstrate a clear trend of stable or decreasing COC concentrations over time and with distance away from the source at appropriate monitoring or sampling points.
- **Secondary Lines of Evidence (SLOE).** Uses geochemical indicators to document certain geochemical signatures or “footprints” in the groundwater that demonstrated (indirectly) the type of natural attenuation process(es) occurring at the affected property and the destruction of COCs; or uses distance-based/time-based/biodegradation rate calculations to demonstrate attenuation.
- **Other Lines of Evidence (OLOE).** Most often consists of predictive modeling studies and other lab/field studies that demonstrate an understanding of the natural attenuation process(es) occurring at the affected property and their effectiveness in controlling Protective Concentration Level Exceedance (PCLE) zone migration and decreasing COC concentrations.

5.2 Plume Stability and Monitored Natural Attenuation

Vac to Jal #5 site is currently undergoing Plume Stability Analysis. While samples are collected for monitored natural attenuation, insufficient data exists at this time to perform and reliable evaluation.

The dissolved phase plume was evaluated by analyzing groundwater samples collected quarterly from seven monitor wells which did not contain PSH. Benzene was detected above the NMOCD remediation criteria during at least one sampling event in 2013 in product recovery wells with measureable thicknesses of PSH in RW-1, RW-2, and RW-3. Benzene concentrations in groundwater sample collected from monitor well MW-1

has decreased to below laboratory detection levels during the second, third, and fourth quarters in 2012. No detections of benzene were observed within MW-1 during 2012. The groundwater samples collected from the remaining wells on site reported benzene, toluene, ethylbenene and total xylenes (BTEX) constituent concentrations are below the laboratory MDLs.

Understanding plume stability is an important step in the remedial planning process for a site. For instance, an increasing plume could potentially migrate to human or environmental receptors, whereas a stable or decreasing plume may not pose an imminent threat to human health and the environment. An introduction to plume stability analysis and the basis for the plume evaluation at the site was presented in the 2009 Annual report.

This analysis was conducted in order to understand the overall stability of the benzene plume during 2006, 2007, 2008, 2009, 2010, 2011, 2012 and 2013. This study included the development of benzene concentration isopleths maps, an average of the benzene concentrations reported in the four quarterly groundwater sampling events was used for all the wells with no PSH, specifically monitor wells MW-1 through MW-7. Since the wells with PSH were sampled only during the second quarter groundwater sampling events from 2008 through 2013, the benzene concentrations reported during this sampling event were used in the plume evaluation. The plume characteristics such as the plume area, average concentration, mass, and centers of mass were calculated for each of the benzene plumes using numerical methods.

The benzene isopleths maps for 2008, 2009, 2010, 2011, 2012, and 2013 are presented in **Figures 5 through 12** respectively. Previous maps prepared by EarthCon are presented in **Figures 5 through 10**. The analytical data collected for the site used for the plume stability analysis indicated that the benzene plume emanating from the site has a decreasing trend in size and mass while the average concentration of benzene appears to be decreasing as well.

6.0 FINDINGS

Findings and recommendations resulting from 2013 groundwater monitoring at the Vac to Jal 5 site are summarized below.

- Groundwater flow in the uppermost groundwater-bearing unit is to the south ranging from 0.0031 to 0.0048 ft/ft as measured between wells MW-4 and MW-6.
- Analytical results reported for the groundwater samples collected at eleven wells (MW-1 through MW-7 and RW-4 through RW-7) displayed BTEX constituent concentrations below laboratory MDLs for all four quarters. This indicates a stable or receding dissolved phase plume.
- Recovery wells RW-1 through RW-3 exceeded the NMOCD criteria for benzene during the second quarter.
- Weekly PSH recovery from wells RW-1, RW-2, and RW-3, continued during 2013. Recovery well RW-8, installed in November 2013 was also used to recover PSH. The estimated quantity of PSH recovered from wells exhibiting PSH during weekly PSH recovery efforts totaled approximately 35 gallons, with affected groundwater recovery totaling approximately 775.5 gallons.
- The PSH plume has remained in the historical source area, located in the vicinity of recovery wells RW-1 through RW-3, and does not appear to be migrating downgradient.

Based on PSH recovery data and groundwater sampling completed during 2013 (and previously) at the Vac to Jal 5 site, EnTech recommends the following:

- PSH recovery from wells RW-1 through RW-3 and RW-8 continues on a weekly basis.
- Groundwater monitoring continues on a quarterly basis for wells MW-1 and RW-7 for BTEX
- Groundwater sampling for wells RW-1, RW-2, RW-3 and RW-8 continue annually for PAH and BTEX.
- Groundwater sampling for wells MW-2 through MW-7 and RW-4 through RW-6 be reduced to annual sampling as three years of analytical data show concentrations below NMOCD remediation criteria for BTEX.

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- Figure 2 Site Layout and Soil Boring Location Map**
- Figure 3A 1st Quarter 2013 – Groundwater Gradient Map, February 27, 2013**
- Figure 3B 2nd Quarter 2013 – Groundwater Gradient Map, June 11, 2013**
- Figure 3C 3rd Quarter 2013 – Groundwater Gradient Map, September 10, 2013**
- Figure 3D 4th Quarter 2013 – Groundwater Gradient Map, November 6, 2013**
- Figure 4A 1st Quarter 2013 – Groundwater Analytical Map, February 27, 2013**
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- Figure 4C 3rd Quarter 2013 – Groundwater Analytical Map, September 10, 2013**
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- Figure 9 2010 – Benzene Isopleth Map**
- Figure 10 2011 – Benzene Isopleth Map**
- Figure 11 2012 – Benzene Isopleth Map**
- Figure 12 2013 – Benzene Isopleth Map**
- Figure 13 2013 – Soil Analytical Results – November 5, 2013**

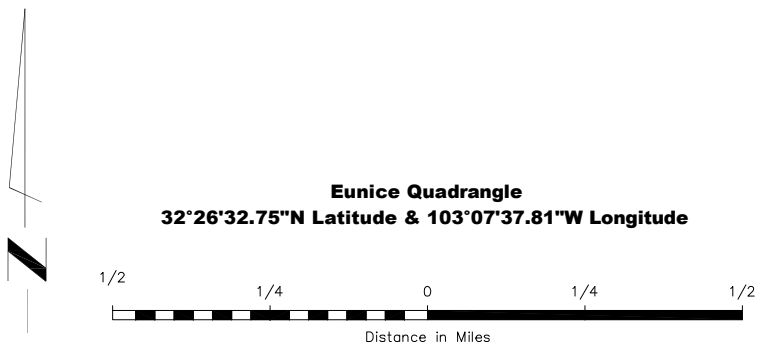
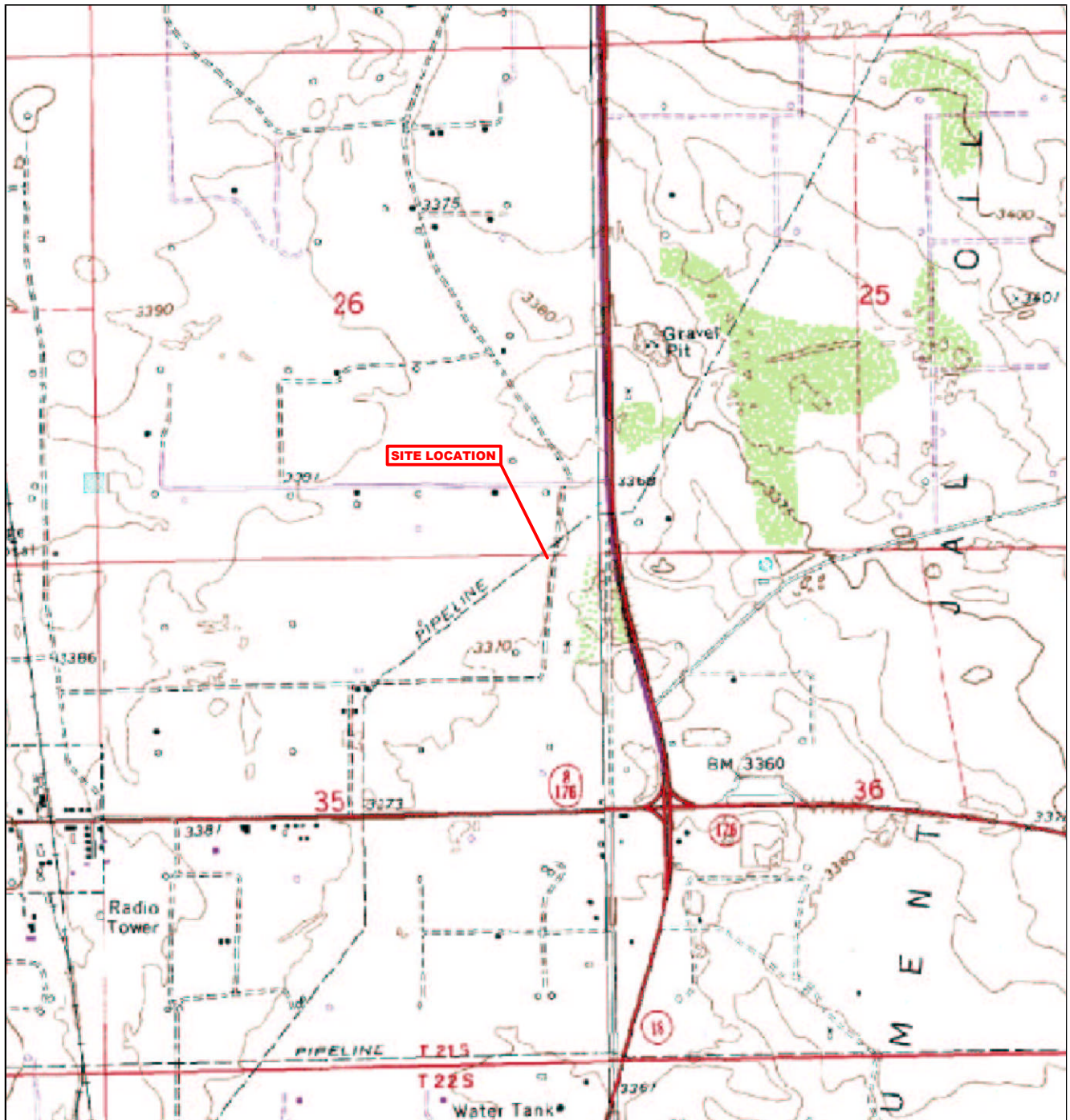
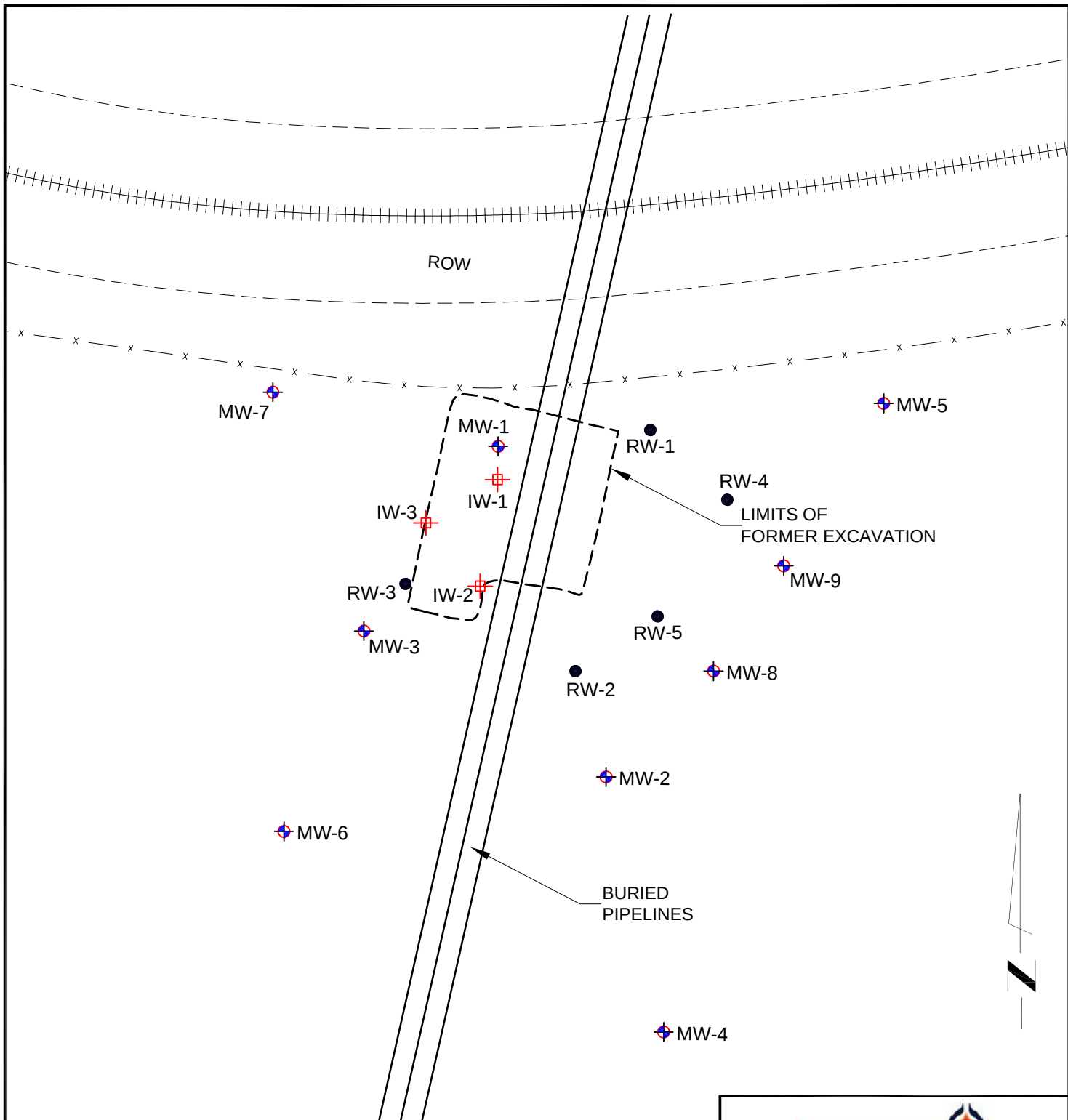


Figure 1
Site Location Map
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- ⊕ IW-1 -Recovery/Injection Well Location

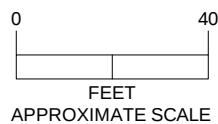
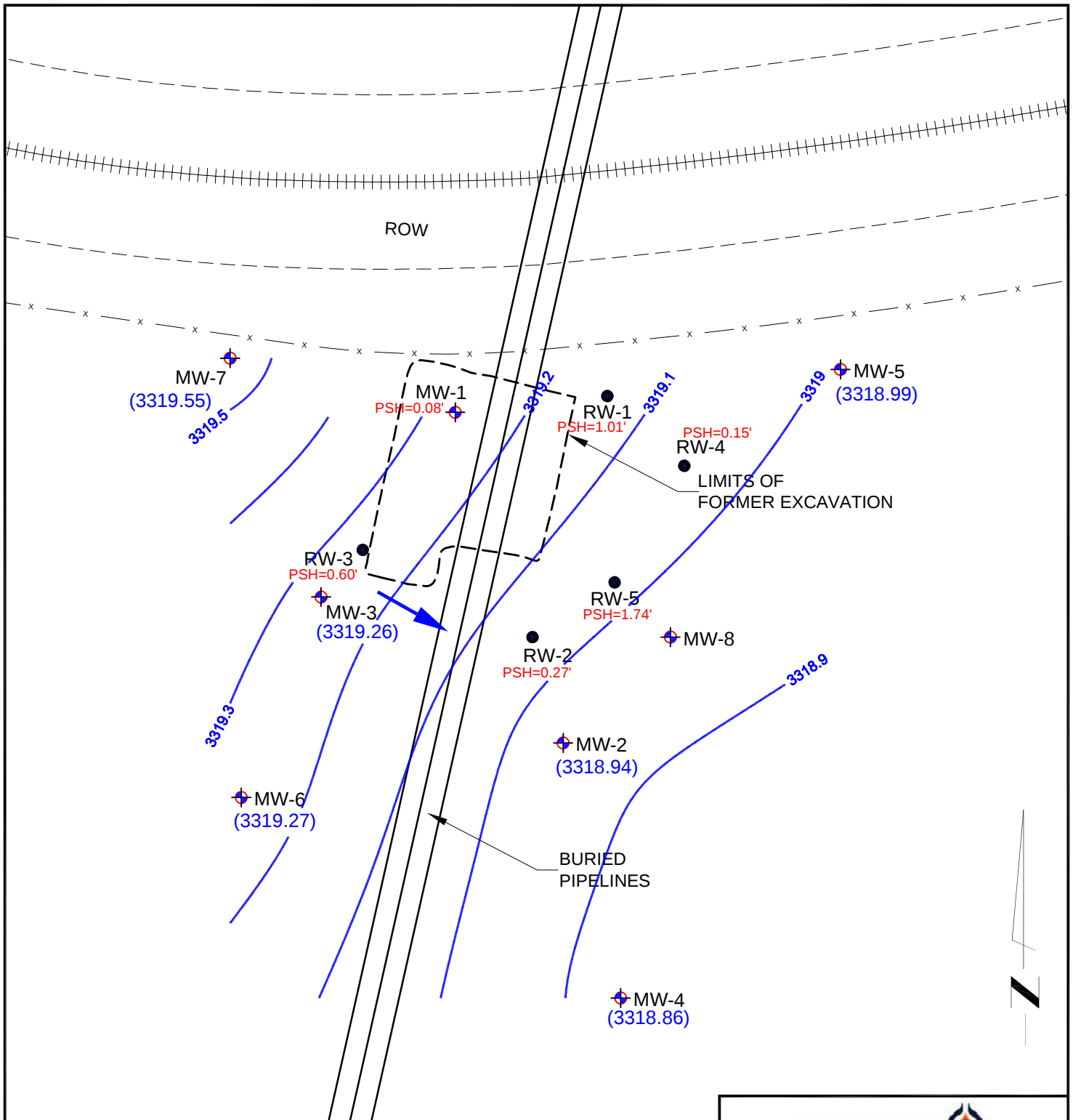


Figure 2
Site Map
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-3, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

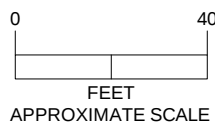
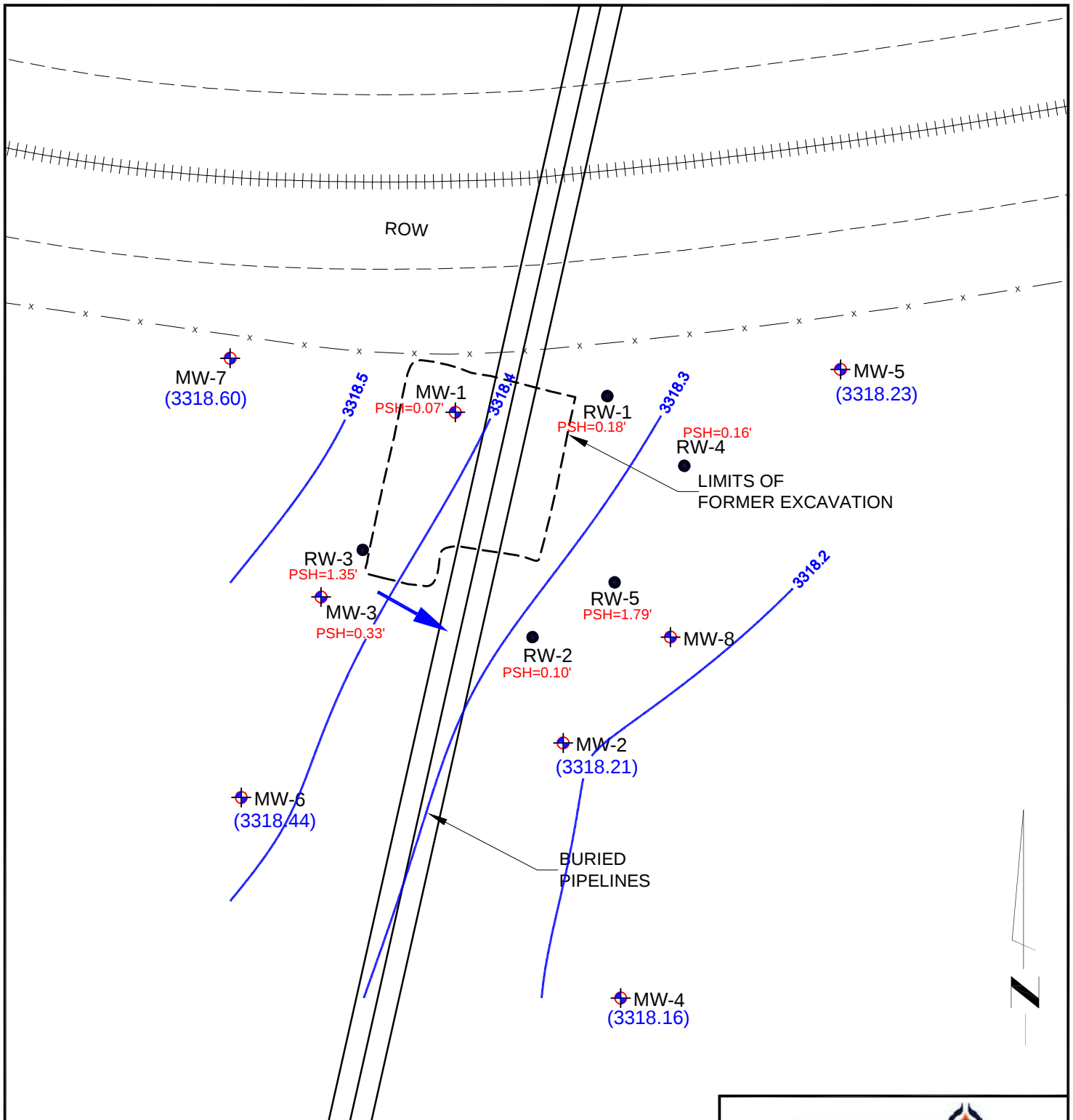


Figure 3A
1st Quarter 2013 - Groundwater Gradient Map
February 28, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 11/13



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-3, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

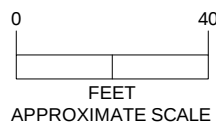
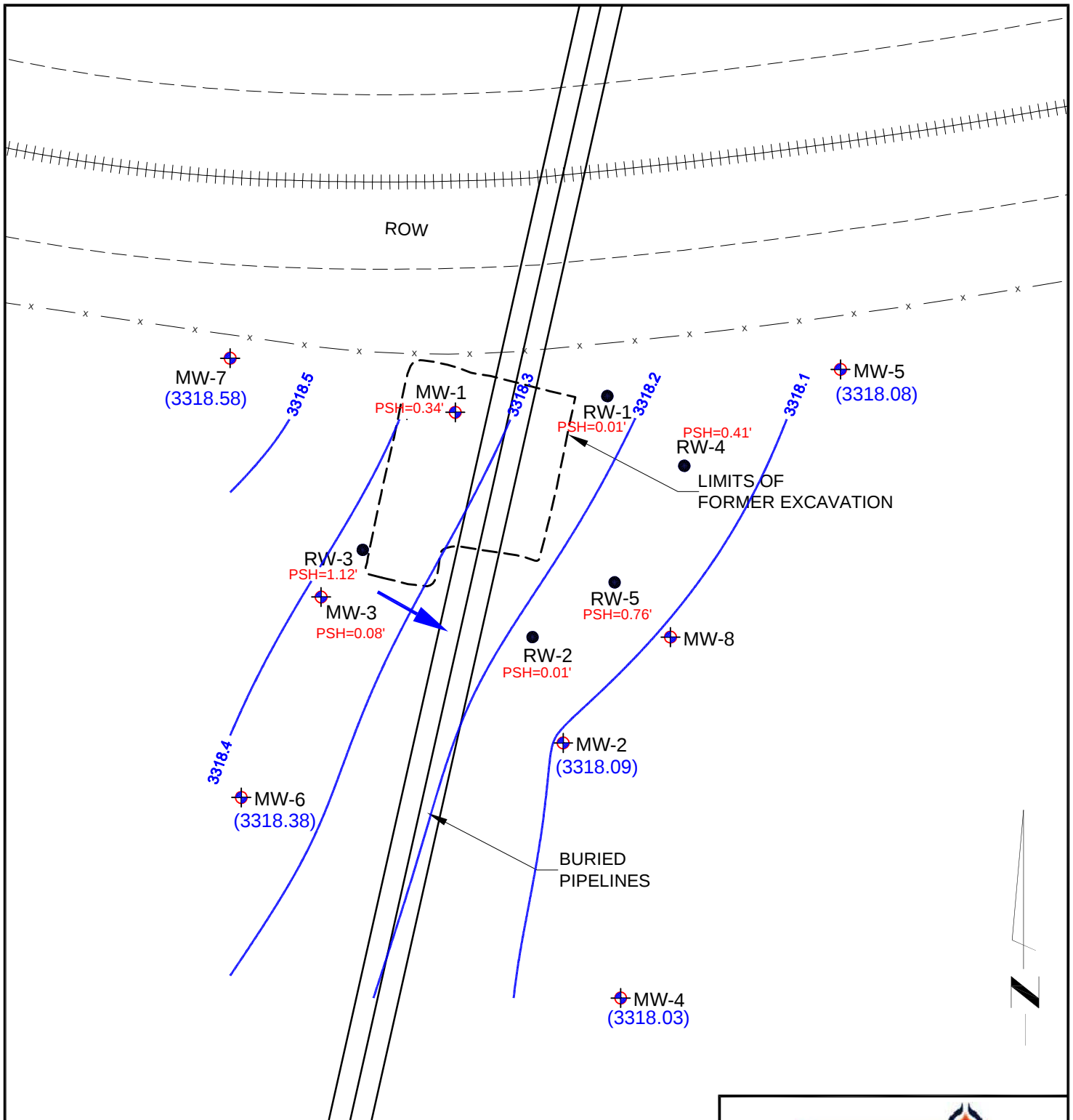


Figure 3B
2nd Quarter 2013 - Groundwater Gradient Map
June 12, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 11/13



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- 2860.75- - Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-3, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

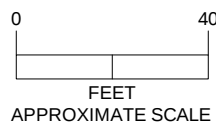
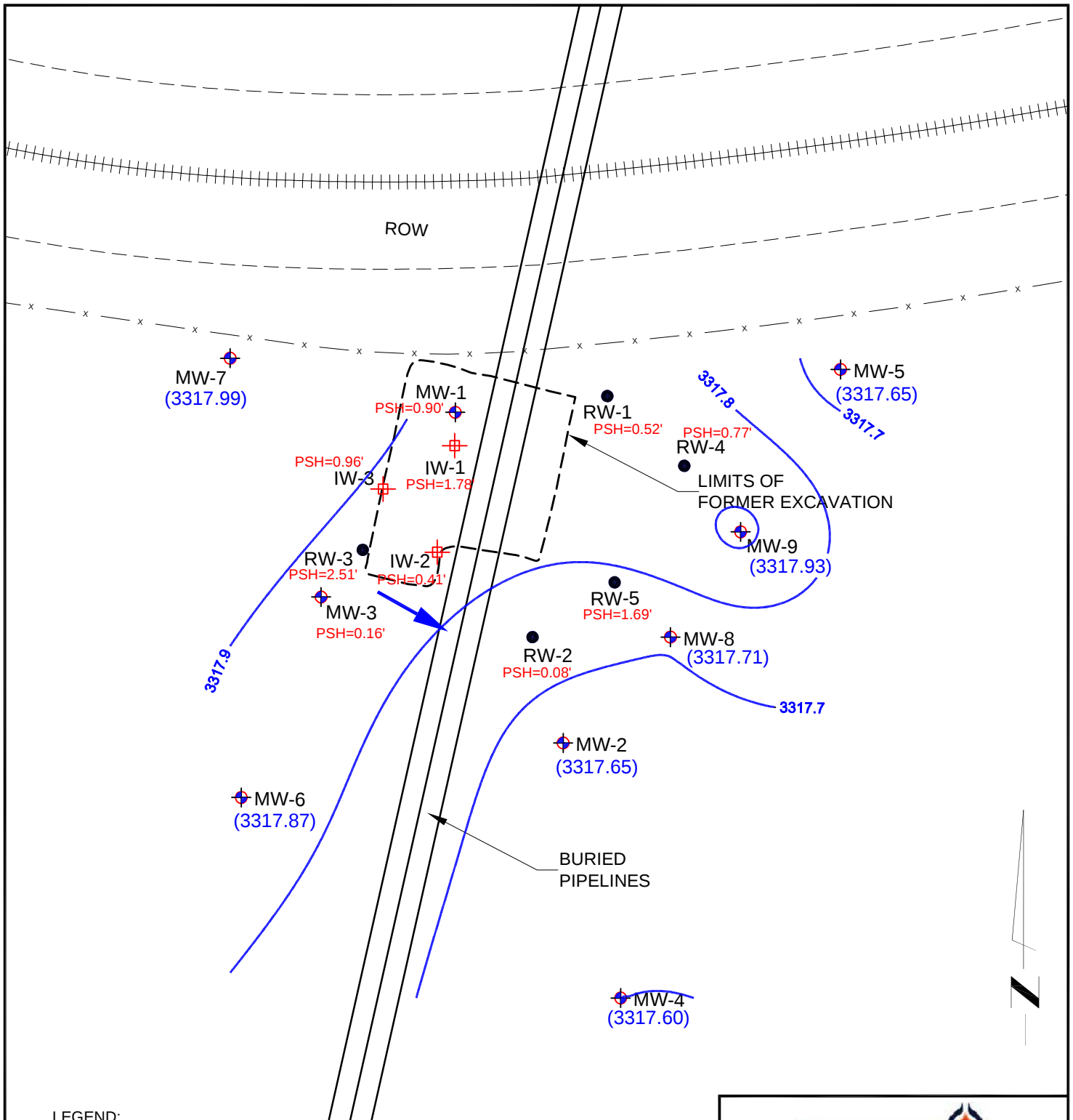


Figure 3C
3rd Quarter 2013 - Groundwater Gradient Map
September 10, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 11/13



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- ⊕ IW-1 -Recovery/Injection Well Location
- 2860.75- Groundwater Elevation Contour, ft.
Contour Interval = 0.10'
- (2860.46) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

Note: MW-1, MW-3, MW-8, & RW-1 through RW-5 are not used to prepare the contours.

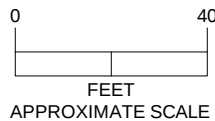
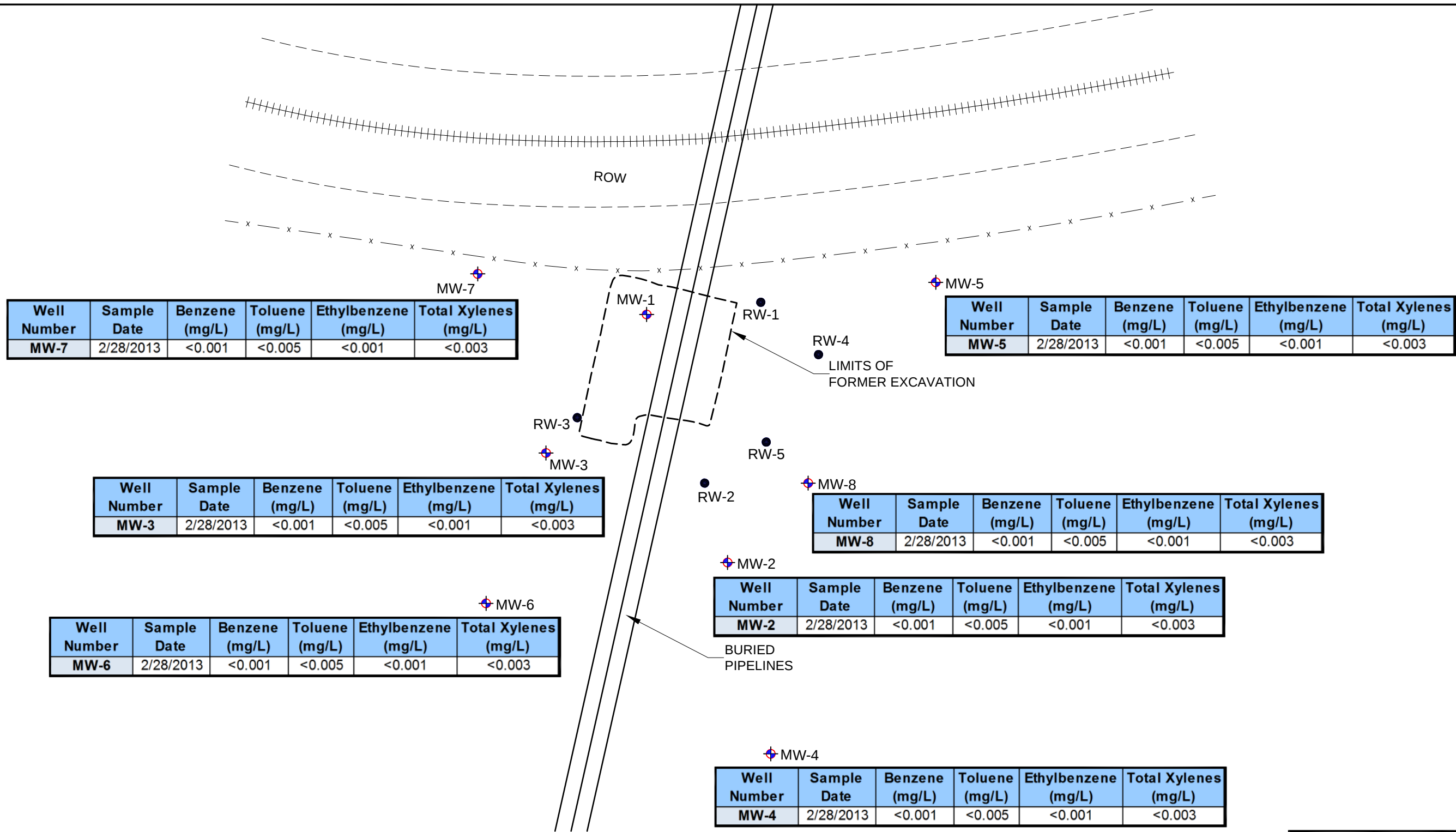


Figure 3D
4th Quarter 2013 - Groundwater Gradient Map
December 11, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

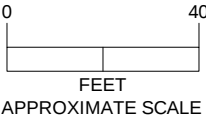
DATE: 11/13



LEGEND:
● RW-1 -Recovery Well Location
⊕ MW-1 -Monitor Well Location

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

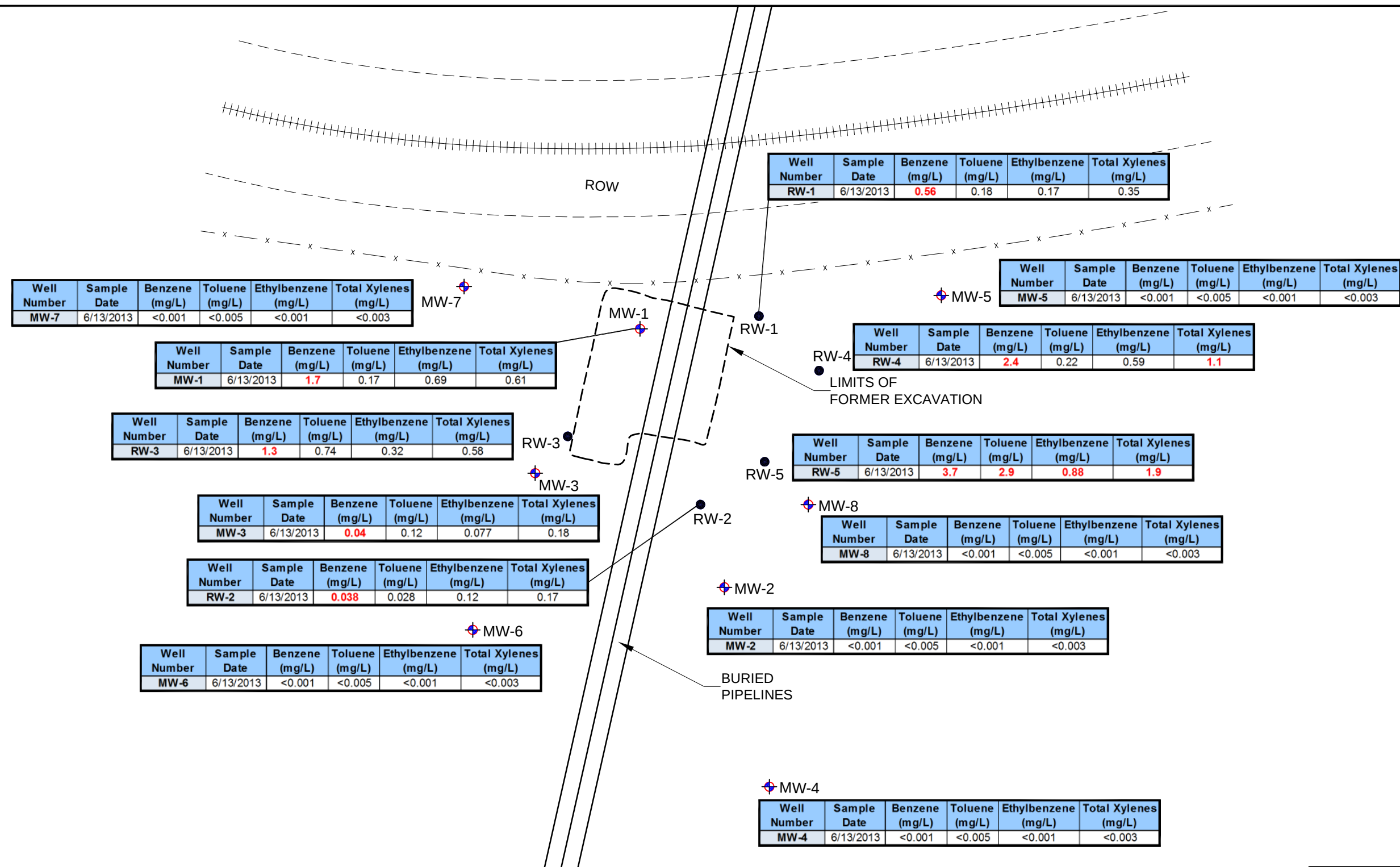




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Figure 4A
1st Quarter 2013 Groundwater Analytical Map
February 28, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014 | DATE: 1/14



LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

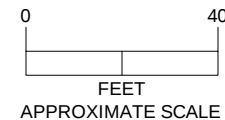
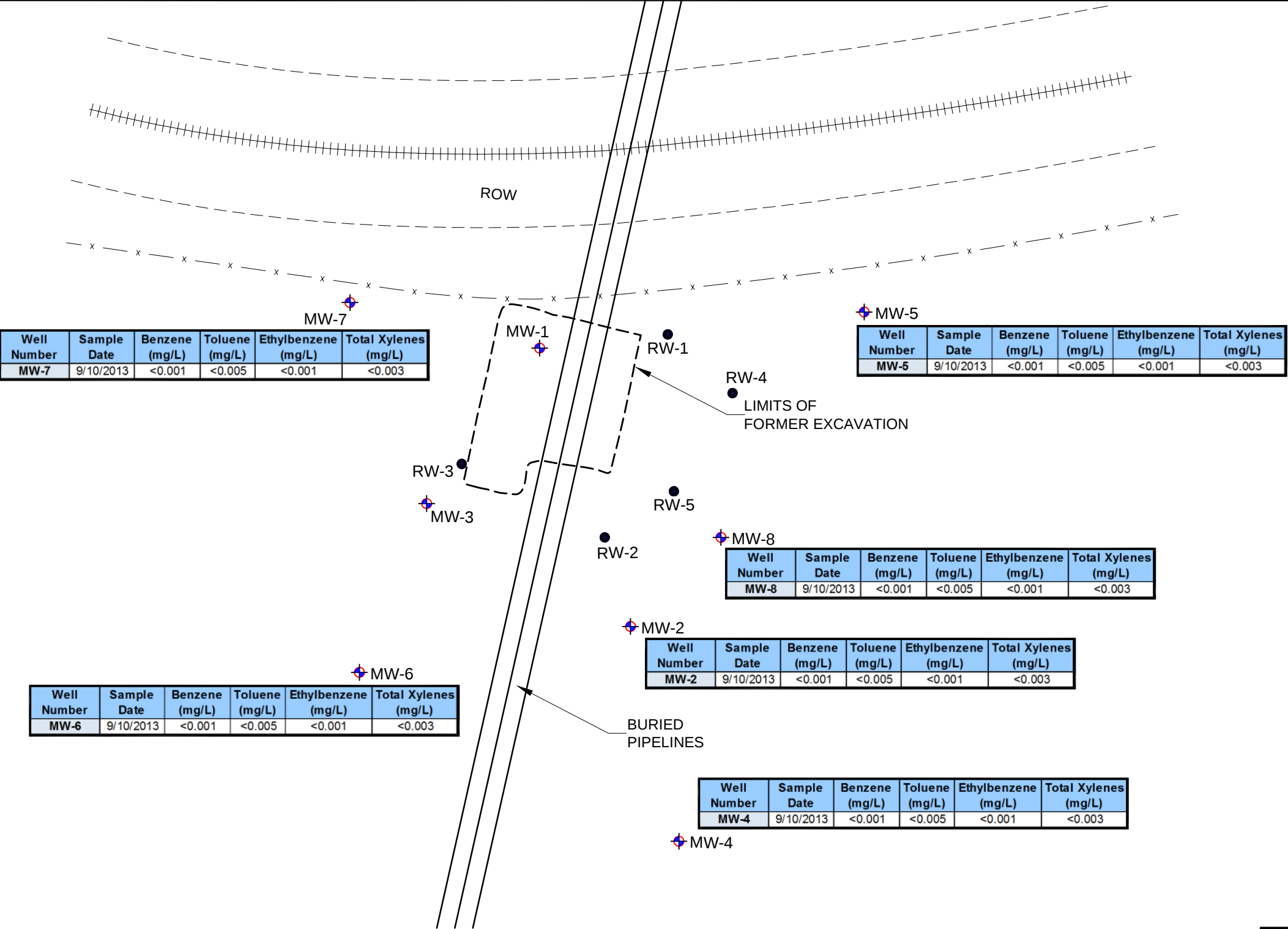


Figure 4B
2nd Quarter 2013 Groundwater Analytical Map
June 13, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

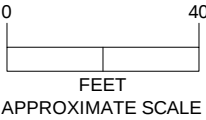


LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.



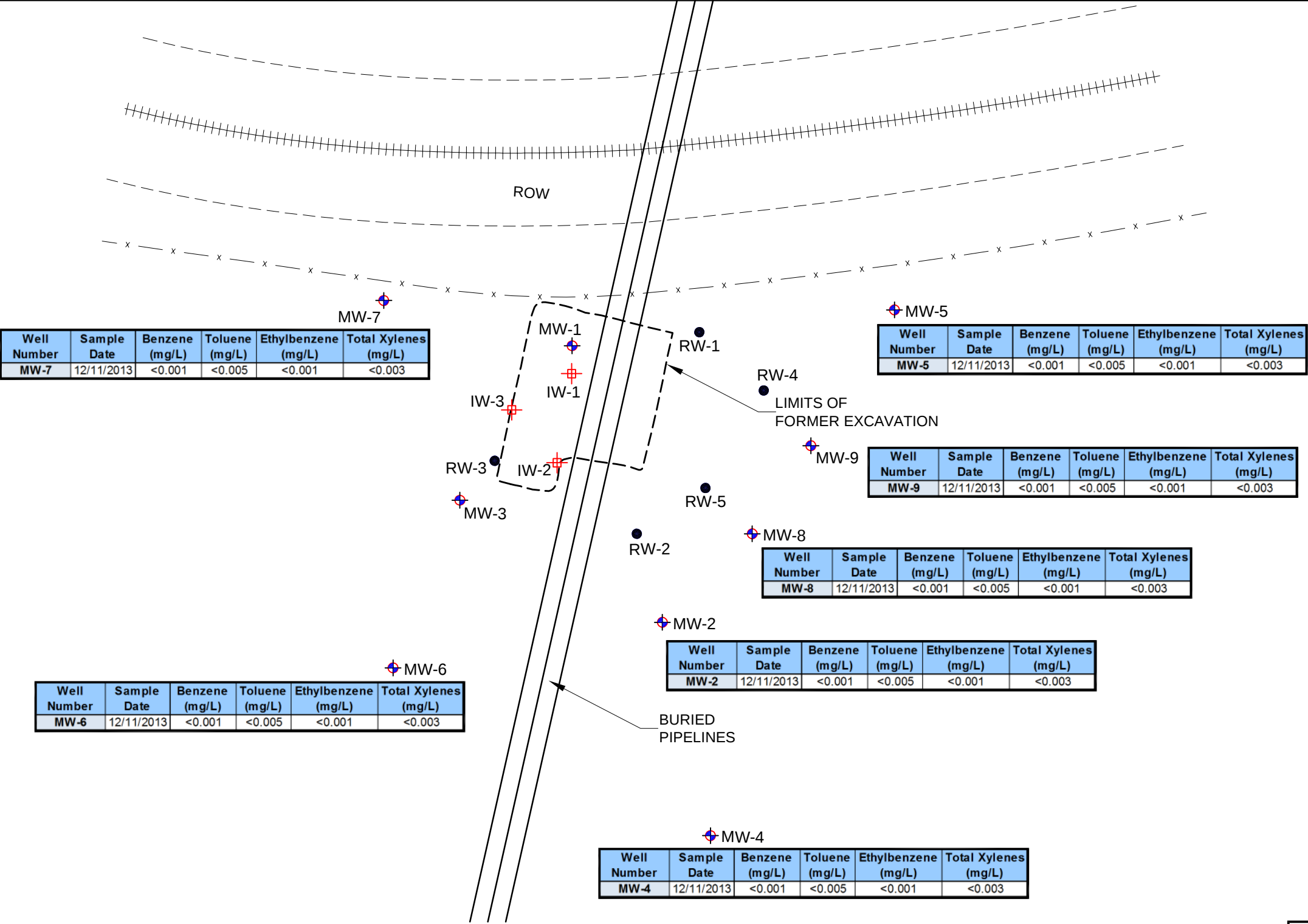


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Figure 4C
3rd Quarter 2013 Groundwater Analytical Map
September 10, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014

DATE: 1/14

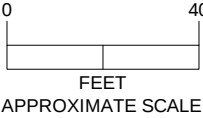


LEGEND:

- RW-1 -Recovery Well Location
- ◆ MW-1 -Monitor Well Location
- ⊕ IW-1 -Recovery/Injection Well Location

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.





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Figure 4D
4th Quarter 2013 Groundwater Analytical Map
December 11, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014 | DATE: 1/14

Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
IW-1	10-15	11/6/2013	<0.025	<0.13	0.016	0.5
IW-1	15-20	11/6/2013	0.73	2.6	18	44
IW-1	30-35	11/6/2013	0.75	2.8	11	32

Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
IW-3	40-45	11/7/2013	0.0093J	0.24	0.69	1.7
IW-3	45-50	11/7/2013	0.16	1.0	1.9	4.3
IW-3	50-55	11/7/2013	<0.025	0.032J	0.28	0.66

Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
IW-2	40-45	11/7/2013	<0.005	<0.025	<0.005	<0.0015

Well Number	Sample Depth (ft.)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
MW-9	35-40	11/6/2013	<0.005	<0.025	<0.005	<0.0015
MW-9	40-45	11/6/2013	<0.005	<0.025	<0.005	<0.0015

LEGEND:

- RW-1 -Recovery Well Location
- ⊕ MW-1 -Monitor Well Location
- ⊕ IW-1 -Recovery/Injection Well Location

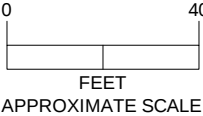
Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)
NMOCD Remediation Criteria			
10.3	252	128	82

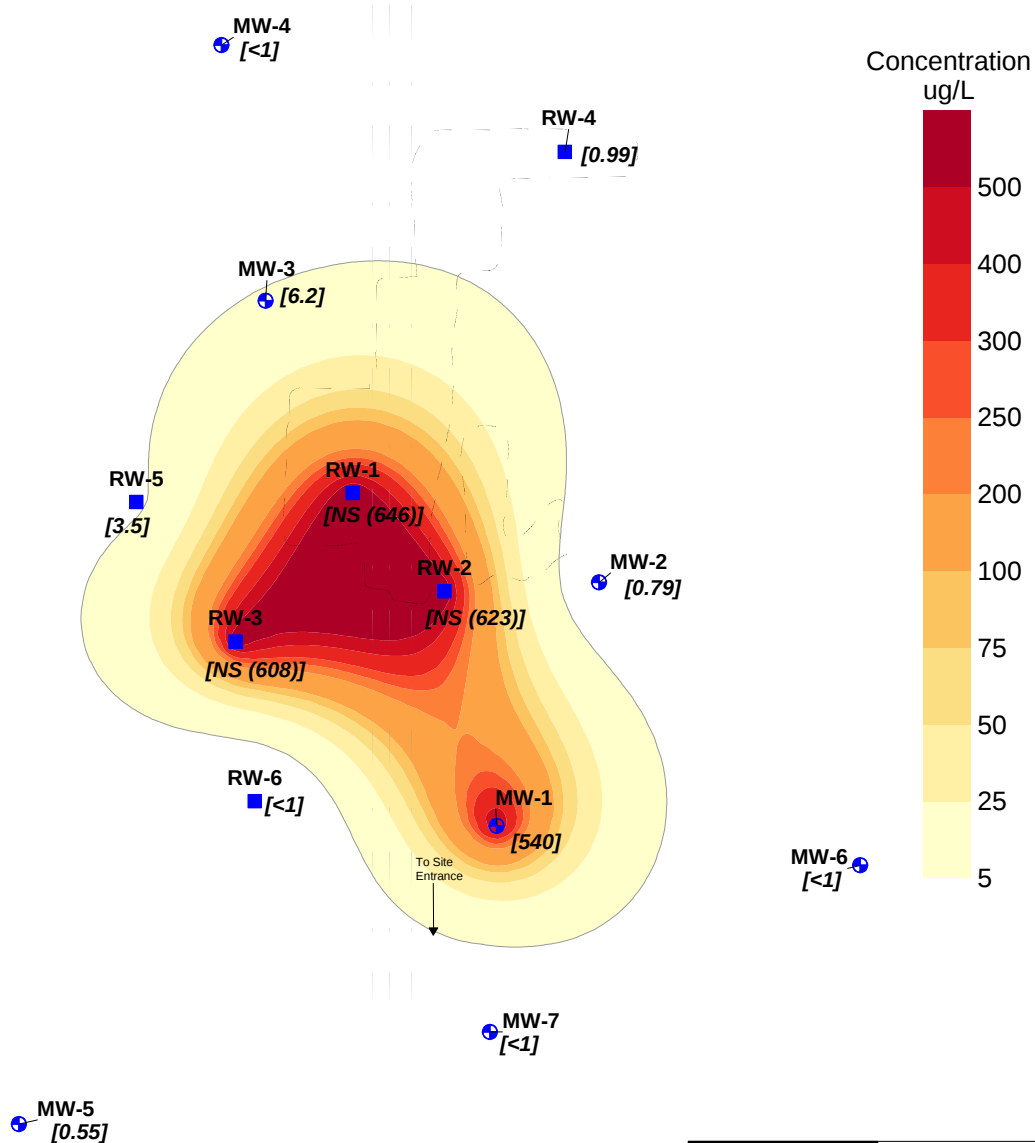
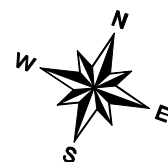
Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.



Figure 5
Soil Analytical Map
November 6 & 7, 2013
Vacuum to Jal 14" Mainline #3
SRS. No.: 2003-00117
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12014 DATE: 1/14





LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

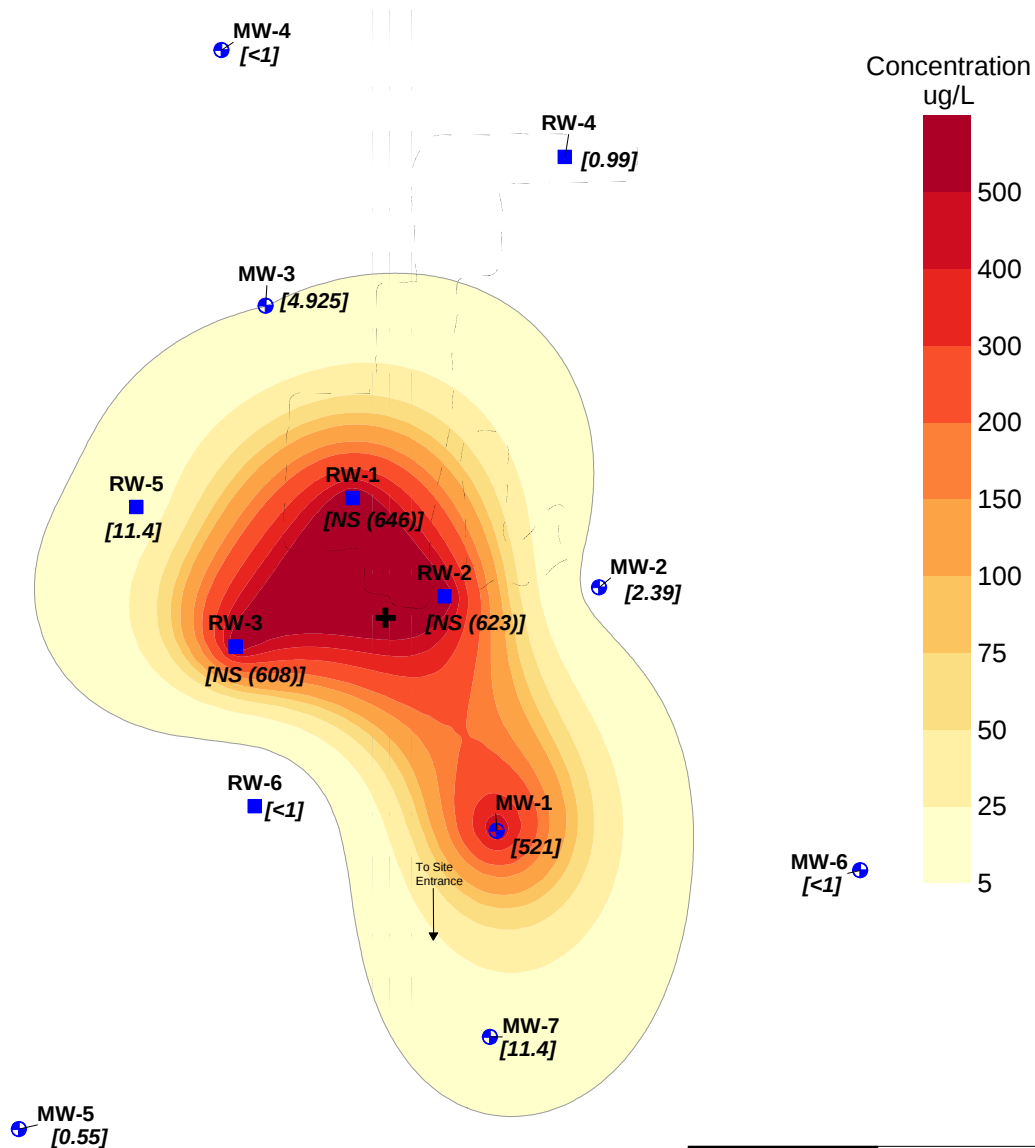
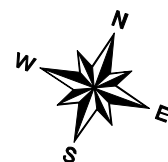
+ Plume Center of Mass

[2] Benzene Concentration (ug/L)

[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)



Figure 5
Benzene in Groundwater - 2006
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico



0 FT 90 FT 180 FT

LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

+ Plume Center of Mass

[2] Benzene Concentration (ug/L)

[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)



Figure 6
Benzene in Groundwater - 2007
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico

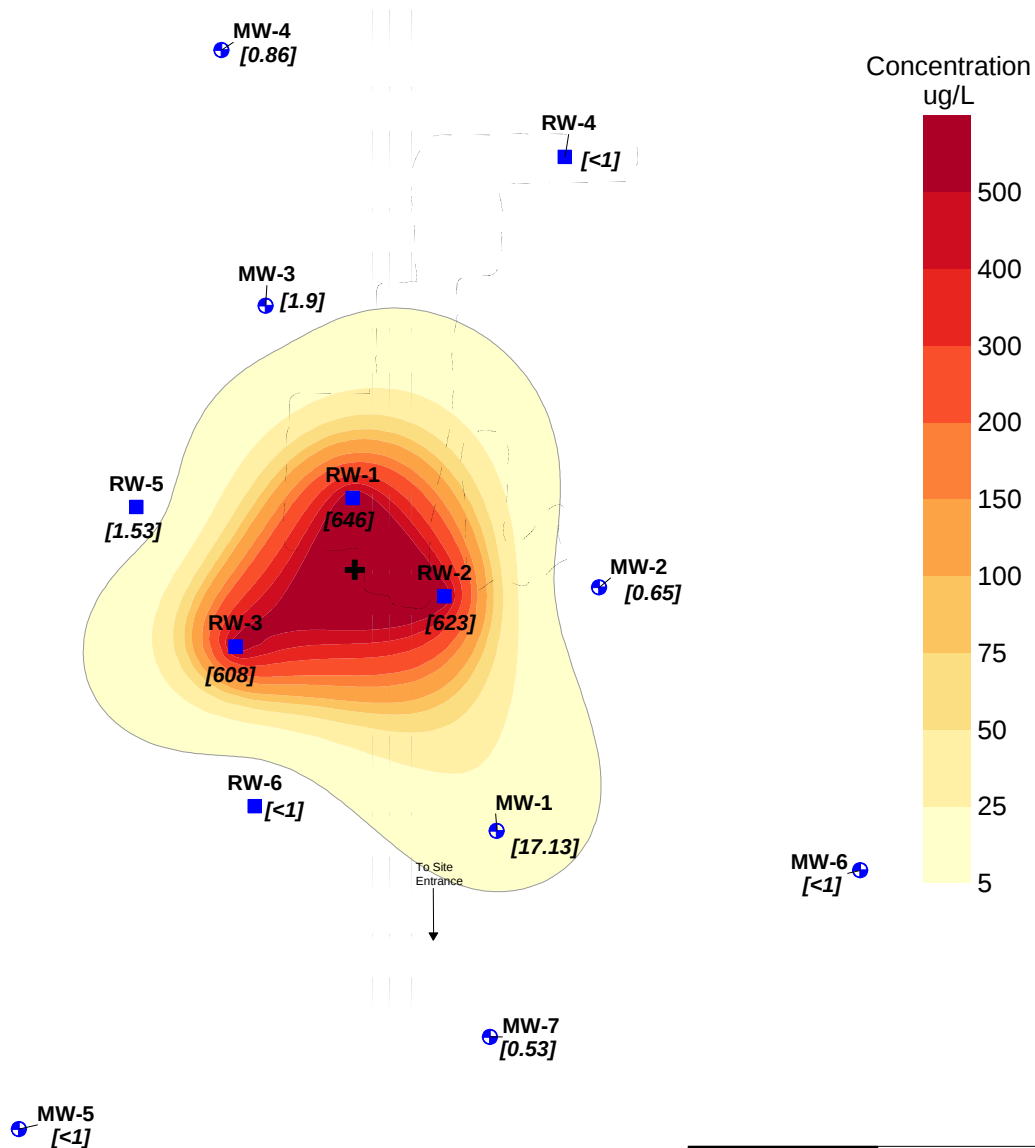
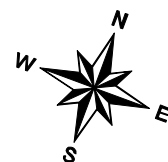
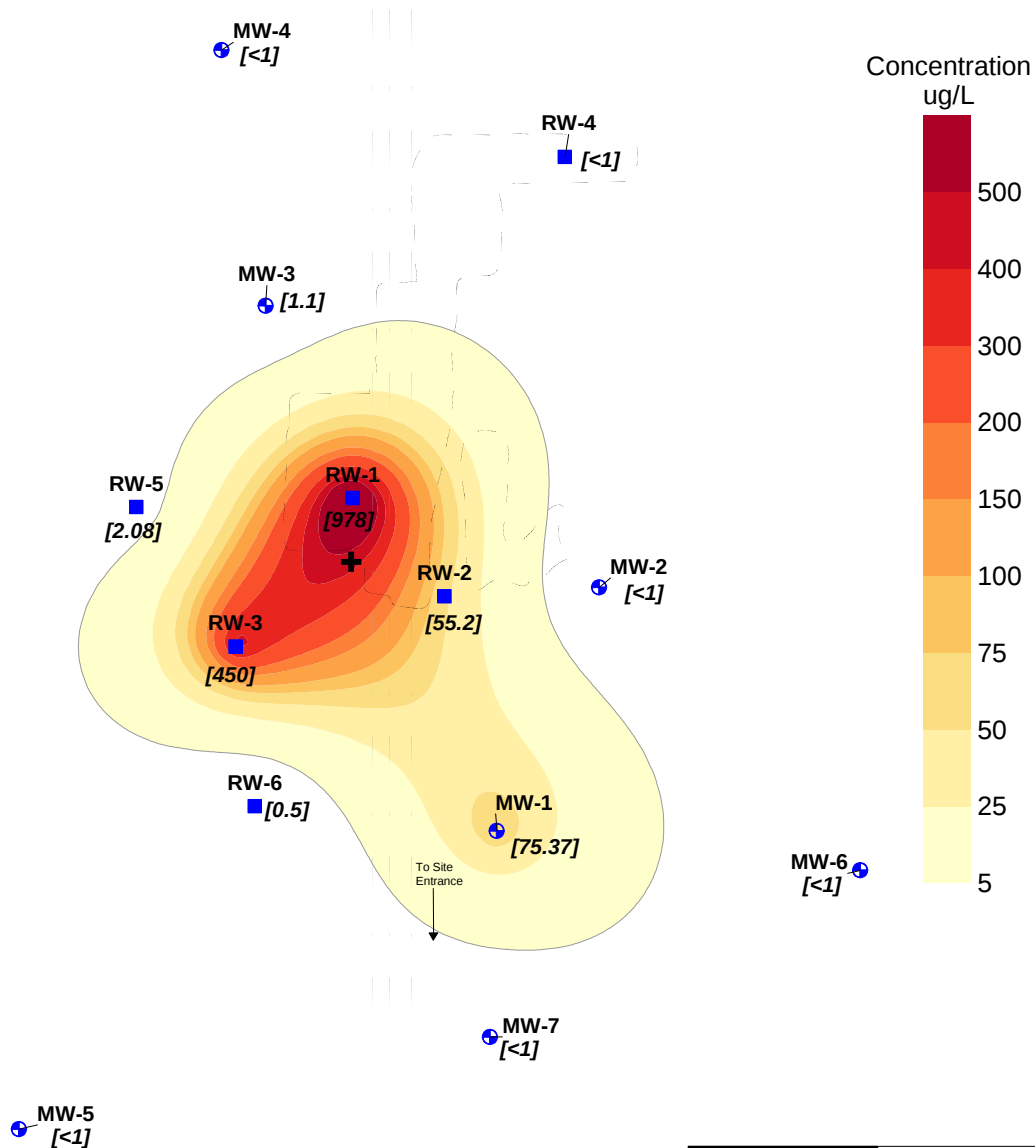
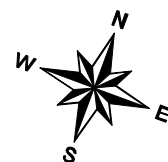
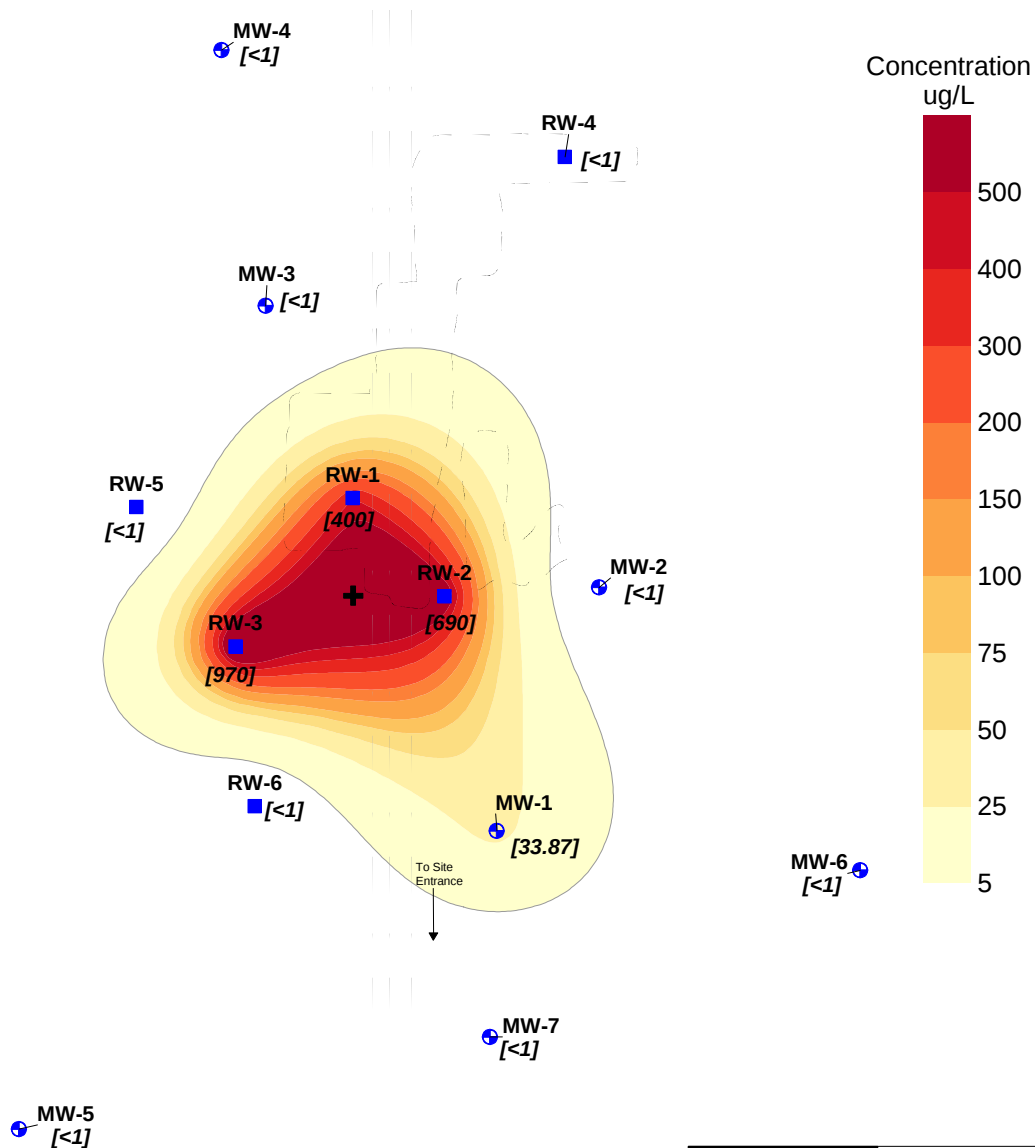
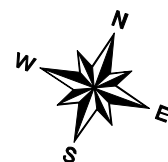


Figure 7
Benzene in Groundwater - 2008
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico





LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

+ Plume Center of Mass

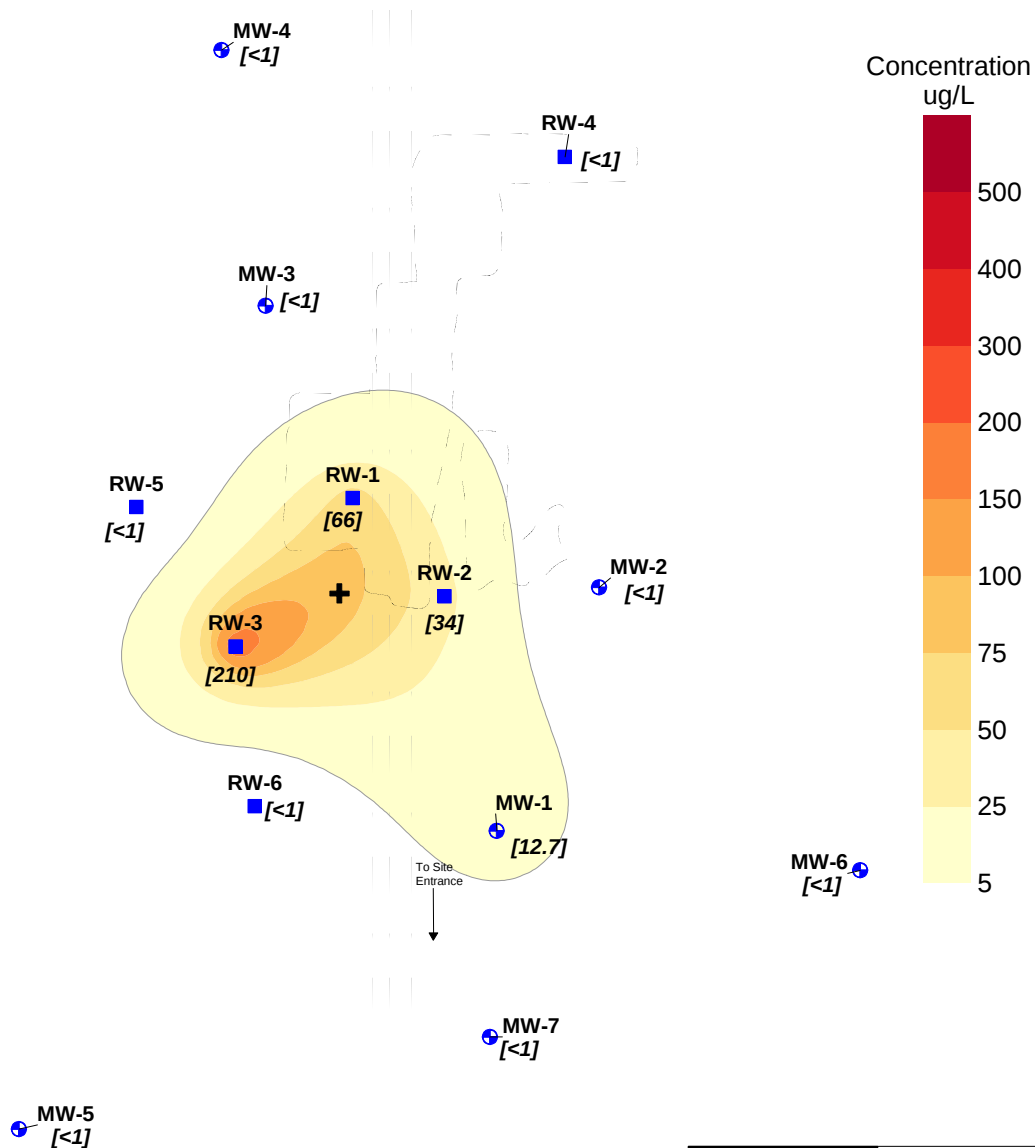
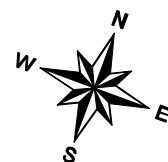
[2] Benzene Concentration (ug/L)

[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)

0 FT 90 FT 180 FT



Figure 9
Benzene in Groundwater - 2010
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico



LEGEND:

RW ■ RW - Recovery Wells

MW ● MW - Monitor Wells

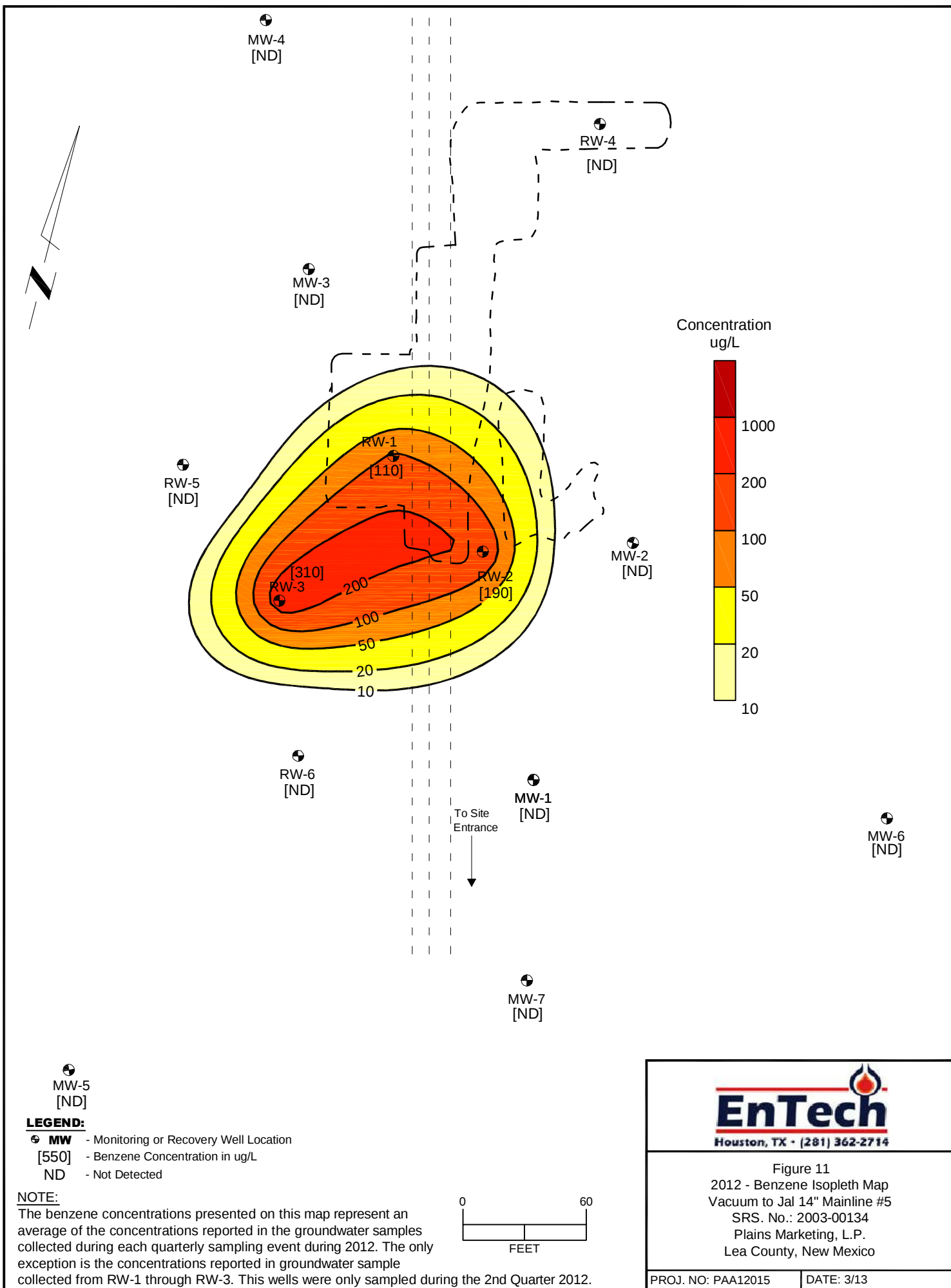
+ Plume Center of Mass

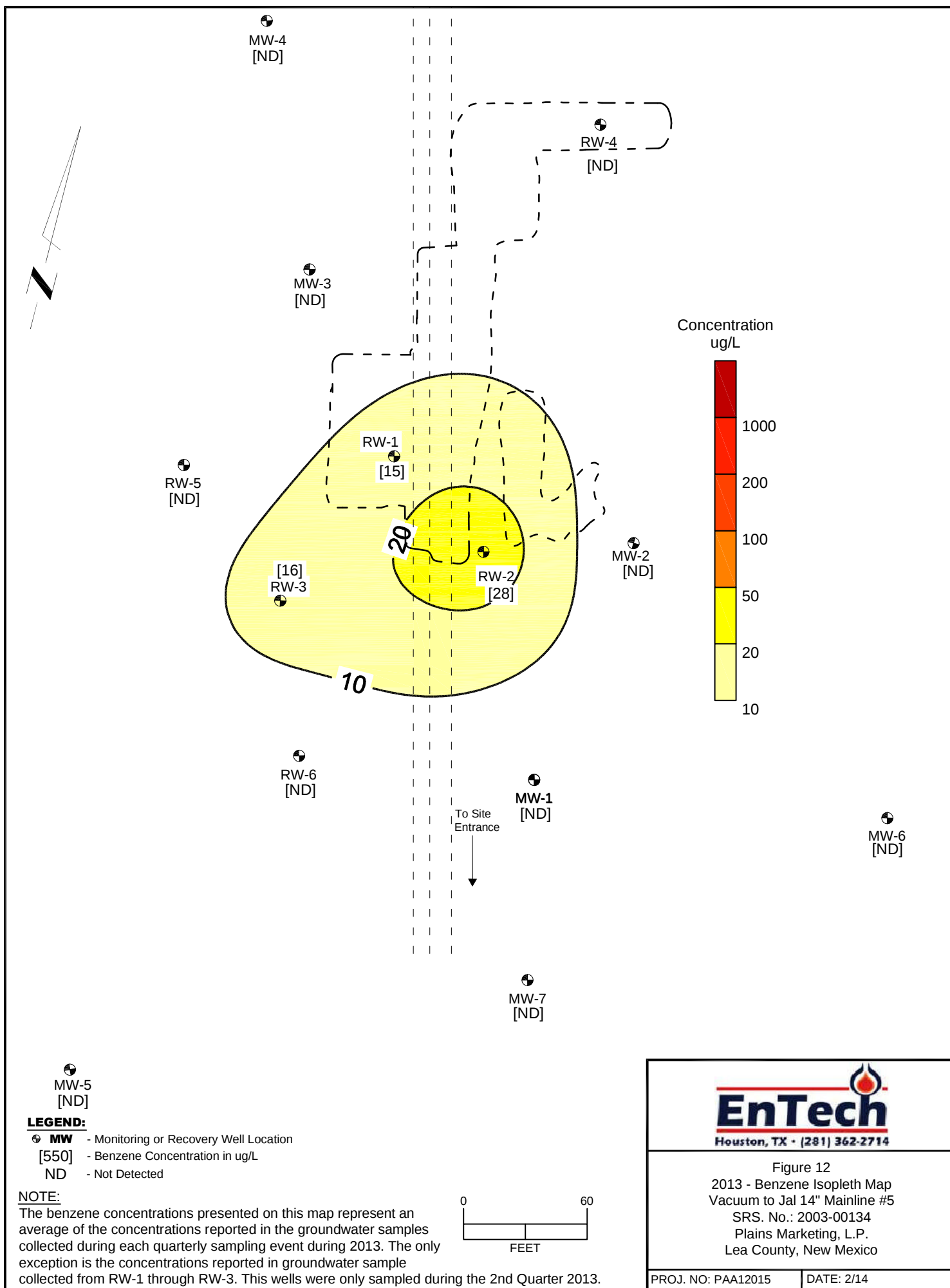
[2] Benzene Concentration (ug/L)

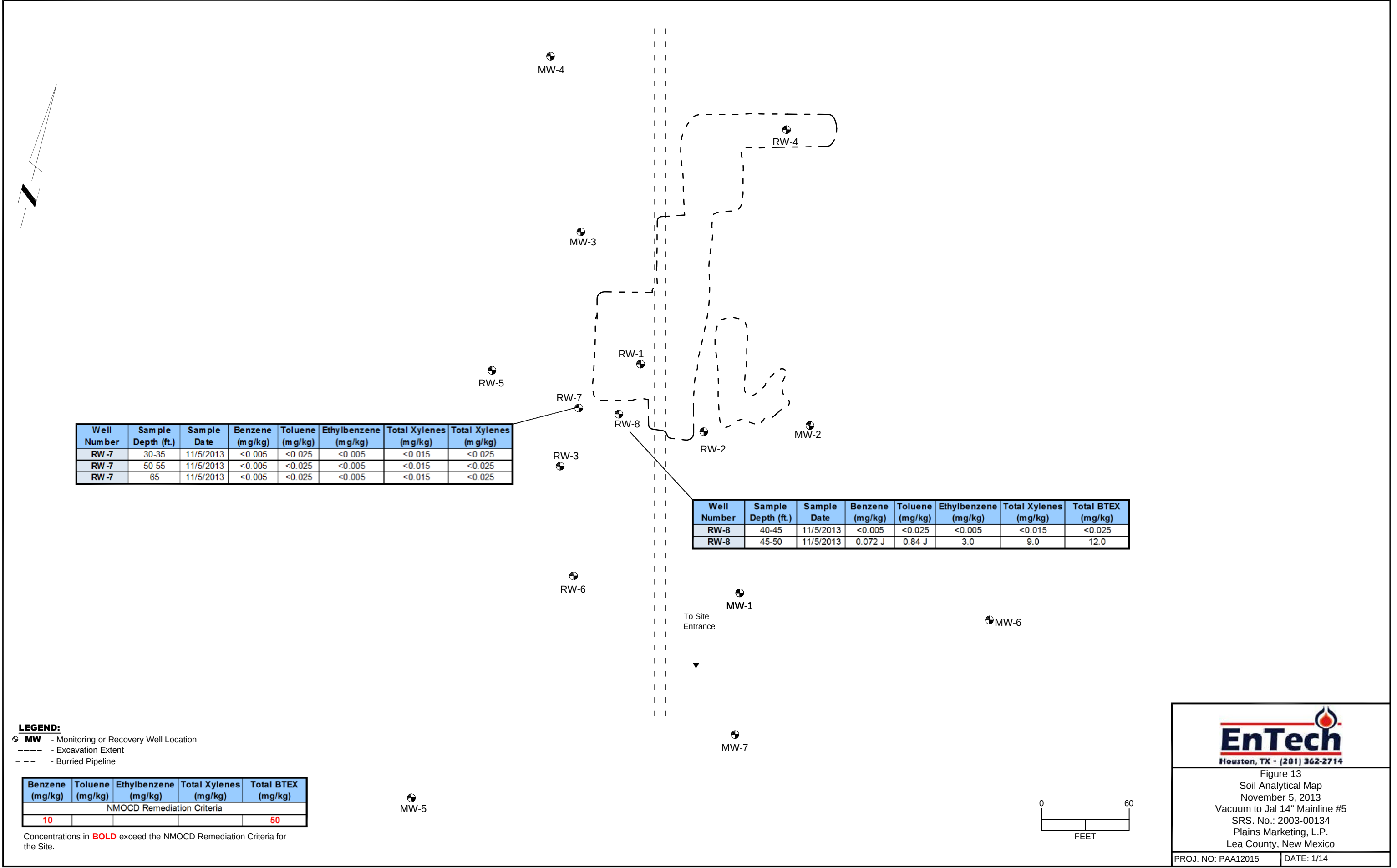
[NS (803)] Well Not Sampled,
Assumed Concentration (ug/L)



Figure 10
Benzene in Groundwater - 2011
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Lea County, New Mexico







TABLES

Table 1	2013 Well Survey Data and Groundwater Elevations
Table 2	Historical Well Survey Data and Groundwater Elevations
Table 3	2013 Groundwater Analytical Results
Table 4	Historical Groundwater Analytical Results
Table 5	Groundwater Analytical Results for Polynuclear Aromatic Hydrocarbons (PAHs) from Wells with PSH/Sheen
Table 6	2013 Monthly PSH and Dissolved Phase Groundwater Recovery Data
Table 7	2013 Soil Analytical Data

TABLE 1
2013 WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	02/27/13	3363.04	64.14	ND	50.92	ND	NA	NA	NA	3312.12	Sampled
MW-1	06/11/13	3363.04	64.14	ND	50.92	ND	NA	NA	NA	3312.12	Sampled
MW-1	09/10/13	3363.04	64.14	ND	51.08	ND	NA	NA	NA	3311.96	Sampled
MW-1	11/06/13	3363.04	63.78	ND	51.09	ND	NA	NA	NA	3311.95	Sampled
MW-2	02/27/13	3362.11	64.05	ND	49.64	ND	NA	NA	NA	3312.47	Sampled
MW-2	06/11/13	3362.11	64.05	ND	49.65	ND	NA	NA	NA	3312.46	Sampled
MW-2	09/10/13	3362.11	64.05	ND	49.84	ND	NA	NA	NA	3312.27	Sampled
MW-2	11/06/13	3362.11	64.10	ND	49.82	ND	NA	NA	NA	3312.29	Sampled
MW-3	02/27/13	3362.13	64.68	ND	49.19	ND	NA	NA	NA	3312.94	Sampled
MW-3	06/11/13	3362.13	64.68	ND	49.20	ND	NA	NA	NA	3312.93	Sampled
MW-3	09/10/13	3362.13	64.68	ND	49.34	ND	NA	NA	NA	3312.79	Sampled
MW-3	11/06/13	3362.13	64.72	ND	49.38	ND	NA	NA	NA	3312.75	Sampled
MW-4	02/27/13	3362.49	63.40	ND	49.19	ND	NA	NA	NA	3313.30	Sampled
MW-4	06/11/13	3362.49	63.40	ND	49.20	ND	NA	NA	NA	3313.29	Sampled
MW-4	09/10/13	3362.49	63.40	ND	49.35	ND	NA	NA	NA	3313.14	Sampled
MW-4	11/06/13	3362.49	63.48	ND	49.38	ND	NA	NA	NA	3313.11	Sampled
MW-5	02/27/13	3363.67	63.71	ND	51.92	ND	NA	NA	NA	3311.75	Sampled
MW-5	06/11/13	3363.67	63.71	ND	51.90	ND	NA	NA	NA	3311.77	Sampled
MW-5	09/10/13	3363.67	63.71	ND	52.05	ND	NA	NA	NA	3311.62	Sampled
MW-5	11/06/13	3363.67	63.81	ND	52.06	ND	NA	NA	NA	3311.61	Sampled
MW-6	02/27/13	3362.6	63.41	ND	50.67	ND	NA	NA	NA	3311.93	Sampled
MW-6	06/11/13	3362.6	63.41	ND	50.76	ND	NA	NA	NA	3311.84	Sampled
MW-6	09/10/13	3362.6	63.41	ND	50.91	ND	NA	NA	NA	3311.69	Sampled
MW-6	11/06/13	3362.6	63.50	ND	50.94	ND	NA	NA	NA	3311.66	Sampled
MW-7	02/27/13	3362.75	63.59	ND	50.94	ND	NA	NA	NA	3311.81	Sampled
MW-7	06/11/13	3362.75	63.59	ND	50.94	ND	NA	NA	NA	3311.81	Sampled
MW-7	09/10/13	3362.75	63.59	ND	51.08	ND	NA	NA	NA	3311.67	Sampled
MW-7	11/06/13	3362.75	63.65	ND	51.10	ND	NA	NA	NA	3311.65	Sampled

TABLE 1
2013 WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	02/27/13	3360.67	61.65	50.75	50.87	0.12	NA	NA	NA	3309.90	
RW-1	06/11/13	3360.67	61.65	50.81	50.91	0.10	NA	NA	NA	3309.85	Sampled
RW-1	09/10/13	3360.67	61.65	50.92	51.12	0.20	NA	NA	NA	3309.72	
RW-1	11/06/13	3360.67	61.65	49.96	50.18	0.22	NA	NA	NA	3310.68	
RW-2	02/27/13	3362.00	61.10	49.68	50.12	0.44	NA	NA	NA	3312.25	
RW-2	06/11/13	3362.00	61.10	49.74	50.16	0.42	NA	NA	NA	3312.20	Sampled
RW-2	09/10/13	3362.00	61.10	49.84	51.12	1.28	NA	NA	NA	3311.97	
RW-2	11/06/13	3362.00	61.10	49.86	50.52	0.66	NA	0.50	9.50	3312.04	
RW-3	02/27/13	3361.93	63.66	50.23	50.43	0.20	NA	NA	NA	3311.67	
RW-3	06/11/13	3361.93	63.66	50.29	50.51	0.22	NA	NA	NA	3311.61	Sampled
RW-3	09/10/13	3361.93	63.66	50.46	50.51	0.05	NA	NA	NA	3311.46	
RW-3	11/06/13	3361.93	63.66	50.48	50.52	0.04	NA	NA	NA	3311.44	
RW-4	02/27/13	3363.22	63.51	ND	50.11	ND	NA	NA	NA	3313.11	Sampled
RW-4	06/11/13	3363.22	63.51	ND	50.12	ND	NA	NA	NA	3313.10	Sampled
RW-4	09/10/13	3363.22	63.51	ND	50.28	ND	NA	NA	NA	3312.94	Sampled
RW-4	11/06/13	3363.22	63.65	ND	50.29	ND	NA	NA	NA	3312.93	Sampled
RW-5	02/27/13	3362.38	64.00	ND	49.70	ND	NA	NA	NA	3312.68	Sampled
RW-5	06/11/13	3362.38	64.00	ND	49.71	ND	NA	NA	NA	3312.67	Sampled
RW-5	09/10/13	3362.38	64.00	ND	49.84	ND	NA	NA	NA	3312.54	Sampled
RW-5	11/06/13	3362.38	64.05	ND	49.86	ND	NA	NA	NA	3312.52	Sampled
RW-6	02/27/13	3363.11	64.12	ND	50.96	ND	NA	NA	NA	3312.15	Sampled
RW-6	06/11/13	3363.11	64.12	ND	50.95	ND	NA	NA	NA	3312.16	Sampled
RW-6	09/10/13	3363.11	64.12	ND	51.11	ND	NA	NA	NA	3312.00	Sampled
RW-6	11/06/13	3363.11	64.22	ND	51.13	ND	NA	NA	NA	3311.98	Sampled
RW-7	11/06/13	3362.52	68.56	ND	50.53	ND	NA	NA	NA	3311.99	Sampled
RW-8	11/06/13	3362.52	64.22	50.3	52.20	1.90	NA	NA	NA	3311.94	

NA: Not applicable

TABLE 1
 2013 WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery	Corrected Groundwater Elevation (ft)	Comments
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ND: Not detected

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H ₂ O		
MW-1	03/28/06	3361.00	64.19	ND	50.72	ND	NA	NA	NA	3310.28	Sampled
MW-1	03/29/06	3361.00	NG	ND	50.72	ND	NA	NA	NA	3310.28	
MW-1	04/13/06	3361.00	NG	ND	50.75	ND	NA	NA	NA	3310.25	
MW-1	04/25/06	3361.00	NG	ND	50.73	ND	NA	NA	NA	3310.27	
MW-1	05/03/06	3361.00	NG	ND	50.66	ND	NA	NA	NA	3310.34	
MW-1	05/11/06	3361.00	NG	ND	50.77	ND	NA	NA	NA	3310.23	
MW-1	05/24/06	3361.00	NG	ND	50.10	ND	NA	NA	NA	3310.90	
MW-1	06/07/06	3361.00	NG	ND	50.68	ND	NA	NA	NA	3310.32	
MW-1	06/15/06	3361.00	NG	ND	50.68	ND	NA	NA	NA	3310.32	
MW-1	06/29/06	3361.00	NG	ND	50.71	ND	NA	NA	NA	3310.29	
MW-1	07/11/06	3361.00	NG	ND	50.67	ND	NA	NA	NA	3310.33	
MW-1	07/25/06	3361.00	NG	ND	50.68	ND	NA	NA	NA	3310.32	
MW-1	08/09/06	3361.00	NG	ND	50.65	ND	NA	NA	NA	3310.35	
MW-1	08/22/06	3361.00	NG	ND	50.70	ND	NA	NA	NA	3310.30	
MW-1	09/12/06	3361.00	64.16	ND	50.65	ND	NA	NA	NA	3310.35	Sampled
MW-1	09/19/06	3361.00	NG	ND	50.67	ND	NA	NA	NA	3310.33	
MW-1	10/03/06	3361.00	NG	ND	50.65	ND	NA	NA	NA	3310.35	
MW-1	10/17/06	3361.00	NG	ND	50.65	ND	NA	NA	NA	3310.35	
MW-1	10/31/06	3361.00	NG	ND	50.67	ND	NA	NA	NA	3310.33	
MW-1	11/15/06	3361.00	NG	ND	50.66	ND	NA	NA	NA	3310.34	
MW-1	12/06/06	3363.04	64.10	ND	50.60	ND	NA	NA	NA	3312.44	Sampled
MW-1	12/13/06	3363.04	NG	ND	50.65	ND	NA	NA	NA	3312.39	
MW-1	12/27/06	3363.04	NG	ND	50.49	ND	NA	NA	NA	3312.55	
MW-1	01/03/07	3363.04	NG	ND	50.59	ND	NA	NA	NA	3312.45	
MW-1	01/09/07	3363.04	NG	ND	50.60	ND	NA	NA	NA	3312.44	
MW-1	01/18/07	3363.04	NG	ND	50.54	ND	NA	NA	NA	3312.50	
MW-1	01/22/07	3363.04	NG	ND	50.44	ND	NA	NA	NA	3312.60	
MW-1	02/01/07	3363.04	NG	ND	50.31	ND	NA	NA	NA	3312.73	
MW-1	02/07/07	3363.04	NG	ND	50.51	ND	NA	NA	NA	3312.53	
MW-1	02/14/07	3363.04	NG	ND	50.48	ND	NA	NA	NA	3312.56	
MW-1	02/21/07	3363.04	NG	ND	50.47	ND	NA	NA	NA	3312.57	
MW-1	02/28/07	3363.04	64.18	ND	50.38	ND	NA	NA	NA	3312.66	Sampled
MW-1	03/07/07	3363.04	NG	ND	50.46	ND	NA	NA	NA	3312.58	
MW-1	04/03/07	3363.04	NG	ND	50.43	ND	NA	NA	NA	3312.61	
MW-1	05/30/07	3363.04	64.13	ND	50.38	ND	NA	NA	NA	3312.66	Sampled
MW-1	06/06/07	3363.04	64.13	ND	50.25	ND	NA	NA	NA	3312.79	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-1	07/05/07	3363.04	64.19	ND	50.26	ND	NA	NA	NA	3312.78	
MW-1	07/31/07	3363.04	64.20	ND	50.31	ND	NA	NA	NA	3312.73	
MW-1	09/06/07	3363.04	64.20	ND	50.25	ND	NA	NA	NA	3312.79	Sampled
MW-1	10/10/07	3363.04	64.15	ND	50.28	ND	NA	NA	NA	3312.76	
MW-1	11/13/07	3363.04	64.18	ND	50.31	ND	NA	NA	NA	3312.73	Sampled
MW-1	12/27/07	3363.04	64.18	ND	50.28	ND	NA	NA	NA	3312.76	
MW-1	01/09/08	3363.04	64.17	ND	50.25	ND	NA	NA	NA	3312.79	
MW-1	02/06/08	3363.04	64.17	ND	50.29	ND	NA	NA	NA	3312.75	
MW-1	02/27/08	3363.04	64.18	ND	50.42	ND	NA	NA	NA	3312.62	Sampled
MW-1	04/02/08	3363.04	64.18	ND	50.28	ND	NA	NA	NA	3312.76	
MW-1	05/28/08	3363.04	64.11	ND	50.38	ND	NA	NA	NA	3312.66	Sampled
MW-1	06/18/08	3363.04	64.11	ND	50.42	ND	NA	NA	NA	3312.62	
MW-1	07/07/08	3363.04	64.11	ND	50.40	ND	NA	NA	NA	3312.64	
MW-1	08/18/08	3363.04	64.14	ND	50.46	ND	NA	NA	NA	3312.58	Sampled
MW-1	10/29/08	3363.04	64.18	ND	50.52	ND	NA	NA	NA	3312.52	
MW-1	11/19/08	3363.04	64.18	ND	50.57	ND	NA	NA	NA	3312.47	Sampled
MW-1	12/21/08	3363.04	64.18	ND	50.56	ND	NA	NA	NA	3312.48	
MW-1	01/07/09	3363.04	64.15	ND	50.44	ND	NA	NA	NA	3312.60	
MW-1	02/04/09	3363.04	64.20	ND	50.53	ND	NA	NA	NA	3312.51	
MW-1	02/17/09	3363.04	64.18	ND	50.49	ND	NA	NA	NA	3312.55	Sampled
MW-1	03/04/09	3363.04	64.20	ND	50.46*	ND	NA	NA	NA	3312.58	
MW-1	04/08/09	3363.04	64.20	ND	50.51	ND	NA	NA	NA	3312.53	
MW-1	05/06/09	3363.04	64.20	ND	50.56	ND	NA	NA	NA	3312.48	
MW-1	05/19/09	3363.04	64.20	ND	50.61	ND	NA	NA	NA	3312.43	Sampled
MW-1	06/03/09	3363.04	64.20	ND	50.63	ND	NA	NA	NA	3312.41	
MW-1	07/15/09	3363.04	64.20	ND	50.64	ND	NA	NA	NA	3312.40	
MW-1	08/05/09	3363.04	64.20	ND	50.67	ND	NA	NA	NA	3312.37	
MW-1	08/26/09	3363.04	64.14	ND	50.68	ND	NA	NA	NA	3312.36	Sampled
MW-1	09/02/09	3363.04	64.14	ND	50.68	ND	NA	NA	NA	3312.36	
MW-1	10/07/09	3363.04	64.14	ND	50.70	ND	NA	NA	NA	3312.34	
MW-1	11/04/09	3363.04	64.14	ND	50.75	ND	NA	NA	NA	3312.29	
MW-1	11/18/09	3363.04	64.14	ND	50.70	ND	NA	NA	NA	3312.34	Sampled
MW-1	12/02/09	3363.04	64.14	ND	50.78	ND	NA	NA	NA	3312.26	
MW-1	01/06/10	3363.04	64.14	ND	50.68	ND	NA	NA	NA	3312.36	
MW-1	02/11/10	3363.04	64.14	ND	50.67	ND	NA	NA	NA	3312.37	Sampled
MW-1	03/10/10	3363.04	64.14	ND	50.59	ND	NA	NA	NA	3312.45	
MW-1	04/07/10	3363.04	64.14	ND	50.64	ND	NA	NA	NA	3312.40	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-1	05/05/10	3363.04	64.14	ND	50.64	ND	NA	NA	NA	3312.40	
MW-1	05/11/10	3363.04	64.14	ND	50.55	ND	NA	NA	NA	3312.49	Sampled
MW-1	06/02/10	3363.04	64.14	ND	50.54	ND	NA	NA	NA	3312.50	
MW-1	07/07/10	3363.04	64.14	ND	50.58	ND	NA	NA	NA	3312.46	
MW-1	08/03/10	3363.04	64.14	ND	50.56	ND	NA	NA	NA	3312.48	
MW-1	08/26/10	3363.04	64.14	ND	50.55	ND	NA	NA	NA	3312.49	Sampled
MW-1	09/01/10	3363.04	64.14	ND	50.51	ND	NA	NA	NA	3312.53	
MW-1	10/13/10	3363.04	64.14	ND	50.64	ND	NA	NA	NA	3312.40	
MW-1	11/18/10	3363.04	64.14	ND	50.55	ND	NA	NA	NA	3312.49	Sampled
MW-1	11/23/10	3363.04	64.14	ND	50.57	ND	NA	NA	NA	3312.47	
MW-1	12/08/10	3363.04	64.14	ND	50.58	ND	NA	NA	NA	3312.46	
MW-1	01/12/11	3363.04	64.14	ND	50.59	ND	NA	NA	NA	3312.45	
MW-1	02/08/11	3363.04	64.14	ND	50.42	ND	NA	NA	NA	3312.62	
MW-1	02/23/11	3363.04	64.14	ND	50.50	ND	NA	NA	NA	3312.54	Sampled
MW-1	03/08/11	3363.04	64.14	ND	50.48	ND	NA	NA	NA	3312.56	
MW-1	04/13/11	3363.04	64.14	ND	50.45	ND	NA	NA	NA	3312.59	
MW-1	06/01/11	3363.04	64.14	ND	50.52	ND	NA	NA	NA	3312.52	Sampled
MW-1	07/27/11	3363.04	64.14	ND	50.52	ND	NA	NA	NA	3312.52	
MW-1	08/30/11	3363.04	64.14	ND	50.58	ND	NA	NA	NA	3312.46	Sampled
MW-1	09/14/11	3363.04	64.14	ND	50.65	ND	NA	NA	NA	3312.39	
MW-1	10/12/11	3363.04	64.14	ND	50.65	ND	NA	NA	NA	3312.39	
MW-1	11/28/11	3363.04	64.14	ND	50.64	ND	NA	NA	NA	3312.40	Sampled
MW-1	12/27/11	3363.04	64.14	ND	50.55	ND	NA	NA	NA	3312.49	
MW-1	01/18/12	3363.04	64.14	ND	50.66	ND	NA	NA	NA	3312.38	
MW-1	02/02/12	3363.04	64.14	ND	50.58	ND	NA	NA	NA	3312.46	
MW-1	02/15/12	3363.04	64.14	ND	50.66	ND	NA	NA	NA	3312.38	
MW-1	02/22/12	3363.04	64.14	ND	50.60	ND	NA	NA	NA	3312.44	Sampled
MW-1	04/26/12	3363.04	64.14	ND	50.60	ND	NA	NA	NA	3312.44	
MW-1	05/22/12	3363.04	64.14	ND	50.52	ND	NA	NA	NA	3312.52	Sampled
MW-1	07/18/12	3363.04	64.14	ND	50.72	ND	NA	NA	NA	3312.32	
MW-1	09/11/12	3363.04	64.14	ND	50.75	ND	NA	NA	NA	3312.29	
MW-1	11/26/12	3363.04	64.14	ND	50.83	ND	NA	NA	NA	3312.21	
MW-1	02/27/13	3363.04	64.14	ND	50.92	ND	NA	NA	NA	3312.12	
MW-1	06/11/13	3363.04	64.14	ND	50.92	ND	NA	NA	NA	3312.12	
MW-1	08/14/13	3363.04	64.14	ND	51.02	ND	NA	NA	NA	3312.02	
MW-1	09/10/13	3363.04	64.14	ND	51.08	ND	NA	NA	NA	3311.96	
MW-1	11/06/13	3363.04	63.78	ND	51.09	ND	NA	NA	NA	3311.95	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery	Recovery	Corrected Groundwater Elevation (ft)	Comments
MW-2	03/28/06	3362.05	64.09	ND	49.50	ND	NA	NA	NA	3312.55	
MW-2	03/29/06	3362.05	NG	ND	49.46	ND	NA	NA	NA	3312.59	Sampled
MW-2	04/13/06	3362.05	NG	ND	49.47	ND	NA	NA	NA	3312.58	
MW-2	04/25/06	3362.05	NG	ND	49.45	ND	NA	NA	NA	3312.60	
MW-2	05/03/06	3362.05	NG	ND	49.37	ND	NA	NA	NA	3312.68	
MW-2	05/11/06	3362.05	NG	ND	49.50	ND	NA	NA	NA	3312.55	
MW-2	05/24/06	3362.05	NG	ND	49.43	ND	NA	NA	NA	3312.62	
MW-2	06/07/06	3362.05	NG	ND	49.44	ND	NA	NA	NA	3312.61	
MW-2	06/15/06	3362.05	NG	ND	49.44	ND	NA	NA	NA	3312.61	
MW-2	06/29/06	3362.05	NG	ND	49.43	ND	NA	NA	NA	3312.62	
MW-2	07/11/06	3362.05	NG	ND	49.38	ND	NA	NA	NA	3312.67	
MW-2	07/25/06	3362.05	NG	ND	49.42	ND	NA	NA	NA	3312.63	
MW-2	08/09/06	3362.05	64.19	ND	49.35	ND	NA	NA	NA	3312.70	
MW-2	08/22/06	3362.05	NG	ND	49.46	ND	NA	NA	NA	3312.59	
MW-2	09/12/06	3362.05	64.06	ND	49.43	ND	NA	NA	NA	3312.62	Sampled
MW-2	09/19/06	3362.05	NG	ND	49.38	ND	NA	NA	NA	3312.67	
MW-2	10/03/06	3362.05	NG	ND	49.35	ND	NA	NA	NA	3312.70	
MW-2	10/17/06	3362.05	NG	ND	49.38	ND	NA	NA	NA	3312.67	
MW-2	10/31/06	3362.05	NG	ND	49.43	ND	NA	NA	NA	3312.62	
MW-2	11/15/06	3362.05	NG	ND	49.37	ND	NA	NA	NA	3312.68	
MW-2	12/06/06	3362.11	64.05	ND	49.35	ND	NA	NA	NA	3312.76	Sampled
MW-2	12/13/06	3362.11	NG	ND	49.38	ND	NA	NA	NA	3312.73	
MW-2	12/27/06	3362.11	NG	ND	49.20	ND	NA	NA	NA	3312.91	
MW-2	01/03/07	3362.11	NG	ND	49.33	ND	NA	NA	NA	3312.78	
MW-2	01/09/07	3362.11	NG	ND	49.35	ND	NA	NA	NA	3312.76	
MW-2	01/18/07	3362.11	NG	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	01/22/07	3362.11	NG	ND	49.16	ND	NA	NA	NA	3312.95	
MW-2	02/01/07	3362.11	NG	ND	49.10	ND	NA	NA	NA	3313.01	
MW-2	02/07/07	3362.11	NG	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	02/14/07	3362.11	NG	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	02/21/07	3362.11	NG	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	02/28/07	3362.11	64.06	ND	49.10	ND	NA	NA	NA	3313.01	Sampled
MW-2	03/07/07	3362.11	NG	ND	49.18	ND	NA	NA	NA	3312.93	
MW-2	04/03/07	3362.11	NG	ND	49.13	ND	NA	NA	NA	3312.98	
MW-2	05/03/07	3362.11	NG	ND	49.03	ND	NA	NA	NA	3313.08	
MW-2	05/30/07	3362.11	64.07	ND	49.10	ND	NA	NA	NA	3313.01	Sampled

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-2	06/06/07	3362.11	64.06	ND	49.03	ND	NA	NA	NA	3313.08	
MW-2	07/05/07	3362.11	64.03	ND	49.00	ND	NA	NA	NA	3313.11	
MW-2	07/31/07	3362.11	64.03	ND	49.03	ND	NA	NA	NA	3313.08	
MW-2	09/06/07	3362.11	64.04	ND	48.98	ND	NA	NA	NA	3313.13	Sampled
MW-2	09/10/07	3362.11	64.05	ND	49.01	ND	NA	NA	NA	3313.10	
MW-2	11/13/07	3362.11	64.05	ND	49.12	ND	NA	NA	NA	3312.99	Sampled
MW-2	12/27/07	3362.11	64.05	ND	49.07	ND	NA	NA	NA	3313.04	
MW-2	01/09/08	3362.11	64.07	ND	49.00	ND	NA	NA	NA	3313.11	
MW-2	02/06/08	3362.11	64.07	ND	49.01	ND	NA	NA	NA	3313.10	
MW-2	02/27/08	3362.11	64.03	ND	49.15	ND	NA	NA	NA	3312.96	Sampled
MW-2	04/02/08	3362.11	64.03	ND	49.00	ND	NA	NA	NA	3313.11	
MW-2	05/28/08	3362.11	64.02	ND	49.13	ND	NA	NA	NA	3312.98	Sampled
MW-2	06/18/08	3362.11	64.02	ND	49.18	ND	NA	NA	NA	3312.93	
MW-2	07/07/08	3362.11	64.02	ND	49.16	ND	NA	NA	NA	3312.95	
MW-2	08/18/08	3362.11	64.05	ND	49.18	ND	NA	NA	NA	3312.93	Sampled
MW-2	10/29/08	3362.11	64.01	ND	49.26	ND	NA	NA	NA	3312.85	
MW-2	11/19/08	3362.11	64.01	ND	49.26	ND	NA	NA	NA	3312.85	Sampled
MW-2	12/21/08	3362.11	64.01	ND	49.29	ND	NA	NA	NA	3312.82	
MW-2	01/07/09	3362.11	64.08	ND	49.17	ND	NA	NA	NA	3312.94	
MW-2	02/04/09	3362.11	64.10	ND	49.96	ND	NA	NA	NA	3312.15	
MW-2	02/17/09	3362.11	64.08	ND	49.22	ND	NA	NA	NA	3312.89	Sampled
MW-2	03/04/09	3362.11	64.07	ND	49.20	ND	NA	NA	NA	3312.91	
MW-2	04/08/09	3362.11	64.07	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	05/06/09	3362.11	64.07	ND	49.27*	ND	NA	NA	NA	3312.84	
MW-2	05/19/09	3362.11	64.07	ND	49.31	ND	NA	NA	NA	3312.80	Sampled
MW-2	06/03/09	3362.11	64.07	ND	49.35	ND	NA	NA	NA	3312.76	
MW-2	07/15/09	3362.11	64.07	ND	49.37	ND	NA	NA	NA	3312.74	
MW-2	08/05/09	3362.11	64.07	ND	49.39	ND	NA	NA	NA	3312.72	
MW-2	08/26/09	3362.11	64.05	ND	49.42	ND	NA	NA	NA	3312.69	Sampled
MW-2	09/02/09	3362.11	64.05	ND	49.40	ND	NA	NA	NA	3312.71	
MW-2	10/07/09	3362.11	64.05	ND	49.41	ND	NA	NA	NA	3312.70	
MW-2	11/04/09	3362.11	64.05	ND	49.47	ND	NA	NA	NA	3312.64	
MW-2	11/18/09	3362.11	64.05	ND	49.42	ND	NA	NA	NA	3312.69	Sampled
MW-2	12/02/09	3362.11	64.05	ND	49.49	ND	NA	NA	NA	3312.62	
MW-2	01/06/10	3362.11	64.05	ND	49.41	ND	NA	NA	NA	3312.70	
MW-2	02/11/10	3362.11	64.05	ND	49.43	ND	NA	NA	NA	3312.68	Sampled
MW-2	03/10/10	3362.11	64.05	ND	49.31	ND	NA	NA	NA	3312.80	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-2	04/07/10	3362.11	64.05	ND	49.37	ND	NA	NA	NA	3312.74	
MW-2	05/05/10	3362.11	64.05	ND	49.43	ND	NA	NA	NA	3312.68	
MW-2	05/11/10	3362.11	64.05	ND	49.27	ND	NA	NA	NA	3312.84	Sampled
MW-2	06/02/10	3362.11	64.05	ND	49.27	ND	NA	NA	NA	3312.84	
MW-2	07/07/10	3362.11	64.05	ND	49.30	ND	NA	NA	NA	3312.81	
MW-2	08/03/10	3362.11	64.05	ND	49.26	ND	NA	NA	NA	3312.85	
MW-2	08/26/10	3362.11	64.05	ND	49.25	ND	NA	NA	NA	3312.86	Sampled
MW-2	09/01/10	3362.11	64.05	ND	49.22	ND	NA	NA	NA	3312.89	
MW-2	10/13/10	3362.11	64.05	ND	49.37	ND	NA	NA	NA	3312.74	
MW-2	11/18/10	3362.11	64.05	ND	49.28	ND	NA	NA	NA	3312.83	Sampled
MW-2	11/23/10	3362.11	64.05	ND	49.30	ND	NA	NA	NA	3312.81	
MW-2	12/08/10	3362.11	64.05	ND	49.34	ND	NA	NA	NA	3312.77	
MW-2	01/12/11	3362.11	64.05	ND	49.31	ND	NA	NA	NA	3312.80	
MW-2	02/08/11	3362.11	64.05	ND	49.16	ND	NA	NA	NA	3312.95	
MW-2	02/23/11	3362.11	64.05	ND	49.19	ND	NA	NA	NA	3312.92	Sampled
MW-2	03/08/11	3362.11	64.05	ND	49.20	ND	NA	NA	NA	3312.91	
MW-2	04/13/11	3362.11	64.05	ND	49.18	ND	NA	NA	NA	3312.93	
MW-2	06/01/11	3362.11	64.05	ND	49.23	ND	NA	NA	NA	3312.88	Sampled
MW-2	07/27/11	3362.11	64.05	ND	49.23	ND	NA	NA	NA	3312.88	
MW-2	08/30/11	3362.11	64.05	ND	49.29	ND	NA	NA	NA	3312.82	Sampled
MW-2	09/14/11	3362.11	64.05	ND	49.38	ND	NA	NA	NA	3312.73	
MW-2	10/12/11	3362.11	64.05	ND	49.39	ND	NA	NA	NA	3312.72	
MW-2	11/28/11	3362.11	64.05	ND	49.37	ND	NA	NA	NA	3312.74	Sampled
MW-2	12/27/11	3362.11	64.05	ND	49.41	ND	NA	NA	NA	3312.70	
MW-2	01/18/12	3362.11	64.05	ND	49.39	ND	NA	NA	NA	3312.72	
MW-2	02/02/12	3362.11	64.05	ND	49.32	ND	NA	NA	NA	3312.79	
MW-2	02/15/12	3362.11	64.05	ND	49.37	ND	NA	NA	NA	3312.74	
MW-2	02/22/12	3362.11	64.05	ND	49.29	ND	NA	NA	NA	3312.82	Sampled
MW-2	04/26/12	3362.11	64.05	ND	49.31	ND	NA	NA	NA	3312.80	
MW-2	05/22/12	3362.11	64.05	ND	49.28	ND	NA	NA	NA	3312.83	Sampled
MW-2	07/18/12	3362.11	64.05	ND	49.43	ND	NA	NA	NA	3312.68	
MW-2	09/11/12	3362.11	64.05	ND	49.46	ND	NA	NA	NA	3312.65	
MW-2	11/26/12	3362.11	64.05	ND	49.56	ND	NA	NA	NA	3312.55	
MW-2	02/27/13	3362.11	64.05	ND	49.64	ND	NA	NA	NA	3312.47	
MW-2	06/11/13	3362.11	64.05	ND	49.65	ND	NA	NA	NA	3312.46	
MW-2	08/14/13	3362.11	64.05	ND	49.74	ND	NA	NA	NA	3312.37	
MW-2	09/10/13	3362.11	64.05	ND	49.84	ND	NA	NA	NA	3312.27	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-2	11/06/13	3362.11	64.10	ND	49.82	ND	NA	NA	NA	3312.29	
MW-3	03/28/06	3362.02	64.76	ND	49.05	ND	NA	NA	NA	3312.97	
MW-3	03/29/06	3362.02	NG	ND	49.00	ND	NA	NA	NA	3313.02	Sampled
MW-3	04/13/06	3362.02	NG	ND	49.03	ND	NA	NA	NA	3312.99	
MW-3	04/25/06	3362.02	NG	ND	49.10	ND	NA	NA	NA	3312.92	
MW-3	05/03/06	3362.02	NG	ND	48.92	ND	NA	NA	NA	3313.10	
MW-3	05/11/06	3362.02	NG	ND	49.07	ND	NA	NA	NA	3312.95	
MW-3	05/23/06	3362.02	NG	ND	48.90	ND	NA	NA	NA	3313.12	
MW-3	06/07/06	3362.02	NG	ND	48.95	ND	NA	NA	NA	3313.07	
MW-3	06/15/06	3362.02	NG	ND	48.95	ND	NA	NA	NA	3313.07	
MW-3	06/29/06	3362.02	NG	ND	48.98	ND	NA	NA	NA	3313.04	
MW-3	07/11/06	3362.02	NG	ND	48.92	ND	NA	NA	NA	3313.10	
MW-3	07/25/06	3362.02	NG	ND	48.97	ND	NA	NA	NA	3313.05	
MW-3	08/09/06	3362.02	64.83	ND	48.90	ND	NA	NA	NA	3313.12	
MW-3	08/22/06	3362.02	NG	ND	49.02	ND	NA	NA	NA	3313.00	
MW-3	09/12/06	3362.02	64.67	ND	48.93	ND	NA	NA	NA	3313.09	Sampled
MW-3	09/19/06	3362.02	NG	ND	48.93	ND	NA	NA	NA	3313.09	
MW-3	10/03/06	3362.02	NG	ND	48.91	ND	NA	NA	NA	3313.11	
MW-3	10/17/06	3362.02	NG	ND	48.92	ND	NA	NA	NA	3313.10	
MW-3	10/31/06	3362.02	NG	ND	48.96	ND	NA	NA	NA	3313.06	
MW-3	11/15/06	3362.02	NG	ND	48.88	ND	NA	NA	NA	3313.14	
MW-3	12/06/06	3362.13	64.05	ND	48.89	ND	NA	NA	NA	3313.24	Sampled
MW-3	12/13/06	3362.13	NG	ND	49.40	ND	NA	NA	NA	3312.73	
MW-3	12/27/06	3362.13	NG	ND	48.73	ND	NA	NA	NA	3313.40	
MW-3	01/03/07	3362.13	NG	ND	48.86	ND	NA	NA	NA	3313.27	
MW-3	01/09/07	3362.13	NG	ND	48.88	ND	NA	NA	NA	3313.25	
MW-3	01/18/07	3362.13	NG	ND	48.77	ND	NA	NA	NA	3313.36	
MW-3	01/22/07	3362.13	NG	ND	48.20	ND	NA	NA	NA	3313.93	
MW-3	02/01/07	3362.13	NG	ND	48.64	ND	NA	NA	NA	3313.49	
MW-3	02/07/07	3362.13	NG	ND	48.78	ND	NA	NA	NA	3313.35	
MW-3	02/14/07	3362.13	NG	ND	48.77	ND	NA	NA	NA	3313.36	
MW-3	02/21/07	3362.13	NG	ND	48.46	ND	NA	NA	NA	3313.67	
MW-3	02/28/07	3362.13	64.79	ND	48.64	ND	NA	NA	NA	3313.49	Sampled
MW-3	03/07/07	3362.13	NG	ND	48.70	ND	NA	NA	NA	3313.43	
MW-3	04/03/07	3362.13	NG	ND	48.68	ND	NA	NA	NA	3313.45	
MW-3	05/03/07	3362.13	NG	ND	48.56	ND	NA	NA	NA	3313.57	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-3	05/30/07	3362.13	64.78	ND	48.62	ND	NA	NA	NA	3313.51	Sampled
MW-3	06/06/07	3362.13	64.78	ND	48.53	ND	NA	NA	NA	3313.60	
MW-3	07/05/07	3362.13	64.70	ND	48.50	ND	NA	NA	NA	3313.63	
MW-3	07/31/07	3362.13	64.70	ND	48.53	ND	NA	NA	NA	3313.60	
MW-3	09/06/07	3362.13	64.70	ND	48.52	ND	NA	NA	NA	3313.61	Sampled
MW-3	09/10/07	3362.13	64.70	ND	48.58	ND	NA	NA	NA	3313.55	
MW-3	11/13/07	3362.13	64.82	ND	48.58	ND	NA	NA	NA	3313.55	Sampled
MW-3	12/27/07	3362.13	64.82	ND	48.52	ND	NA	NA	NA	3313.61	
MW-3	01/09/08	3362.13	64.67	ND	48.51	ND	NA	NA	NA	3313.62	
MW-3	02/06/08	3362.13	64.67	ND	48.58	ND	NA	NA	NA	3313.55	
MW-3	02/27/08	3362.13	64.65	ND	48.68	ND	NA	NA	NA	3313.45	Sampled
MW-3	04/02/08	3362.13	64.65	ND	48.50	ND	NA	NA	NA	3313.63	
MW-3	05/28/08	3362.13	64.77	ND	48.67	ND	NA	NA	NA	3313.46	Sampled
MW-3	06/18/08	3362.13	64.77	ND	48.71	ND	NA	NA	NA	3313.42	
MW-3	07/07/08	3362.13	64.77	ND	48.70	ND	NA	NA	NA	3313.43	
MW-3	08/18/08	3362.13	64.68	ND	48.74	ND	NA	NA	NA	3313.39	Sampled
MW-3	10/29/08	3362.13	64.68	ND	48.75	ND	NA	NA	NA	3313.38	
MW-3	11/19/08	3362.13	64.68	ND	48.83	ND	NA	NA	NA	3313.30	Sampled
MW-3	12/21/08	3362.13	64.68	ND	48.85	ND	NA	NA	NA	3313.28	
MW-3	01/07/09	3362.13	64.69	ND	48.75	ND	NA	NA	NA	3313.38	
MW-3	02/04/09	3362.13	64.69	ND	48.81	ND	NA	NA	NA	3313.32	
MW-3	02/17/09	3362.13	64.69	ND	48.78	ND	NA	NA	NA	3313.35	Sampled
MW-3	03/04/09	3362.13	64.70	ND	48.76	ND	NA	NA	NA	3313.37	
MW-3	04/08/09	3362.13	64.70	ND	48.81	ND	NA	NA	NA	3313.32	
MW-3	05/06/09	3362.13	64.70	ND	48.82	ND	NA	NA	NA	3313.31	
MW-3	05/19/09	3362.13	64.70	ND	48.88	ND	NA	NA	NA	3313.25	Sampled
MW-3	06/03/09	3362.13	64.70	ND	48.91	ND	NA	NA	NA	3313.22	
MW-3	07/15/09	3362.13	64.70	ND	48.94	ND	NA	NA	NA	3313.19	
MW-3	08/05/09	3362.13	64.70	ND	48.95	ND	NA	NA	NA	3313.18	
MW-3	08/26/09	3362.13	64.68	ND	48.97	ND	NA	NA	NA	3313.16	Sampled
MW-3	09/02/09	3362.13	64.68	ND	48.94	ND	NA	NA	NA	3313.19	
MW-3	10/07/09	3362.13	64.68	ND	48.97	ND	NA	NA	NA	3313.16	
MW-3	11/04/09	3362.13	64.68	ND	49.02	ND	NA	NA	NA	3313.11	
MW-3	11/18/09	3362.13	64.68	ND	48.98	ND	NA	NA	NA	3313.15	Sampled
MW-3	12/02/09	3362.13	64.68	ND	49.03	ND	NA	NA	NA	3313.10	
MW-3	01/06/10	3362.13	64.68	ND	48.96	ND	NA	NA	NA	3313.17	
MW-3	02/11/10	3362.13	64.68	ND	49.00	ND	NA	NA	NA	3313.13	Sampled

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-3	03/10/10	3362.13	64.68	ND	48.86	ND	NA	NA	NA	3313.27	
MW-3	04/07/10	3362.13	64.68	ND	48.90	ND	NA	NA	NA	3313.23	
MW-3	05/05/10	3362.13	64.68	ND	48.91	ND	NA	NA	NA	3313.22	
MW-3	05/11/10	3362.13	64.68	ND	48.81	ND	NA	NA	NA	3313.32	
MW-3	06/02/10	3362.13	64.68	ND	48.80	ND	NA	NA	NA	3313.33	
MW-3	07/07/10	3362.13	64.68	ND	48.81	ND	NA	NA	NA	3313.32	
MW-3	08/03/10	3362.13	64.68	ND	48.82	ND	NA	NA	NA	3313.31	
MW-3	08/26/10	3362.13	64.68	ND	48.82	ND	NA	NA	NA	3313.31	Sampled
MW-3	09/01/10	3362.13	64.68	ND	48.79	ND	NA	NA	NA	3313.34	
MW-3	10/13/10	3362.13	64.68	ND	48.91	ND	NA	NA	NA	3313.22	
MW-3	11/18/10	3362.13	64.68	ND	48.85	ND	NA	NA	NA	3313.28	Sampled
MW-3	11/23/10	3362.13	64.68	ND	48.85	ND	NA	NA	NA	3313.28	
MW-3	12/08/10	3362.13	64.68	ND	48.88	ND	NA	NA	NA	3313.25	
MW-3	01/12/11	3362.13	64.68	ND	48.86	ND	NA	NA	NA	3313.27	
MW-3	02/08/11	3362.13	64.68	ND	48.72	ND	NA	NA	NA	3313.41	
MW-3	02/23/11	3362.13	64.68	ND	48.74	ND	NA	NA	NA	3313.39	Sampled
MW-3	03/08/11	3362.13	64.68	ND	48.73	ND	NA	NA	NA	3313.40	
MW-3	04/13/11	3362.13	64.68	ND	48.68	ND	NA	NA	NA	3313.45	
MW-3	06/01/11	3362.13	64.68	ND	48.79	ND	NA	NA	NA	3313.34	Sampled
MW-3	07/27/11	3362.13	64.68	ND	48.80	ND	NA	NA	NA	3313.33	
MW-3	08/30/11	3362.13	64.68	ND	48.83	ND	NA	NA	NA	3313.30	Sampled
MW-3	09/14/11	3362.13	64.68	ND	48.92	ND	NA	NA	NA	3313.21	
MW-3	10/12/11	3362.13	64.68	ND	48.98	ND	NA	NA	NA	3313.15	
MW-3	11/28/11	3362.13	64.68	ND	48.93	ND	NA	NA	NA	3313.20	Sampled
MW-3	12/27/11	3362.13	64.68	ND	48.95	ND	NA	NA	NA	3313.18	
MW-3	01/18/12	3362.13	64.68	ND	48.93	ND	NA	NA	NA	3313.20	
MW-3	02/02/12	3362.13	64.68	ND	48.87	ND	NA	NA	NA	3313.26	
MW-3	02/15/12	3362.13	64.68	ND	48.91	ND	NA	NA	NA	3313.22	
MW-3	02/22/12	3362.13	64.68	ND	48.82	ND	NA	NA	NA	3313.31	Sampled
MW-3	04/26/12	3362.13	64.68	ND	48.85	ND	NA	NA	NA	3313.28	
MW-3	05/22/12	3362.13	64.68	ND	48.78	ND	NA	NA	NA	3313.35	Sampled
MW-3	07/18/12	3362.13	64.68	ND	48.98	ND	NA	NA	NA	3313.15	
MW-3	09/11/12	3362.13	64.68	ND	49.02	ND	NA	NA	NA	3313.11	
MW-3	11/26/12	3362.13	64.68	ND	49.09	ND	NA	NA	NA	3313.04	
MW-3	02/27/13	3362.13	64.68	ND	49.19	ND	NA	NA	NA	3312.94	
MW-3	06/11/13	3362.13	64.68	ND	49.20	ND	NA	NA	NA	3312.93	
MW-3	08/14/13	3362.13	64.68	ND	49.28	ND	NA	NA	NA	3312.85	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-3	09/10/13	3362.13	64.68	ND	49.34	ND	NA	NA	NA	3312.79	
MW-3	11/06/13	3362.13	64.72	ND	49.38	ND	NA	NA	NA	3312.75	
MW-4	12/06/06	3362.49	63.56	ND	48.87	ND	NA	NA	NA	3313.62	Sampled
MW-4	12/13/06	3362.49	NG	ND	48.90	ND	NA	NA	NA	3313.59	
MW-4	12/27/06	3362.49	NG	ND	48.72	ND	NA	NA	NA	3313.77	
MW-4	01/03/07	3362.49	NG	ND	48.82	ND	NA	NA	NA	3313.67	
MW-4	01/09/07	3362.49	NG	ND	48.86	ND	NA	NA	NA	3313.63	
MW-4	01/18/07	3362.49	NG	ND	48.76	ND	NA	NA	NA	3313.73	
MW-4	01/22/07	3362.49	NG	ND	48.68	ND	NA	NA	NA	3313.81	
MW-4	02/01/07	3362.49	NG	ND	48.63	ND	NA	NA	NA	3313.86	
MW-4	02/07/07	3362.49	NG	ND	48.75	ND	NA	NA	NA	3313.74	
MW-4	02/14/07	3362.49	NG	ND	48.74	ND	NA	NA	NA	3313.75	
MW-4	02/21/07	3362.49	NG	ND	48.46	ND	NA	NA	NA	3314.03	
MW-4	02/28/07	3362.49	63.55	ND	48.61	ND	NA	NA	NA	3313.88	Sampled
MW-4	03/07/07	3362.49	NG	ND	48.70	ND	NA	NA	NA	3313.79	
MW-4	04/03/07	3362.49	NG	ND	48.66	ND	NA	NA	NA	3313.83	
MW-4	05/03/07	3362.49	NG	ND	48.53	ND	NA	NA	NA	3313.96	
MW-4	05/30/07	3362.49	63.56	ND	48.60	ND	NA	NA	NA	3313.89	Sampled
MW-4	06/06/07	3362.49	63.56	ND	48.52	ND	NA	NA	NA	3313.97	
MW-4	07/05/07	3362.49	63.40	ND	48.48	ND	NA	NA	NA	3314.01	
MW-4	07/31/07	3362.49	63.42	ND	48.51	ND	NA	NA	NA	3313.98	
MW-4	09/06/07	3362.49	63.40	ND	48.50	ND	NA	NA	NA	3313.99	Sampled
MW-4	09/10/07	3362.49	63.42	ND	48.55	ND	NA	NA	NA	3313.94	
MW-4	11/13/07	3362.49	63.52	ND	48.61	ND	NA	NA	NA	3313.88	Sampled
MW-4	12/27/07	3362.49	63.52	ND	48.57	ND	NA	NA	NA	3313.92	
MW-4	01/09/08	3362.49	63.40	ND	48.51	ND	NA	NA	NA	3313.98	
MW-4	02/06/08	3362.49	63.40	ND	48.55	ND	NA	NA	NA	3313.94	
MW-4	02/27/08	3362.49	63.39	ND	48.69	ND	NA	NA	NA	3313.80	Sampled
MW-4	04/02/08	3362.49	63.39	ND	48.49	ND	NA	NA	NA	3314.00	
MW-4	05/28/08	3362.49	63.50	ND	48.66	ND	NA	NA	NA	3313.83	Sampled
MW-4	06/18/08	3362.49	63.50	ND	48.71	ND	NA	NA	NA	3313.78	
MW-4	07/07/08	3362.49	63.50	ND	48.68	ND	NA	NA	NA	3313.81	
MW-4	08/18/08	3362.49	63.40	ND	48.73	ND	NA	NA	NA	3313.76	Sampled
MW-4	10/29/08	3362.49	63.41	ND	48.80	ND	NA	NA	NA	3313.69	
MW-4	11/19/08	3362.49	63.41	ND	48.81	ND	NA	NA	NA	3313.68	Sampled
MW-4	12/21/08	3362.49	63.41	ND	48.83	ND	NA	NA	NA	3313.66	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-4	01/07/09	3362.49	63.41	ND	48.74	ND	NA	NA	NA	3313.75	
MW-4	02/04/09	3362.49	63.42	ND	48.81	ND	NA	NA	NA	3313.68	
MW-4	02/17/09	3362.49	63.40	ND	48.78	ND	NA	NA	NA	3313.71	Sampled
MW-4	03/04/09	3362.49	63.41	ND	48.74	ND	NA	NA	NA	3313.75	
MW-4	04/08/09	3362.49	63.41	ND	48.81	ND	NA	NA	NA	3313.68	
MW-4	05/06/09	3362.49	63.41	ND	48.81	ND	NA	NA	NA	3313.68	
MW-4	05/19/09	3362.49	63.41	ND	48.88	ND	NA	NA	NA	3313.61	Sampled
MW-4	06/03/09	3362.49	63.41	ND	48.90	ND	NA	NA	NA	3313.59	
MW-4	07/15/09	3362.49	63.41	ND	48.94	ND	NA	NA	NA	3313.55	
MW-4	08/05/09	3362.49	63.41	ND	48.93	ND	NA	NA	NA	3313.56	
MW-4	08/26/09	3362.49	63.40	ND	48.96	ND	NA	NA	NA	3313.53	Sampled
MW-4	09/02/09	3362.49	63.40	ND	48.97	ND	NA	NA	NA	3313.52	
MW-4	10/07/09	3362.49	63.40	ND	48.95	ND	NA	NA	NA	3313.54	
MW-4	11/04/09	3362.49	63.40	ND	48.94	ND	NA	NA	NA	3313.55	
MW-4	11/18/09	3362.49	63.40	ND	48.97	ND	NA	NA	NA	3313.52	Sampled
MW-4	12/02/09	3362.49	63.40	ND	48.93	ND	NA	NA	NA	3313.56	
MW-4	01/06/10	3362.49	63.40	ND	48.95	ND	NA	NA	NA	3313.54	
MW-4	02/11/10	3362.49	63.40	ND	48.96	ND	NA	NA	NA	3313.53	Sampled
MW-4	03/10/10	3362.49	63.40	ND	48.87	ND	NA	NA	NA	3313.62	
MW-4	04/07/10	3362.49	63.40	ND	48.88	ND	NA	NA	NA	3313.61	
MW-4	05/05/10	3362.49	63.40	ND	48.90	ND	NA	NA	NA	3313.59	
MW-4	05/11/10	3362.49	63.40	ND	48.80	ND	NA	NA	NA	3313.69	Sampled
MW-4	06/02/10	3362.49	63.40	ND	48.78	ND	NA	NA	NA	3313.71	
MW-4	07/07/10	3362.49	63.40	ND	48.80	ND	NA	NA	NA	3313.69	
MW-4	08/03/10	3362.49	63.40	ND	48.78	ND	NA	NA	NA	3313.71	
MW-4	08/26/10	3362.49	63.40	ND	48.75	ND	NA	NA	NA	3313.74	Sampled
MW-4	09/01/10	3362.49	63.40	ND	48.74	ND	NA	NA	NA	3313.75	
MW-4	10/13/10	3362.49	63.40	ND	48.88	ND	NA	NA	NA	3313.61	
MW-4	11/18/10	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	Sampled
MW-4	11/23/10	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	
MW-4	12/08/10	3362.49	63.40	ND	48.86	ND	NA	NA	NA	3313.63	
MW-4	01/12/11	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	
MW-4	02/08/11	3362.49	63.40	ND	48.72	ND	NA	NA	NA	3313.77	
MW-4	02/23/11	3362.49	63.40	ND	48.71	ND	NA	NA	NA	3313.78	Sampled
MW-4	03/08/11	3362.49	63.40	ND	48.73	ND	NA	NA	NA	3313.76	
MW-4	04/13/11	3362.49	63.40	ND	48.71	ND	NA	NA	NA	3313.78	
MW-4	06/01/11	3362.49	63.40	ND	48.77	ND	NA	NA	NA	3313.72	Sampled

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-4	07/27/11	3362.49	63.40	ND	48.78	ND	NA	NA	NA	3313.71	
MW-4	08/30/11	3362.49	63.40	ND	48.82	ND	NA	NA	NA	3313.67	Sampled
MW-4	09/14/11	3362.49	63.40	ND	48.89	ND	NA	NA	NA	3313.60	
MW-4	10/12/11	3362.49	63.40	ND	48.92	ND	NA	NA	NA	3313.57	
MW-4	11/28/11	3362.49	63.40	ND	48.92	ND	NA	NA	NA	3313.57	Sampled
MW-4	12/27/11	3362.49	63.40	ND	48.93	ND	NA	NA	NA	3313.56	
MW-4	01/18/12	3362.49	63.40	ND	48.91	ND	NA	NA	NA	3313.58	
MW-4	02/02/12	3362.49	63.40	ND	48.85	ND	NA	NA	NA	3313.64	
MW-4	02/15/12	3362.49	63.40	ND	48.91	ND	NA	NA	NA	3313.58	
MW-4	02/22/12	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	Sampled
MW-4	04/26/12	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	
MW-4	05/22/12	3362.49	63.40	ND	48.80	ND	NA	NA	NA	3313.69	Sampled
MW-4	07/18/12	3362.49	63.40	ND	48.96	ND	NA	NA	NA	3313.53	
MW-4	09/11/12	3362.49	63.40	ND	49.02	ND	NA	NA	NA	3313.47	
MW-4	11/26/12	3362.49	63.40	ND	49.10	ND	NA	NA	NA	3313.39	
MW-4	02/27/13	3362.49	63.40	ND	49.19	ND	NA	NA	NA	3313.30	
MW-4	06/11/13	3362.49	63.40	ND	49.20	ND	NA	NA	NA	3313.29	
MW-4	08/14/13	3362.49	63.40	ND	49.30	ND	NA	NA	NA	3313.19	
MW-4	09/10/13	3362.49	63.40	ND	49.35	ND	NA	NA	NA	3313.14	
MW-4	11/06/13	3362.49	63.48	ND	49.38	ND	NA	NA	NA	3313.11	
MW-5	12/06/06	3363.67	63.72	ND	51.65	ND	NA	NA	NA	3312.02	Sampled
MW-5	12/13/06	3363.67	NG	ND	51.66	ND	NA	NA	NA	3312.01	
MW-5	12/27/06	3363.67	NG	ND	51.50	ND	NA	NA	NA	3312.17	
MW-5	01/03/07	3363.67	NG	ND	51.61	ND	NA	NA	NA	3312.06	
MW-5	01/09/07	3363.67	NG	ND	51.63	ND	NA	NA	NA	3312.04	
MW-5	01/18/07	3363.67	NG	ND	51.54	ND	NA	NA	NA	3312.13	
MW-5	02/01/07	3363.67	NG	ND	51.40	ND	NA	NA	NA	3312.27	
MW-5	02/07/07	3363.67	NG	ND	51.56	ND	NA	NA	NA	3312.11	
MW-5	02/14/07	3363.67	NG	ND	51.53	ND	NA	NA	NA	3312.14	
MW-5	02/21/07	3363.67	NG	ND	51.51	ND	NA	NA	NA	3312.16	
MW-5	02/28/07	3363.67	63.90	ND	51.41	ND	NA	NA	NA	3312.26	Sampled
MW-5	03/07/07	3363.67	NG	ND	51.50	ND	NA	NA	NA	3312.17	
MW-5	04/03/07	3363.67	NG	ND	51.46	ND	NA	NA	NA	3312.21	
MW-5	05/03/07	3363.67	NG	ND	51.39	ND	NA	NA	NA	3312.28	
MW-5	05/30/07	3363.67	63.93	ND	51.43	ND	NA	NA	NA	3312.24	Sampled
MW-5	06/06/07	3363.67	63.93	ND	51.30	ND	NA	NA	NA	3312.37	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-5	07/05/07	3363.67	63.90	ND	51.27	ND	NA	NA	NA	3312.40	
MW-5	07/31/07	3363.67	63.90	ND	51.31	ND	NA	NA	NA	3312.36	
MW-5	09/06/07	3363.67	63.90	ND	51.28	ND	NA	NA	NA	3312.39	Sampled
MW-5	09/10/07	3363.67	63.90	ND	51.30	ND	NA	NA	NA	3312.37	
MW-5	11/13/07	3363.67	63.93	ND	51.38	ND	NA	NA	NA	3312.29	Sampled
MW-5	12/27/07	3363.67	63.93	ND	51.33	ND	NA	NA	NA	3312.34	
MW-5	01/09/08	3363.67	64.20	ND	51.21	ND	NA	NA	NA	3312.46	
MW-5	02/06/08	3363.67	64.20	ND	51.28	ND	NA	NA	NA	3312.39	
MW-5	02/27/08	3363.67	63.88	ND	51.42	ND	NA	NA	NA	3312.25	Sampled
MW-5	04/02/08	3363.67	63.88	ND	51.20	ND	NA	NA	NA	3312.47	
MW-5	05/28/08	3363.67	63.75	ND	51.38	ND	NA	NA	NA	3312.29	Sampled
MW-5	06/18/08	3363.67	63.75	ND	51.44	ND	NA	NA	NA	3312.23	
MW-5	07/07/08	3363.67	63.75	ND	51.38	ND	NA	NA	NA	3312.29	
MW-5	08/18/08	3363.67	63.73	ND	51.42	ND	NA	NA	NA	3312.25	Sampled
MW-5	10/29/08	3363.67	63.89	ND	51.48	ND	NA	NA	NA	3312.19	
MW-5	11/19/08	3363.67	63.89	ND	51.49	ND	NA	NA	NA	3312.18	Sampled
MW-5	12/21/08	3363.67	63.89	ND	51.49	ND	NA	NA	NA	3312.18	
MW-5	01/07/09	3363.67	63.74	ND	51.41	ND	NA	NA	NA	3312.26	
MW-5	02/04/09	3363.67	63.90	ND	51.49	ND	NA	NA	NA	3312.18	
MW-5	02/17/09	3363.67	63.78	ND	51.44	ND	NA	NA	NA	3312.23	Sampled
MW-5	03/04/09	3363.67	63.78	ND	51.42	ND	NA	NA	NA	3312.25	
MW-5	04/08/09	3363.67	63.78	ND	51.46	ND	NA	NA	NA	3312.21	
MW-5	05/06/09	3363.67	63.78	ND	51.53	ND	NA	NA	NA	3312.14	
MW-5	05/19/09	3363.67	63.78	ND	51.57	ND	NA	NA	NA	3312.10	Sampled
MW-5	06/03/09	3363.67	63.78	ND	51.59	ND	NA	NA	NA	3312.08	
MW-5	07/15/09	3363.67	63.78	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	08/05/09	3363.67	63.78	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	08/26/09	3363.67	63.71	ND	51.66	ND	NA	NA	NA	3312.01	Sampled
MW-5	09/02/09	3363.67	63.71	ND	51.68	ND	NA	NA	NA	3311.99	
MW-5	10/07/09	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	
MW-5	11/04/09	3363.67	63.71	ND	51.73	ND	NA	NA	NA	3311.94	
MW-5	11/18/09	3363.67	63.71	ND	51.67	ND	NA	NA	NA	3312.00	Sampled
MW-5	12/02/09	3363.67	63.71	ND	51.74	ND	NA	NA	NA	3311.93	
MW-5	01/06/10	3363.67	63.71	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	02/11/10	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	Sampled
MW-5	03/10/10	3363.67	63.71	ND	51.55	ND	NA	NA	NA	3312.12	
MW-5	04/07/10	3363.67	63.71	ND	51.63	ND	NA	NA	NA	3312.04	

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MW-5	05/05/10	3363.67	63.71	ND	51.60	ND	NA	NA	NA	3312.07	
MW-5	05/11/10	3363.67	63.71	ND	51.49	ND	NA	NA	NA	3312.18	Sampled
MW-5	06/02/10	3363.67	63.71	ND	51.51	ND	NA	NA	NA	3312.16	
MW-5	07/07/10	3363.67	63.71	ND	51.58	ND	NA	NA	NA	3312.09	
MW-5	08/03/10	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	
MW-5	08/26/10	3363.67	63.71	ND	51.53	ND	NA	NA	NA	3312.14	Sampled
MW-5	09/01/10	3363.67	63.71	ND	51.50	ND	NA	NA	NA	3312.17	
MW-5	10/13/10	3363.67	63.71	ND	51.66	ND	NA	NA	NA	3312.01	
MW-5	11/18/10	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	Sampled
MW-5	11/23/10	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	
MW-5	12/08/10	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	
MW-5	01/12/11	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	
MW-5	02/08/11	3363.67	63.71	ND	51.40	ND	NA	NA	NA	3312.27	
MW-5	02/23/11	3363.67	63.71	ND	51.43	ND	NA	NA	NA	3312.24	Sampled
MW-5	03/08/11	3363.67	63.71	ND	51.45	ND	NA	NA	NA	3312.22	
MW-5	04/13/11	3363.67	63.71	ND	51.44	ND	NA	NA	NA	3312.23	
MW-5	06/01/11	3363.67	63.71	ND	51.50	ND	NA	NA	NA	3312.17	Sampled
MW-5	07/27/11	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	
MW-5	08/30/11	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	Sampled
MW-5	09/14/11	3363.67	63.71	ND	51.66	ND	NA	NA	NA	3312.01	
MW-5	10/12/11	3363.67	63.71	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	11/28/11	3363.67	63.71	ND	51.63	ND	NA	NA	NA	3312.04	Sampled
MW-5	12/27/11	3363.67	63.71	ND	51.64	ND	NA	NA	NA	3312.03	
MW-5	01/18/12	3363.67	63.71	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	02/02/12	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	
MW-5	02/15/12	3363.67	63.71	ND	51.63	ND	NA	NA	NA	3312.04	
MW-5	02/22/12	3363.67	63.71	ND	51.55	ND	NA	NA	NA	3312.12	Sampled
MW-5	04/26/12	3363.67	63.71	ND	51.58	ND	NA	NA	NA	3312.09	
MW-5	05/22/12	3363.67	63.71	ND	48.78	ND	NA	NA	NA	3314.89	Sampled
MW-5	07/18/12	3363.67	63.71	ND	51.73	ND	NA	NA	NA	3311.94	
MW-5	09/11/12	3363.67	63.71	ND	51.75	ND	NA	NA	NA	3311.92	
MW-5	11/26/12	3363.67	63.71	ND	51.82	ND	NA	NA	NA	3311.85	
MW-5	02/27/13	3363.67	63.71	ND	51.92	ND	NA	NA	NA	3311.75	
MW-5	06/11/13	3363.67	63.71	ND	51.90	ND	NA	NA	NA	3311.77	
MW-5	08/14/13	3363.67	63.71	ND	52.01	ND	NA	NA	NA	3311.66	
MW-5	09/10/13	3363.67	63.71	ND	52.05	ND	NA	NA	NA	3311.62	
MW-5	11/06/13	3363.67	63.81	ND	52.06	ND	NA	NA	NA	3311.61	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery	Recovery	Corrected Groundwater Elevation (ft)	Comments
MW-6	12/06/06	3362.6	63.44	ND	50.48	ND	NA	NA	NA	3312.12	Sampled
MW-6	12/13/06	3362.6	NG	ND	50.50	ND	NA	NA	NA	3312.10	
MW-6	12/27/06	3362.6	NG	ND	50.33	ND	NA	NA	NA	3312.27	
MW-6	01/03/07	3362.6	NG	ND	50.46	ND	NA	NA	NA	3312.14	
MW-6	01/09/07	3362.6	NG	ND	50.48	ND	NA	NA	NA	3312.12	
MW-6	01/18/07	3362.6	NG	ND	50.38	ND	NA	NA	NA	3312.22	
MW-6	01/22/07	3362.6	NG	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	02/01/07	3362.6	NG	ND	50.23	ND	NA	NA	NA	3312.37	
MW-6	02/07/07	3362.6	NG	ND	50.36	ND	NA	NA	NA	3312.24	
MW-6	02/14/07	3362.6	NG	ND	50.36	ND	NA	NA	NA	3312.24	
MW-6	02/21/07	3362.6	NG	ND	50.37	ND	NA	NA	NA	3312.23	
MW-6	02/28/07	3362.6	63.56	ND	50.21	ND	NA	NA	NA	3312.39	Sampled
MW-6	03/07/07	3362.6	NG	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	04/03/07	3362.6	NG	ND	50.28	ND	NA	NA	NA	3312.32	
MW-6	05/03/07	3362.6	NG	ND	50.15	ND	NA	NA	NA	3312.45	
MW-6	05/30/07	3362.6	63.59	ND	50.22	ND	NA	NA	NA	3312.38	Sampled
MW-6	06/06/07	3362.6	63.59	ND	50.13	ND	NA	NA	NA	3312.47	
MW-6	07/05/07	3362.6	63.60	ND	50.15	ND	NA	NA	NA	3312.45	
MW-6	07/31/07	3362.6	63.60	ND	50.20	ND	NA	NA	NA	3312.40	
MW-6	09/06/07	3362.6	63.59	ND	50.10	ND	NA	NA	NA	3312.50	Sampled
MW-6	09/10/07	3362.6	63.12	ND	50.12	ND	NA	NA	NA	3312.48	
MW-6	11/13/07	3362.6	63.58	ND	50.20	ND	NA	NA	NA	3312.40	Sampled
MW-6	12/27/07	3362.6	63.58	ND	50.14	ND	NA	NA	NA	3312.46	
MW-6	01/09/08	3362.6	63.58	ND	50.11	ND	NA	NA	NA	3312.49	
MW-6	02/06/08	3362.6	63.58	ND	50.13	ND	NA	NA	NA	3312.47	
MW-6	02/27/08	3362.6	63.41	ND	50.25	ND	NA	NA	NA	3312.35	Sampled
MW-6	04/02/08	3362.6	63.41	ND	50.10	ND	NA	NA	NA	3312.50	
MW-6	05/28/08	3362.6	63.45	ND	50.25	ND	NA	NA	NA	3312.35	Sampled
MW-6	06/18/08	3362.6	63.45	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	07/07/08	3362.6	63.45	ND	50.27	ND	NA	NA	NA	3312.33	
MW-6	08/18/08	3362.6	63.60	ND	50.26	ND	NA	NA	NA	3312.34	Sampled
MW-6	10/29/08	3362.6	63.57	ND	50.31	ND	NA	NA	NA	3312.29	
MW-6	11/19/08	3362.6	63.57	ND	50.36	ND	NA	NA	NA	3312.24	Sampled
MW-6	12/21/08	3362.6	63.57	ND	50.42	ND	NA	NA	NA	3312.18	
MW-6	01/07/09	3362.6	63.43	ND	50.27	ND	NA	NA	NA	3312.33	
MW-6	02/04/09	3362.6	63.44	ND	50.36	ND	NA	NA	NA	3312.24	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-6	02/17/09	3362.6	63.44	ND	50.35	ND	NA	NA	NA	3312.25	Sampled
MW-6	03/04/09	3362.6	63.42	ND	50.29	ND	NA	NA	NA	3312.31	
MW-6	04/08/09	3362.6	63.42	ND	50.34	ND	NA	NA	NA	3312.26	
MW-6	05/06/09	3362.6	63.42	ND	50.39	ND	NA	NA	NA	3312.21	
MW-6	05/19/09	3362.6	63.42	ND	50.41	ND	NA	NA	NA	3312.19	Sampled
MW-6	06/03/09	3362.6	63.42	ND	50.45	ND	NA	NA	NA	3312.15	
MW-6	07/15/09	3362.6	63.42	ND	50.47	ND	NA	NA	NA	3312.13	
MW-6	08/05/09	3362.6	63.42	ND	50.49	ND	NA	NA	NA	3312.11	
MW-6	08/26/09	3362.6	63.41	ND	50.56	ND	NA	NA	NA	3312.04	Sampled
MW-6	09/02/09	3362.6	63.41	ND	50.45	ND	NA	NA	NA	3312.15	
MW-6	10/07/09	3362.6	63.41	ND	50.53	ND	NA	NA	NA	3312.07	
MW-6	11/04/09	3362.6	63.41	ND	50.57	ND	NA	NA	NA	3312.03	
MW-6	11/18/09	3362.6	63.41	ND	50.54	ND	NA	NA	NA	3312.06	Sampled
MW-6	12/02/09	3362.6	63.41	ND	50.58	ND	NA	NA	NA	3312.02	
MW-6	01/06/10	3362.6	63.41	ND	50.51	ND	NA	NA	NA	3312.09	
MW-6	02/11/10	3362.6	63.41	ND	50.50	ND	NA	NA	NA	3312.10	Sampled
MW-6	03/10/10	3362.6	63.41	ND	50.42	ND	NA	NA	NA	3312.18	
MW-6	04/07/10	3362.6	63.41	ND	50.50	ND	NA	NA	NA	3312.10	
MW-6	05/05/10	3362.6	63.41	ND	50.48	ND	NA	NA	NA	3312.12	
MW-6	05/11/10	3362.6	63.41	ND	50.38	ND	NA	NA	NA	3312.22	Sampled
MW-6	06/02/10	3362.6	63.41	ND	50.39	ND	NA	NA	NA	3312.21	
MW-6	07/07/10	3362.6	63.41	ND	50.46	ND	NA	NA	NA	3312.14	
MW-6	08/03/10	3362.6	63.41	ND	50.38	ND	NA	NA	NA	3312.22	
MW-6	08/26/10	3362.6	63.41	ND	50.35	ND	NA	NA	NA	3312.25	Sampled
MW-6	09/01/10	3362.6	63.41	ND	50.37	ND	NA	NA	NA	3312.23	
MW-6	10/13/10	3362.6	63.41	ND	50.46	ND	NA	NA	NA	3312.14	
MW-6	11/18/10	3362.6	63.41	ND	50.42	ND	NA	NA	NA	3312.18	Sampled
MW-6	11/23/10	3362.6	63.41	ND	50.38	ND	NA	NA	NA	3312.22	
MW-6	12/08/10	3362.6	63.41	ND	50.42	ND	NA	NA	NA	3312.18	
MW-6	01/12/11	3362.6	63.41	ND	50.42	ND	NA	NA	NA	3312.18	
MW-6	02/08/11	3362.6	63.41	ND	50.26	ND	NA	NA	NA	3312.34	
MW-6	02/23/11	3362.6	63.41	ND	50.30	ND	NA	NA	NA	3312.30	Sampled
MW-6	03/08/11	3362.6	63.41	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	04/13/11	3362.6	63.41	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	06/01/11	3362.6	63.41	ND	50.34	ND	NA	NA	NA	3312.26	Sampled
MW-6	07/27/11	3362.6	63.41	ND	50.35	ND	NA	NA	NA	3312.25	
MW-6	08/30/11	3362.6	63.41	ND	50.45	ND	NA	NA	NA	3312.15	Sampled

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-6	09/14/11	3362.6	63.41	ND	50.51	ND	NA	NA	NA	3312.09	
MW-6	10/12/11	3362.6	63.41	ND	50.49	ND	NA	NA	NA	3312.11	
MW-6	11/28/11	3362.6	63.41	ND	50.47	ND	NA	NA	NA	3312.13	Sampled
MW-6	12/27/11	3362.6	63.41	ND	50.51	ND	NA	NA	NA	3312.09	
MW-6	01/18/12	3362.6	63.41	ND	50.53	ND	NA	NA	NA	3312.07	
MW-6	02/02/12	3362.6	63.41	ND	50.43	ND	NA	NA	NA	3312.17	
MW-6	02/15/12	3362.6	63.41	ND	50.47	ND	NA	NA	NA	3312.13	
MW-6	02/22/12	3362.6	63.41	ND	50.39	ND	NA	NA	NA	3312.21	Sampled
MW-6	04/26/12	3362.6	63.41	ND	50.41	ND	NA	NA	NA	3312.19	
MW-6	05/22/12	3362.6	63.41	ND	50.38	ND	NA	NA	NA	3312.22	Sampled
MW-6	07/18/12	3362.6	63.41	ND	50.57	ND	NA	NA	NA	3312.03	
MW-6	09/11/12	3362.6	63.41	ND	50.60	ND	NA	NA	NA	3312.00	
MW-6	11/26/12	3362.6	63.41	ND	50.66	ND	NA	NA	NA	3311.94	Sampled
MW-6	02/27/13	3362.6	63.41	ND	50.67	ND	NA	NA	NA	3311.93	Sampled
MW-6	06/11/13	3362.6	63.41	ND	50.76	ND	NA	NA	NA	3311.84	Sampled
MW-6	08/14/13	3362.6	63.41	ND	50.85	ND	NA	NA	NA	3311.75	
MW-6	09/10/13	3362.6	63.41	ND	50.91	ND	NA	NA	NA	3311.69	
MW-6	11/06/13	3362.6	63.50	ND	50.94	ND	NA	NA	NA	3311.66	
MW-7	12/06/06	3362.75	63.88	ND	50.62	ND	NA	NA	NA	3312.13	Sampled
MW-7	12/13/06	3362.75	NG	ND	50.64	ND	NA	NA	NA	3312.11	
MW-7	12/27/06	3362.75	NG	ND	50.54	ND	NA	NA	NA	3312.21	
MW-7	01/03/07	3362.75	NG	ND	50.63	ND	NA	NA	NA	3312.12	
MW-7	01/09/07	3362.75	NG	ND	50.66	ND	NA	NA	NA	3312.09	
MW-7	01/18/07	3362.75	NG	ND	50.57	ND	NA	NA	NA	3312.18	
MW-7	01/22/07	3362.75	NG	ND	50.46	ND	NA	NA	NA	3312.29	
MW-7	02/01/07	3362.75	NG	ND	50.41	ND	NA	NA	NA	3312.34	
MW-7	02/07/07	3362.75	NG	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	02/14/07	3362.75	NG	ND	50.56	ND	NA	NA	NA	3312.19	
MW-7	02/21/07	3362.75	NG	ND	50.54	ND	NA	NA	NA	3312.21	
MW-7	02/28/07	3362.75	63.75	ND	50.41	ND	NA	NA	NA	3312.34	Sampled
MW-7	03/07/07	3362.75	NG	ND	50.50	ND	NA	NA	NA	3312.25	
MW-7	04/03/07	3362.75	NG	ND	50.49	ND	NA	NA	NA	3312.26	
MW-7	05/30/07	3362.75	63.77	ND	50.43	ND	NA	NA	NA	3312.32	Sampled
MW-7	06/06/07	3362.75	63.77	ND	50.32	ND	NA	NA	NA	3312.43	
MW-7	07/05/07	3362.75	63.70	ND	50.31	ND	NA	NA	NA	3312.44	
MW-7	07/31/07	3362.75	63.70	ND	50.34	ND	NA	NA	NA	3312.41	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-7	09/06/07	3362.75	63.70	ND	50.28	ND	NA	NA	NA	3312.47	Sampled
MW-7	09/10/07	3362.75	63.71	ND	50.33	ND	NA	NA	NA	3312.42	
MW-7	11/13/07	3362.75	63.72	ND	50.36	ND	NA	NA	NA	3312.39	Sampled
MW-7	12/27/07	3362.75	63.72	ND	50.32	ND	NA	NA	NA	3312.43	
MW-7	01/09/08	3362.75	63.74	ND	50.25	ND	NA	NA	NA	3312.50	
MW-7	02/06/08	3362.75	63.74	ND	50.20	ND	NA	NA	NA	3312.55	
MW-7	02/27/08	3362.75	63.75	ND	50.45	ND	NA	NA	NA	3312.30	Sampled
MW-7	04/02/08	3362.75	63.75	ND	50.28	ND	NA	NA	NA	3312.47	
MW-7	05/28/08	3362.75	63.68	ND	50.42	ND	NA	NA	NA	3312.33	Sampled
MW-7	06/18/08	3362.75	63.68	ND	50.48	ND	NA	NA	NA	3312.27	
MW-7	07/07/08	3362.75	63.68	ND	50.42	ND	NA	NA	NA	3312.33	
MW-7	08/18/08	3362.75	63.58	ND	50.47	ND	NA	NA	NA	3312.28	Sampled
MW-7	10/29/08	3362.75	63.76	ND	50.53	ND	NA	NA	NA	3312.22	
MW-7	11/19/08	3362.75	63.76	ND	50.53	ND	NA	NA	NA	3312.22	Sampled
MW-7	12/21/08	3362.75	63.76	ND	50.57	ND	NA	NA	NA	3312.18	
MW-7	01/07/09	3362.75	63.73	ND	50.45	ND	NA	NA	NA	3312.30	
MW-7	02/04/09	3362.75	63.61	ND	50.53	ND	NA	NA	NA	3312.22	
MW-7	02/17/09	3362.75	63.60	ND	50.51	ND	NA	NA	NA	3312.24	Sampled
MW-7	03/04/09	3362.75	63.77	ND	50.47	ND	NA	NA	NA	3312.28	
MW-7	04/08/09	3362.75	63.77	ND	50.52	ND	NA	NA	NA	3312.23	
MW-7	05/06/09	3362.75	63.77	ND	50.57	ND	NA	NA	NA	3312.18	
MW-7	05/19/09	3362.75	63.77	ND	50.60	ND	NA	NA	NA	3312.15	Sampled
MW-7	06/03/09	3362.75	63.77	ND	50.65	ND	NA	NA	NA	3312.10	
MW-7	07/15/09	3362.75	63.77	ND	50.66	ND	NA	NA	NA	3312.09	
MW-7	08/05/09	3362.75	63.77	ND	50.68	ND	NA	NA	NA	3312.07	
MW-7	08/26/09	3362.75	63.59	ND	50.70	ND	NA	NA	NA	3312.05	Sampled
MW-7	09/02/09	3362.75	63.59	ND	50.69	ND	NA	NA	NA	3312.06	
MW-7	10/07/09	3362.75	63.59	ND	50.69	ND	NA	NA	NA	3312.06	
MW-7	11/04/09	3362.75	63.59	ND	50.75	ND	NA	NA	NA	3312.00	
MW-7	11/18/09	3362.75	63.59	ND	50.70	ND	NA	NA	NA	3312.05	Sampled
MW-7	12/02/09	3362.75	63.59	ND	50.77	ND	NA	NA	NA	3311.98	
MW-7	01/06/10	3362.75	63.59	ND	50.69	ND	NA	NA	NA	3312.06	
MW-7	02/11/10	3362.75	63.59	ND	50.67	ND	NA	NA	NA	3312.08	Sampled
MW-7	03/10/10	3362.75	63.59	ND	50.61	ND	NA	NA	NA	3312.14	
MW-7	04/07/10	3362.75	63.59	ND	DNG	ND	NA	NA	NA	DNG	
MW-7	05/05/10	3362.75	63.59	ND	50.65	ND	NA	NA	NA	3312.10	
MW-7	05/11/10	3362.75	63.59	ND	50.54	ND	NA	NA	NA	3312.21	Sampled

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
MW-7	06/02/10	3362.75	63.59	ND	50.56	ND	NA	NA	NA	3312.19	
MW-7	07/07/10	3362.75	63.59	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	08/03/10	3362.75	63.59	ND	50.56	ND	NA	NA	NA	3312.19	
MW-7	08/26/10	3362.75	63.59	ND	50.58	ND	NA	NA	NA	3312.17	Sampled
MW-7	09/01/10	3362.75	63.59	ND	50.51	ND	NA	NA	NA	3312.24	
MW-7	10/13/10	3362.75	63.59	ND	50.66	ND	NA	NA	NA	3312.09	
MW-7	11/18/10	3362.75	63.59	ND	50.56	ND	NA	NA	NA	3312.19	Sampled
MW-7	11/23/10	3362.75	63.59	ND	50.57	ND	NA	NA	NA	3312.18	
MW-7	12/08/10	3362.75	63.59	ND	50.63	ND	NA	NA	NA	3312.12	
MW-7	01/12/11	3362.75	63.59	ND	50.60	ND	NA	NA	NA	3312.15	
MW-7	02/08/11	3362.75	63.59	ND	50.45	ND	NA	NA	NA	3312.30	
MW-7	02/23/11	3362.75	63.59	ND	50.49	ND	NA	NA	NA	3312.26	Sampled
MW-7	03/08/11	3362.75	63.59	ND	50.49	ND	NA	NA	NA	3312.26	
MW-7	04/13/11	3362.75	63.59	ND	50.47	ND	NA	NA	NA	3312.28	
MW-7	06/01/11	3362.75	63.59	ND	50.53	ND	NA	NA	NA	3312.22	Sampled
MW-7	07/27/11	3362.75	63.59	ND	50.55	ND	NA	NA	NA	3312.20	
MW-7	08/30/11	3362.75	63.59	ND	50.59	ND	NA	NA	NA	3312.16	Sampled
MW-7	09/14/11	3362.75	63.59	ND	50.68	ND	NA	NA	NA	3312.07	
MW-7	10/12/11	3362.75	63.59	ND	50.66	ND	NA	NA	NA	3312.09	
MW-7	11/28/11	3362.75	63.59	ND	50.66	ND	NA	NA	NA	3312.09	Sampled
MW-7	12/27/11	3362.75	63.59	ND	50.68	ND	NA	NA	NA	3312.07	
MW-7	01/18/12	3362.75	63.59	ND	50.69	ND	NA	NA	NA	3312.06	
MW-7	02/02/12	3362.75	63.59	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	02/15/12	3362.75	63.59	ND	50.68	ND	NA	NA	NA	3312.07	
MW-7	02/22/12	3362.75	63.59	ND	50.59	ND	NA	NA	NA	3312.16	Sampled
MW-7	04/26/12	3362.75	63.59	ND	50.60	ND	NA	NA	NA	3312.15	
MW-7	05/22/12	3362.75	63.59	ND	50.53	ND	NA	NA	NA	3312.22	Sampled
MW-7	07/18/12	3362.75	63.59	ND	50.76	ND	NA	NA	NA	3311.99	
MW-7	09/11/12	3362.75	63.59	ND	50.78	ND	NA	NA	NA	3311.97	
MW-7	11/26/12	3362.75	63.59	ND	50.84	ND	NA	NA	NA	3311.91	
MW-7	02/27/13	3362.75	63.59	ND	50.94	ND	NA	NA	NA	3311.81	
MW-7	06/11/13	3362.75	63.59	ND	50.94	ND	NA	NA	NA	3311.81	
MW-7	08/14/13	3362.75	63.59	ND	51.03	ND	NA	NA	NA	3311.72	
MW-7	09/10/13	3362.75	63.59	ND	51.08	ND	NA	NA	NA	3311.67	
MW-7	11/06/13	3362.75	63.65	ND	51.10	ND	NA	NA	NA	3311.65	
RW-1	04/13/06	3348.04	NG	35.62	35.65	0.03	NA	NA	NA	3312.42	After Bailing

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	04/25/06	3348.04	NG	35.68	36.01	0.33	Hand Bailed	0.50	0.00	3312.31	
RW-1	04/25/06	3348.04	NG	36.15	36.19	0.04	NA	NA	NA	3311.88	
RW-1	05/03/06	3348.04	NG	35.56	35.59	0.03	Hand Bailed	0.25	0.00	3312.48	
RW-1	05/03/06	3348.04	NG	35.51	35.53	0.02	NA	NA	NA	3312.53	
RW-1	05/11/06	3348.04	NG	ND	35.64	ND	Hand Bailed			3312.40	
RW-1	05/11/06	3348.04	NG	ND	35.78	ND	NA	NA	NA	3312.26	
RW-1	05/24/06	3348.04	NG	35.80	35.84	0.04	Hand Bailed	0.05	0.00	3312.23	
RW-1	05/24/06	3348.04	NG	ND	36.81	ND	NA	NA	NA	3311.23	
RW-1	06/07/06	3348.04	NG	35.81	35.82	0.01	Hand Bailed	0.01	0.00	3312.23	
RW-1	06/07/06	3348.04	NG	ND	36.90	ND	NA	NA	NA	3311.14	
RW-1	06/15/06	3348.04	NG	ND	35.68	ND	NA	NA	NA	3312.36	
RW-1	06/29/06	3348.04	NG	35.70	36.00	0.30	Hand Bailed	0.25	0.00	3312.30	
RW-1	06/29/06	3348.04	NG	ND	36.25	ND	NA	NA	NA	3311.79	
RW-1	07/11/06	3348.04	NG	35.84	35.89	0.05	NA	NA	NA	3312.19	
RW-1	07/25/06	3348.04	NG	35.89	36.02	0.13	NA	NA	NA	3312.13	
RW-1	08/09/06	3348.04	47.40	35.90	36.10	0.20	NA	NA	NA	3312.11	
RW-1	08/22/06	3348.04	NG	35.60	36.00	0.40	Hand Bailed	0.75	9.25	3312.38	
RW-1	08/22/06	3348.04	NG	36.70	36.74	0.04	NA	NA	NA	3311.33	
RW-1	09/12/06	3348.04	47.62	35.70	36.33	0.63	NA	NA	NA	3312.25	
RW-1	09/19/06	3348.04	NG	35.64	36.18	0.54	Hand Bailed	0.25	4.75	3312.32	
RW-1	09/19/06	3348.04	NG	36.15	36.20	0.05	NA	NA	NA	3311.88	
RW-1	10/03/06	3348.04	NG	35.48	35.49	0.01	Hand Bailed	0.10	9.90	3312.56	
RW-1	10/03/06	3348.04	NG	ND	35.59	ND	NA	NA	NA	3312.45	Installed Sock
RW-1	10/17/06	3348.04	NG	35.66	35.70	0.04	Hand Bailed	0.10	4.90	3312.37	
RW-1	10/17/06	3348.04	NG	ND	35.83	ND	NA	NA	NA	3312.21	Sock
RW-1	10/31/06	3348.04	NG	35.60	35.64	0.04	Hand Bailed	0.10	4.90	3312.43	
RW-1	10/31/06	3348.04	NG	ND	35.72	ND	NA	NA	NA	3312.32	Sock
RW-1	11/15/06	3348.04	NG	50.56	50.68	0.12	Hand Bailed	0.10	9.90	3297.46	
RW-1	11/15/06	3348.04	NG	ND	50.65	ND	NA	NA	NA	3297.39	
RW-1	12/06/06	3360.67	NG	50.52	50.74	0.22		0.10	9.90	3310.12	Installed Sock
RW-1	12/13/06	3360.67	NG	50.48	50.79	0.31	Hand Bailed	0.25	4.75	3310.14	
RW-1	12/13/06	3360.67	NG	ND	51.90	ND	NA	NA	NA	3308.77	
RW-1	12/20/06	3360.67	NG	ND	50.76	ND	NA	NA	NA	3309.91	Removed sock
RW-1	12/27/06	3360.67	NG	50.44	50.48	0.04	Hand Bailed	0.10	4.90	3310.22	
RW-1	12/27/06	3360.67	NG	ND	51.62	ND	NA	NA	NA	3309.05	No Sock
RW-1	01/03/07	3360.67	NG	50.50	50.58	0.08	Hand Bailed	0.25	0.75	3310.16	
RW-1	01/03/07	3360.67	NG	ND	52.13	ND	NA	NA	NA	3308.54	Installed Sock

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	01/09/07	3360.67	NG	ND	50.73	ND	Hand Bailed	0.10	5.00	3309.94	
RW-1	01/09/07	3360.67	NG	ND	52.22	ND	NA	NA	NA	3308.45	Flipped Sock
RW-1	01/18/07	3360.67	NG	ND	50.65	ND	Hand Bailed	0.10	9.90	3310.02	
RW-1	01/18/07	3360.67	NG	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	01/22/07	3360.67	NG	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	02/01/07	3360.67	NG	ND	50.62	ND	Hand Bailed	0.10	9.90	3310.05	
RW-1	02/01/07	3360.67	NG	ND	51.99	ND	NA	NA	NA	3308.68	New sock
RW-1	02/07/07	3360.67	NG	ND	50.77	ND	Hand Bailed	0.10	9.90	3309.90	
RW-1	02/07/07	3360.67	NG	ND	51.76	ND	NA	NA	NA	3308.91	Flipped Sock
RW-1	02/14/07	3360.67	NG	ND	50.75	ND	Hand Bailed	0.10	9.90	3309.92	
RW-1	02/14/07	3360.67	NG	ND	51.82	ND	NA	NA	NA	3308.85	Sock
RW-1	02/21/07	3360.67	NG	ND	50.77	ND	Hand Bailed	0.10	9.90	3309.90	
RW-1	02/21/07	3360.67	NG	ND	51.96	ND	NA	NA	NA	3308.71	Sock
RW-1	02/28/07	3360.67	NG	ND	51.96	ND	NA	NA	NA	3308.71	
RW-1	03/07/07	3360.67	NG	ND	50.77	ND	NA	NA	NA	3309.90	New sock
RW-1	03/14/07	3360.67	NG	ND	50.62	ND	NA	NA	NA	3310.05	Sock
RW-1	03/21/07	3360.67	NG	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	03/28/07	3360.67	NG	ND	50.63	ND	NA	NA	NA	3310.04	New sock
RW-1	04/03/07	3360.67	NG	ND	50.38	ND	NA	NA	NA	3310.29	Sock
RW-1	04/10/07	3360.67	NG	ND	50.43	ND	NA	NA	NA	3310.24	Sock
RW-1	04/18/07	3360.67	NG	ND	50.35	ND	NA	NA	NA	3310.32	Sock
RW-1	04/24/07	3360.67	NG	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	05/03/07	3360.67	NG	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	05/11/07	3360.67	NG	ND	50.33	ND	NA	NA	NA	3310.34	Sock
RW-1	05/16/07	3360.67	NG	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	05/23/07	3360.67	NG	ND	50.23	ND	NA	NA	NA	3310.44	Flipped Sock
RW-1	06/06/07	3360.67	61.88	ND	50.34	ND	NA	NA	NA	3310.33	Sock
RW-1	06/13/07	3360.67	61.88	ND	50.37	ND	NA	NA	NA	3310.30	Sock
RW-1	06/19/07	3360.67	61.88	ND	50.24	ND	NA	NA	NA	3310.43	Sock
RW-1	06/27/07	3360.67	61.88	ND	50.31	ND	NA	NA	NA	3310.36	Sock
RW-1	07/05/07	3360.67	61.75	50.18	50.20	0.02	NA	NA	NA	3310.49	New sock
RW-1	07/11/07	3360.67	61.75	ND	50.28	ND	NA	NA	NA	3310.39	Sock
RW-1	07/19/07	3360.67	61.75	ND	50.45	ND	NA	NA	NA	3310.22	Sock
RW-1	07/24/07	3360.67	61.75	ND	50.36	ND	NA	NA	NA	3310.31	Sock
RW-1	07/31/07	3360.67	61.73	ND	50.41	ND	NA	NA	NA	3310.26	Sock
RW-1	08/09/07	3360.67	61.73	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	08/16/07	3360.67	61.73	ND	50.48	ND	NA	NA	NA	3310.19	Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	08/22/07	3360.67	61.73	ND	50.63	ND	NA	NA	NA	3310.04	Sock
RW-1	08/28/07	3360.67	61.73	ND	50.78	ND	NA	NA	NA	3309.89	Sock
RW-1	09/06/07	3360.67	61.73	ND	50.78	ND	NA	NA	NA	3309.89	Sock
RW-1	09/13/07	3360.67	61.75	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	09/18/07	3360.67	61.75	ND	50.54	ND	NA	NA	NA	3310.13	Sock
RW-1	09/26/07	3360.67	61.75	ND	50.58	ND	NA	NA	NA	3310.09	Sock
RW-1	10/04/07	3360.67	61.75	ND	50.63	ND	NA	NA	NA	3310.04	Sock
RW-1	10/10/07	3360.67	61.73	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	10/17/07	3360.67	61.73	ND	50.62	ND	NA	NA	NA	3310.05	Sock
RW-1	10/24/07	3360.67	61.73	ND	50.61	ND	NA	NA	NA	3310.06	Sock
RW-1	10/31/07	3360.67	61.73	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	11/07/07	3360.67	61.73	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	11/13/07	3360.67	61.73	ND	50.62	ND	NA	NA	NA	3310.05	Sock
RW-1	11/20/07	3360.67	61.73	ND	50.64	ND	NA	NA	NA	3310.03	Sock
RW-1	11/27/07	3360.67	61.73	ND	50.63	ND	NA	NA	NA	3310.04	Sock
RW-1	12/05/07	3360.67	61.73	ND	49.90	ND	NA	NA	NA	3310.77	New sock
RW-1	12/12/07	3360.67	61.73	ND	49.89	ND	NA	NA	NA	3310.78	Sock
RW-1	12/18/07	3360.67	61.73	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	12/27/07	3360.67	61.73	ND	50.47	ND	NA	NA	NA	3310.20	New sock
RW-1	01/03/08	3360.67	61.73	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	01/09/08	3360.67	61.73	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	01/17/08	3360.67	61.73	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	01/23/08	3360.67	61.73	ND	50.44	ND	NA	NA	NA	3310.23	Sock
RW-1	01/30/08	3360.67	61.73	ND	50.56	ND	NA	NA	NA	3310.11	Sock
RW-1	02/06/08	3360.67	61.73	ND	50.56	ND	NA	NA	NA	3310.11	Sock
RW-1	02/13/08	3360.67	61.73	ND	50.54	ND	NA	NA	NA	3310.13	Sock
RW-1	02/18/08	3360.67	61.73	ND	50.34	ND	Hand Bailed	0.00	20.00	3310.33	
RW-1	02/18/08	3360.67	61.73	ND	53.12	ND	NA	NA	NA	3307.55	Sock
RW-1	02/27/08	3360.67	61.73	ND	50.37	ND	NA	NA	NA	3310.30	Sock
RW-1	03/04/08	3360.67	61.73	ND	50.41	ND	NA	NA	NA	3310.26	Sock
RW-1	03/12/08	3360.67	61.73	ND	50.43	ND	NA	NA	NA	3310.24	Sock
RW-1	03/19/08	3360.67	61.73	ND	50.45	ND	NA	NA	NA	3310.22	Sock
RW-1	03/26/08	3360.67	61.73	ND	50.45	ND	NA	NA	NA	3310.22	Sock
RW-1	04/02/08	3360.67	61.73	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	04/09/08	3360.67	61.73	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	04/16/08	3360.67	61.73	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	04/24/08	3360.67	61.73	ND	50.70	ND	NA	NA	NA	3309.97	Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	04/30/08	3360.67	61.73	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	05/07/08	3360.67	61.73	ND	50.62	ND	NA	NA	NA	3310.05	Sock
RW-1	05/14/08	3360.67	61.73	ND	50.68	ND	NA	NA	NA	3309.99	Sock
RW-1	05/22/08	3360.67	61.73	ND	50.70	ND	NA	NA	NA	3309.97	Sock
RW-1	05/28/08	3360.67	61.70	ND	50.70	ND	NA	NA	NA	3309.97	Flipped Sock
RW-1	06/04/08	3360.67	61.70	ND	50.75	ND	NA	NA	NA	3309.92	Sock
RW-1	06/11/08	3360.67	61.70	ND	50.80	ND	NA	NA	NA	3309.87	Sock
RW-1	06/18/08	3360.67	61.70	ND	50.84	ND	NA	NA	NA	3309.83	Sock
RW-1	06/26/08	3360.67	61.70	ND	50.90	ND	NA	NA	NA	3309.77	Sock
RW-1	07/02/08	3360.67	61.70	ND	50.91	ND	NA	NA	NA	3309.76	Sock
RW-1	07/07/08	3360.67	61.70	ND	50.73	ND	NA	NA	NA	3309.94	New sock
RW-1	07/16/08	3360.67	61.70	ND	50.77	ND	NA	NA	NA	3309.90	Sock
RW-1	07/22/08	3360.67	61.70	ND	50.81	ND	NA	NA	NA	3309.86	Sock
RW-1	07/29/08	3360.67	61.70	ND	50.85	ND	NA	NA	NA	3309.82	Sock
RW-1	08/06/08	3360.67	61.70	ND	50.82	ND	NA	NA	NA	3309.85	Sock
RW-1	08/13/08	3360.67	61.70	ND	50.80	ND	NA	NA	NA	3309.87	New sock
RW-1	08/18/08	3360.67	61.70	ND	DNG	ND	NA	NA	NA	DNG	Sock
RW-1	08/27/08	3360.67	61.70	ND	50.87	ND	NA	NA	NA	3309.80	Sock
RW-1	09/02/08	3360.67	61.70	ND	50.91	ND	NA	NA	NA	3309.76	Sock
RW-1	09/09/08	3360.67	61.70	ND	50.95	ND	NA	NA	NA	3309.72	Sock
RW-1	09/16/08	3360.67	61.70	ND	50.42	ND	NA	NA	NA	3310.25	Sock
RW-1	09/24/08	3360.67	61.70	ND	50.79	ND	NA	NA	NA	3309.88	Sock
RW-1	10/01/08	3360.67	61.70	ND	50.65	ND	NA	NA	NA	3310.02	Sock
RW-1	10/08/08	3360.67	61.70	ND	50.92	ND	NA	NA	NA	3309.75	Sock
RW-1	10/15/08	3360.67	61.70	50.70	50.73	0.03		0.50	14.50	3309.97	Sock
RW-1	10/22/08	3360.67	61.70	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	10/29/08	3360.67	61.70	ND	50.55	ND	NA	NA	NA	3310.12	Sock
RW-1	11/05/08	3360.67	61.70	ND	50.56	ND	NA	NA	NA	3310.11	Sock
RW-1	11/12/08	3360.67	61.70	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	11/19/08	3360.67	61.70	ND	50.64	ND	NA	NA	NA	3310.03	Sock
RW-1	11/26/08	3360.67	61.70	ND	50.56	ND	Pumped	0.00	10.00	3310.11	
RW-1	11/26/08	3360.67	61.70	ND	51.13	ND	NA	NA	NA	3309.54	
RW-1	12/03/08	3360.67	61.70	ND	50.64	ND	Pumped	0.00	10.00	3310.03	
RW-1	12/03/08	3360.67	61.70	ND	51.27	ND	NA	NA	NA	3309.40	
RW-1	12/10/08	3360.67	61.70	ND	50.73	ND	Pumped	0.00	9.00	3309.94	
RW-1	12/10/08	3360.67	61.70	ND	50.72	ND	NA	NA	NA	3309.95	
RW-1	12/17/08	3360.67	61.70	ND	50.79	ND	Pumped	0.00	10.00	3309.88	

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RW-1	12/17/08	3360.67	61.70	ND	50.83	ND	NA	NA	NA	3309.84	
RW-1	12/21/08	3360.67	61.70	ND	50.96	ND	NA	NA	NA	3309.71	Sock
RW-1	12/31/08	3360.67	61.70	ND	50.62	ND		0.00	10.00	3310.05	Sock
RW-1	12/31/08	3360.67	61.70	ND	50.60	ND	NA	NA	NA	3310.07	
RW-1	01/07/09	3360.67	61.75	ND	50.54	ND	NA	NA	NA	3310.13	Sock
RW-1	01/15/09	3360.67	61.75	ND	50.58	ND		0.00	10.00	3310.09	Sock
RW-1	01/15/09	3360.67	61.75	ND	51.77	ND	NA	NA	NA	3308.90	Sock
RW-1	01/22/09	3360.67	61.75	ND	50.59	ND		0.00	10.00	3310.08	New Sock
RW-1	01/22/09	3360.67	61.75	ND	51.37	ND	NA	NA	NA	3309.30	
RW-1	01/28/09	3360.67	61.75	ND	50.48	ND		0.00	10.00	3310.19	Flipped Sock
RW-1	01/28/09	3360.67	61.75	ND	52.33	ND	NA	NA	NA	3308.34	
RW-1	02/04/09	3360.67	61.64	ND	50.62	ND	Hand Bailed	0.00	10.00	3310.05	
RW-1	02/04/09	3360.67	61.64	ND	52.01	ND	NA	NA	NA	3308.66	
RW-1	02/11/09	3360.67	61.64	ND	50.55	ND	Hand Bailed	0.00	20.00	3310.12	
RW-1	02/11/09	3360.67	61.64	ND	50.56	ND	NA	NA	NA	3310.11	
RW-1	02/17/09	3360.67	61.64	ND	50.46	ND	Pumped	0.00	10.00	3310.21	
RW-1	02/17/09	3360.67	61.64	ND	50.44	ND	NA	NA	NA	3310.23	
RW-1	02/25/09	3360.67	61.64	ND	50.54	ND	Pumped	0.00	20.00	3310.13	Flipped Sock
RW-1	02/25/09	3360.67	61.64	ND	50.49	ND	NA	NA	NA	3310.18	
RW-1	03/04/09	3360.67	61.65	ND	50.54	ND		0.00	15.00	3310.13	New Sock
RW-1	03/04/09	3360.67	61.65	ND	52.27	ND	NA	NA	NA	3308.40	
RW-1	03/11/09	3360.67	61.65	ND	50.63	ND		0.00	10.00	3310.04	Flipped Sock
RW-1	03/11/09	3360.67	61.65	ND	50.83	ND	NA	NA	NA	3309.84	
RW-1	03/18/09	3360.67	61.65	ND	50.47	ND		0.00	10.00	3310.20	New Sock
RW-1	03/18/09	3360.67	61.65	ND	50.95	ND	NA	NA	NA	3309.72	
RW-1	03/25/09	3360.67	61.65	ND	50.42	ND		0.00	10.00	3310.25	Flipped Sock
RW-1	03/25/09	3360.67	61.65	ND	51.29	ND	NA	NA	NA	3309.38	
RW-1	04/01/09	3360.67	61.65	ND	50.52	ND	NA	NA	NA	3310.15	New Sock
RW-1	04/08/09	3360.67	61.65	ND	50.48	ND	NA	NA	NA	3310.19	
RW-1	04/08/09	3360.67	61.65	ND	51.25	ND	NA	NA	NA	3309.42	
RW-1	04/15/09	3360.67	61.65	ND	50.85	ND	NA	NA	NA	3309.82	
RW-1	04/22/09	3360.67	61.65	ND	50.64	ND	NA	NA	NA	3310.03	
RW-1	04/29/09	3360.67	61.65	ND	50.52	ND	NA	NA	NA	3310.15	
RW-1	05/06/09	3360.67	61.65	ND	50.63	ND	NA	NA	NA	3310.04	
RW-1	05/06/09	3360.67	61.65	ND	52.44	ND	Pumped	0.00	10.00	3308.23	
RW-1	05/14/09	3360.67	61.65	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	05/19/09	3360.67	61.65	ND	50.56	ND	Pumped	0.00	22.00	3310.11	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	05/27/09	3360.67	61.65	ND	50.57	ND	NA	NA	NA	3310.10	
RW-1	05/27/09	3360.67	61.65	ND	52.35	ND	Pumped	0.00	10.00	3308.32	
RW-1	06/03/09	3360.67	61.65	ND	50.19	ND	NA	NA	NA	3310.48	
RW-1	06/03/09	3360.67	61.65	ND	50.36	ND	Pumped	0.00	15.00	3310.31	
RW-1	06/11/09	3360.67	61.65	ND	50.56	ND	NA	NA	NA	3310.11	
RW-1	06/11/09	3360.67	61.65	ND	52.03	ND	Pumped	0.00	10.00	3308.64	
RW-1	06/17/09	3360.67	61.65	ND	50.68	ND	NA	NA	NA	3309.99	
RW-1	06/23/09	3360.67	61.65	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	07/01/09	3360.67	61.65	ND	50.37	ND	NA	NA	NA	3310.30	Flipped Sock
RW-1	07/07/09	3360.67	61.65	ND	51.00	ND	NA	NA	NA	3309.67	
RW-1	07/15/09	3360.67	61.65	ND	51.00	ND	NA	NA	NA	3309.67	New Sock
RW-1	07/29/09	3360.67	61.65	ND	50.80	ND	NA	NA	NA	3309.87	
RW-1	08/05/09	3360.67	61.65	ND	50.73	ND	NA	NA	NA	3309.94	Flipped Sock
RW-1	08/12/09	3360.67	61.65	ND	50.80	ND	NA	NA	NA	3309.87	
RW-1	08/19/09	3360.67	61.65	ND	50.80	ND	NA	NA	NA	3309.87	New Sock
RW-1	08/26/09	3360.67	61.65	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	09/02/09	3360.67	61.65	ND	50.79	ND	NA	NA	NA	3309.88	
RW-1	09/09/09	3360.67	61.65	ND	50.82	ND	NA	NA	NA	3309.85	
RW-1	09/16/09	3360.67	61.65	ND	50.96	ND	NA	NA	NA	3309.71	
RW-1	09/23/09	3360.67	61.65	ND	50.96	ND	NA	NA	NA	3309.71	New Sock
RW-1	09/30/09	3360.67	61.65	ND	50.77	ND	Pumped	0.00	10.00	3309.90	
RW-1	09/30/09	3360.67	61.65	ND	54.20	ND	NA	NA	NA	3306.47	
RW-1	10/07/09	3360.67	61.65	ND	50.87	ND	NA	NA	NA	3309.80	
RW-1	10/14/09	3360.67	61.65	ND	50.93	ND	NA	NA	NA	3309.74	
RW-1	10/21/09	3360.67	61.65	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	10/28/09	3360.67	61.65	ND	50.32	ND	Pumped	0.00	20.00	3310.35	
RW-1	10/28/09	3360.67	61.65	ND	50.35	ND	NA	NA	NA	3310.32	
RW-1	11/04/09	3360.67	61.65	50.75	50.79	0.04	Pumped	0.00	10.00	3309.91	
RW-1	11/04/09	3360.67	61.65	ND	51.97	ND	NA	NA	NA	3308.70	
RW-1	11/11/09	3360.67	61.65	50.75	50.81	0.06	Pumped	0.25	9.75	3309.91	
RW-1	11/11/09	3360.67	61.65	ND	52.19	ND	NA	NA	NA	3308.48	
RW-1	11/18/09	3360.67	61.65	50.69	50.75	0.06	Pumped	0.10	19.90	3309.97	
RW-1	11/18/09	3360.67	61.65	ND	51.95	ND	NA	NA	NA	3308.72	
RW-1	11/25/09	3360.67	61.65	50.76	50.83	0.07	Pumped	0.10	9.90	3309.90	
RW-1	11/25/09	3360.67	61.65	ND	51.75	ND	NA	NA	NA	3308.92	
RW-1	12/02/09	3360.67	61.65	50.74	50.80	0.06	Pumped	0.10	9.90	3309.92	
RW-1	12/02/09	3360.67	61.65	ND	53.15	ND	NA	NA	NA	3307.52	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	12/09/09	3360.67	61.65	50.76	50.82	0.06	Pumped	0.10	9.90	3309.90	
RW-1	12/09/09	3360.67	61.65	ND	51.85	ND	NA	NA	NA	3308.82	
RW-1	12/16/09	3360.67	61.65	50.79	50.85	0.06	Pumped	0.25	9.75	3309.87	
RW-1	12/16/09	3360.67	61.65	ND	51.42	ND	NA	NA	NA	3309.25	
RW-1	12/23/09	3360.67	61.65	50.68	50.75	0.07	Pumped	0.10	9.90	3309.98	
RW-1	12/23/09	3360.67	61.65	ND	52.46	ND	NA	NA	NA	3308.21	
RW-1	12/30/09	3360.67	61.65	50.71	50.80	0.09	Pumped	0.10	9.90	3309.95	
RW-1	12/30/09	3360.67	61.65	ND	51.80	ND	NA	NA	NA	3308.87	
RW-1	01/06/10	3360.67	61.65	50.69	50.76	0.07	Pumped	0.10	9.90	3309.97	
RW-1	01/13/10	3360.67	61.65	50.72	50.78	0.06	Pumped	0.10	9.90	3309.94	
RW-1	01/20/10	3360.67	61.65	50.64	50.69	0.05	Pumped	0.10	9.90	3310.02	
RW-1	01/27/10	3360.67	61.65	50.73	50.88	0.15	Pumped	0.10	9.90	3309.92	
RW-1	02/11/10	3360.67	61.65	50.67	50.80	0.13	Pumped	0.10	9.90	3309.98	
RW-1	02/17/10	3360.67	61.65	50.66	50.73	0.07	Pumped	0.10	9.90	3310.00	
RW-1	02/17/10	3360.67	61.65	ND	52.83	ND	NA	NA	NA	3307.84	
RW-1	03/02/10	3360.67	61.65	50.66	50.69	0.03	Pumped	0.10	9.90	3310.01	
RW-1	03/10/10	3360.67	61.65	50.57	50.64	0.07	Pumped	0.10	9.90	3310.09	
RW-1	03/17/10	3360.67	61.65	50.66	50.72	0.06	Pumped	0.10	9.90	3310.00	
RW-1	03/24/10	3360.67	61.65	50.60	50.62	0.02	Pumped	0.10	9.90	3310.07	
RW-1	03/31/10	3360.67	61.65	50.53	50.56	0.03	NA	NA	NA	3310.14	
RW-1	04/07/10	3360.67	61.65	50.60	50.68	0.08	NA	NA	NA	3310.06	
RW-1	04/14/10	3360.67	61.65	50.55	50.57	0.02	NA	NA	NA	3310.12	
RW-1	04/21/10	3360.67	61.65	50.47	50.61	0.14	Pumped	0.10	9.90	3310.18	
RW-1	04/28/10	3360.67	61.65	ND	50.59	ND	NA	NA	NA	3310.08	
RW-1	05/05/10	3360.67	61.65	50.55	50.65	0.10	hand	0.10	9.90	3310.11	
RW-1	05/11/10	3360.67	61.65	50.48	50.52	0.04	Pumped	0.10	24.90	3310.18	
RW-1	05/19/10	3360.67	61.65	50.55	50.59	0.04	Pumped	0.10	9.90	3310.11	
RW-1	05/29/10	3360.67	61.65	50.56	50.63	0.07	Pumped	0.10	9.90	3310.10	
RW-1	06/02/10	3360.67	61.65	50.52	50.55	0.03	NA	NA	NA	3310.15	
RW-1	06/12/10	3360.67	61.65	50.60	50.65	0.05	NA	NA	NA	3310.06	
RW-1	06/15/10	3360.67	61.65	50.50	50.60	0.10	NA	NA	NA	3310.16	
RW-1	06/25/10	3360.67	61.65	50.56	50.73	0.17	Pumped	<.25	10.00	3310.08	
RW-1	07/07/10	3360.67	61.65	50.60	50.66	0.06	NA	NA	NA	3310.06	
RW-1	07/14/10	3360.67	61.65	50.58	50.68	0.10	Pumped	0.10	9.90	3310.08	
RW-1	07/21/10	3360.67	61.65	50.60	50.65	0.05	NA	NA	NA	3310.06	
RW-1	07/28/10	3360.67	61.65	50.59	50.64	0.05	NA	NA	NA	3310.07	
RW-1	08/03/10	3360.67	61.65	50.57	50.67	0.10	NA	NA	NA	3310.09	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	08/11/10	3360.67	61.65	50.53	50.69	0.16	NA	NA	NA	3310.12	
RW-1	08/18/10	3360.67	61.65	50.55	50.69	0.14	Pumped	0.10	9.90	3310.10	
RW-1	08/18/10	3360.67	61.65	54.75	54.79	0.03	NA	NA	NA	3305.91	
RW-1	08/26/10	3360.67	61.65	50.60	50.63	0.03	NA	NA	NA	3310.07	
RW-1	09/01/10	3360.67	61.65	50.52	50.57	0.05	NA	NA	NA	3310.14	
RW-1	09/08/10	3360.67	61.65	50.58	50.64	0.06	Pumped	0.10	9.90	3310.08	
RW-1	09/15/10	3360.67	61.65	50.59	50.61	0.02	Pumped	0.10	4.90	3310.08	
RW-1	09/21/10	3360.67	61.65	50.54	50.55	0.01	NA	NA	NA	3310.13	
RW-1	10/01/10	3360.67	61.65	50.63	50.68	0.05	Pumped	0.10	9.90	3310.03	
RW-1	10/06/10	3360.67	61.65	50.64	50.65	0.01	NA	NA	NA	3310.03	
RW-1	10/13/10	3360.67	61.65	50.64	50.68	0.04	NA	NA	NA	3310.02	
RW-1	10/22/10	3360.67	61.65	50.56	50.59	0.03	NA	NA	NA	3310.11	
RW-1	10/27/10	3360.67	61.65	50.54	50.58	0.04	NA	NA	NA	3310.12	
RW-1	11/03/10	3360.67	61.65	ND	50.61	ND	Pumped	0.10	9.90	3310.06	
RW-1	11/10/10	3360.67	61.65	50.47	50.48	0.01	NA	NA	NA	3310.20	
RW-1	11/16/10	3360.67	61.65	50.55	50.60	0.05	Pumped	0.10	9.90	3310.11	
RW-1	11/16/10	3360.67	61.65	ND	52.14	ND	NA	NA	NA	3308.53	
RW-1	11/23/10	3360.67	61.65	50.49	50.52	0.03	NA	NA	NA	3310.18	
RW-1	12/01/10	3360.67	61.65	50.45	50.47	0.02	NA	NA	NA	3310.22	
RW-1	12/08/10	3360.67	61.65	50.52	50.58	0.06	Pumped	0.10	9.90	3310.14	
RW-1	12/08/10	3360.67	61.65	ND	51.94	ND	NA	NA	NA	3308.73	
RW-1	12/15/10	3360.67	61.65	50.41	50.43	0.02	Pumped	0.10	9.90	3310.26	
RW-1	12/15/10	3360.67	61.65	ND	52.62	ND	NA	NA	NA	3308.05	
RW-1	12/21/10	3360.67	61.65	50.49	50.50	0.01	Pumped	0.10	9.90	3310.18	
RW-1	12/21/10	3360.67	61.65	ND	52.92	ND	NA	NA	NA	3307.75	
RW-1	01/08/11	3360.67	61.65	50.43	50.44	0.01	NA	NA	NA	3310.24	
RW-1	01/12/11	3360.67	61.65	50.53	50.57	0.04	NA	NA	NA	3310.13	
RW-1	01/19/11	3360.67	61.65	50.40	50.44	0.04		0.10	9.90	3310.26	
RW-1	01/19/11	3360.67	61.65	ND	51.61	ND	NA	NA	NA	3309.06	
RW-1	01/25/11	3360.67	61.65	50.46	50.47	0.01	NA	NA	NA	3310.21	
RW-1	02/04/11	3360.67	61.65	50.43	50.44	0.01	NA	NA	NA	3310.24	
RW-1	02/08/11	3360.67	61.65	50.37	50.48	0.11	NA	NA	NA	3310.28	
RW-1	02/16/11	3360.67	61.65	50.40	50.48	0.08		0.10	9.90	3310.26	
RW-1	02/16/11	3360.67	61.65	ND	51.72	ND	NA	NA	NA	3308.95	
RW-1	02/23/11	3360.67	61.65	50.41	50.42	0.01		0.10	9.90	3310.26	
RW-1	02/23/11	3360.67	61.65	ND	52.51	ND	NA	NA	NA	3308.16	
RW-1	03/02/11	3360.67	61.65	50.43	50.44	0.01		0.10	9.90	3310.24	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	03/02/11	3360.67	61.65	ND	51.53	ND	NA	NA	NA	3309.14	
RW-1	03/08/11	3360.67	61.65	50.39	50.40	0.01	Hand Bailed	0.10	4.90	3310.28	
RW-1	03/08/11	3360.67	61.65	ND	52.38	ND	NA	NA	NA	3308.29	
RW-1	03/16/11	3360.67	61.65	50.40	50.41	0.01	NA	0.10	4.90	3310.27	
RW-1	03/16/11	3360.67	61.65	ND	52.10	ND	NA	NA	NA	3308.57	
RW-1	03/23/11	3360.67	61.65	50.42	50.43	0.01	NA	0.10	4.90	3310.25	
RW-1	03/23/11	3360.67	61.65	ND	51.95	ND	NA	NA	NA	3308.72	
RW-1	03/30/11	3360.67	61.65	50.39	50.40	0.01	NA	0.10	9.90	3310.28	
RW-1	03/30/11	3360.67	61.65	ND	51.34	ND	NA	NA	NA	3309.33	
RW-1	04/08/11	3360.67	61.65	50.37	50.38	0.01	Pumped	0.10	9.90	3310.30	
RW-1	04/08/11	3360.67	61.65	ND	52.24	ND	NA	NA	NA	3308.43	
RW-1	04/13/11	3360.67	61.65	50.35	50.36	0.01	NA	0.10	4.90	3310.32	
RW-1	04/13/11	3360.67	61.65	ND	52.04	ND	NA	NA	NA	3308.63	
RW-1	04/20/11	3360.67	61.65	50.41	50.43	0.02	Hand Bailed	0.10	4.90	3310.26	
RW-1	04/20/11	3360.67	61.65	ND	51.73	ND	NA	NA	NA	3308.94	
RW-1	04/27/11	3360.67	61.65	50.42	50.43	0.01	Pumped	0.10	9.90	3310.25	
RW-1	04/27/11	3360.67	61.65	ND	52.44	ND	NA	NA	NA	3308.23	
RW-1	05/04/11	3360.67	61.65	50.31	50.32	0.01		0.10	9.90	3310.36	
RW-1	05/04/11	3360.67	61.65	ND	53.02	ND	NA	NA	NA	3307.65	
RW-1	05/11/11	3360.67	61.65	50.34	50.35	0.01		0.10	9.90	3310.33	
RW-1	05/11/11	3360.67	61.65	ND	52.30	ND	NA	NA	NA	3308.37	
RW-1	05/19/11	3360.67	61.65	50.34	50.35	0.01		0.10	14.90	3310.33	
RW-1	05/19/11	3360.67	61.65	ND	52.50	ND	NA	NA	NA	3308.17	
RW-1	05/24/11	3360.67	61.65	50.35	50.37	0.02		0.10	9.90	3310.32	
RW-1	05/24/11	3360.67	61.65	ND	51.28	ND	NA	NA	NA	3309.39	
RW-1	06/01/11	3360.67	61.65	50.53	50.54	0.01	NA	NA	NA	3310.14	Sampled
RW-1	06/08/11	3360.67	61.65	50.42	50.43	0.01		0.00	10.00	3310.25	
RW-1	06/08/11	3360.67	61.65	ND	50.95	ND	NA	NA	NA	3309.72	
RW-1	06/17/11	3360.67	61.65	50.34	50.35	0.01		0.00	10.00	3310.33	
RW-1	06/17/11	3360.67	61.65	ND	51.56	ND	NA	NA	NA	3309.11	
RW-1	06/21/11	3360.67	61.65	50.37	50.41	0.04		0.10	9.90	3310.29	
RW-1	06/21/11	3360.67	61.65	ND	51.35	ND	NA	NA	NA	3309.32	
RW-1	06/29/11	3360.67	61.65	50.54	50.58	0.04		0.10	4.90	3310.12	
RW-1	06/29/11	3360.67	61.65	ND	51.88	ND	NA	NA	NA	3308.79	
RW-1	07/06/11	3360.67	61.65	50.56	50.58	0.02		0.10	4.90	3310.11	
RW-1	07/06/11	3360.67	61.65	ND	50.92	ND	NA	NA	NA	3309.75	
RW-1	07/13/11	3360.67	61.65	50.55	50.56	0.01		0.10	9.90	3310.12	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	07/13/11	3360.67	61.65	ND	51.85	ND	NA	NA	NA	3308.82	
RW-1	07/20/11	3360.67	61.65	50.58	50.59	0.01	NA	NA	NA	3310.09	
RW-1	07/27/11	3360.67	61.65	50.55	50.58	0.03		0.10	9.90	3310.12	
RW-1	07/27/11	3360.67	61.65	ND	51.99	ND	NA	NA	NA	3308.68	
RW-1	08/03/11	3360.67	61.65	50.60	50.65	0.05		0.10	4.90	3310.06	
RW-1	08/03/11	3360.67	61.65	ND	51.70	ND	NA	NA	NA	3308.97	
RW-1	08/11/11	3360.67	61.65	50.61	50.64	0.03	Hand Bailed	0.10	4.90	3310.06	
RW-1	08/11/11	3360.67	61.65	ND	51.25	ND	NA	NA	NA	3309.42	
RW-1	08/16/11	3360.67	61.65	50.54	50.56	0.02	NA	NA	NA	3310.13	
RW-1	08/24/11	3360.67	61.65	50.62	50.64	0.02		0.10	9.90	3310.05	
RW-1	08/24/11	3360.67	61.65	ND	51.79	ND	NA	NA	NA	3308.88	
RW-1	08/30/11	3360.67	61.65	50.62	50.64	0.02		0.10	4.90	3310.05	
RW-1	08/30/11	3360.67	61.65	ND	51.84	ND	NA	NA	NA	3308.83	
RW-1	09/07/11	3360.67	61.65	50.66	50.70	0.04		0.10	4.90	3310.00	
RW-1	09/07/11	3360.67	61.65	ND	51.16	ND	NA	NA	NA	3309.51	
RW-1	09/14/11	3360.67	61.65	50.65	50.67	0.02	NA	NA	NA	3310.02	
RW-1	09/21/11	3360.67	61.65	50.62	50.71	0.09		0.10	4.90	3310.04	
RW-1	09/21/11	3360.67	61.65	ND	51.13	ND	NA	NA	NA	3309.54	
RW-1	09/28/11	3360.67	61.65	50.65	50.70	0.05	Hand Bailed	0.10	4.90	3310.01	
RW-1	09/28/11	3360.67	61.65	ND	51.50	ND	NA	NA	NA	3309.17	
RW-1	10/05/11	3360.67	61.65	50.64	50.68	0.04	Pumped	0.10	10.00	3310.02	Clear at 2 gal
RW-1	10/05/11	3360.67	61.65	ND	52.28	ND	NA	NA	NA	3308.39	
RW-1	10/12/11	3360.67	61.65	50.66	50.68	0.02		0.10	9.90	3310.01	
RW-1	10/12/11	3360.67	61.65	ND	51.95	ND	NA	NA	NA	3308.72	
RW-1	10/18/11	3360.67	61.65	50.73	50.74	0.01		0.10	9.90	3309.94	Clear at 3 gal
RW-1	10/18/11	3360.67	61.65	ND	51.96	ND	NA	NA	NA	3308.71	
RW-1	10/28/11	3360.67	61.65	50.73	50.76	0.03	NA	NA	NA	3309.94	
RW-1	11/02/11	3360.67	61.65	50.68	50.72	0.04		0.10	4.90	3309.98	Clear at 2 gal
RW-1	11/02/11	3360.67	61.65	ND	52.04	ND	NA	NA	NA	3308.63	
RW-1	11/09/11	3360.67	61.65	50.75	50.77	0.02		0.10	9.90	3309.92	
RW-1	11/09/11	3360.67	61.65	ND	51.16	ND	NA	NA	NA	3309.51	
RW-1	11/18/11	3360.67	61.65	50.63	50.64	0.01	NA	NA	NA	3310.04	
RW-1	11/23/11	3360.67	61.65	50.72	50.76	0.04	NA	NA	NA	3309.94	
RW-1	11/28/11	3360.67	61.65	50.63	50.69	0.06	NA	NA	NA	3310.03	
RW-1	12/13/11	3360.67	61.65	50.64	50.76	0.12		0.10	4.90	3310.01	
RW-1	12/13/11	3360.67	61.65	ND	52.05	ND	NA	NA	NA	3308.62	
RW-1	12/20/11	3360.67	61.65	50.69	50.74	0.05		0.10	4.90	3309.97	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	12/20/11	3360.67	61.65	ND	57.20	ND	NA	NA	NA	3303.47	
RW-1	12/27/11	3360.67	61.65	50.70	50.74	0.04		0.10	4.90	3309.96	
RW-1	12/27/11	3360.67	61.65	ND	51.65	ND	NA	NA	NA	3309.02	
RW-1	01/04/12	3360.67	61.65	50.75	50.76	0.01	NA	NA	NA	3309.92	
RW-1	01/13/12	3360.67	61.65	50.70	50.75	0.05		0.10	4.90	3309.96	
RW-1	01/13/12	3360.67	61.65	ND	51.25	ND	NA	NA	NA	3309.42	
RW-1	01/18/12	3360.67	61.65	50.68	50.72	0.04	NA	NA	NA	3309.98	
RW-1	01/27/12	3360.67	61.65	50.65	50.70	0.05		0.10	4.90	3310.01	
RW-1	01/27/12	3360.67	61.65	ND	52.44	ND	NA	NA	NA	3308.23	
RW-1	02/02/12	3360.67	61.65	50.62	50.63	0.01	NA	NA	NA	3310.05	
RW-1	02/08/12	3360.67	61.65	50.70	50.78	0.08		0.10	4.90	3309.96	
RW-1	02/08/12	3360.67	61.65	ND	51.20	ND	NA	NA	NA	3309.47	
RW-1	02/15/12	3360.67	61.65	50.63	50.69	0.06		0.10	4.90	3310.03	
RW-1	02/15/12	3360.67	61.65	ND	52.73	ND	NA	NA	NA	3307.94	
RW-1	02/22/12	3360.67	61.65	49.54	49.62	0.08	NA	NA	NA	3311.12	
RW-1	02/29/12	3360.67	61.65	50.61	50.68	0.07		0.10	4.90	3310.05	
RW-1	02/29/12	3360.67	61.65	ND	51.60	ND	NA	NA	NA	3309.07	
RW-1	03/06/12	3360.67	61.65	50.55	50.60	0.05		0.10	4.90	3310.11	
RW-1	03/06/12	3360.67	61.65	ND	52.83	ND	NA	NA	NA	3307.84	
RW-1	03/14/12	3360.67	61.65	50.60	50.66	0.06		0.10	4.90	3310.06	
RW-1	03/21/12	3360.67	61.65	51.45	51.55	0.10		0.10	4.90	3309.21	
RW-1	03/21/12	3360.67	61.65	ND	51.65	ND	NA	NA	NA	3309.02	
RW-1	03/29/12	3360.67	61.65	50.54	50.62	0.08		0.10	9.90	3310.12	
RW-1	03/29/12	3360.67	61.65	ND	51.32	ND	NA	NA	NA	3309.35	
RW-1	04/03/12	3360.67	61.65	50.56	50.70	0.14		0.10	9.90	3310.09	
RW-1	04/03/12	3360.67	61.65	ND	51.38	ND	NA	NA	NA	3309.29	
RW-1	04/11/12	3360.67	61.65	50.50	50.64	0.14		0.10	9.90	3310.15	
RW-1	04/11/12	3360.67	61.65	ND	51.28	ND	NA	NA	NA	3309.39	
RW-1	04/20/12	3360.67	61.65	50.25	50.47	0.22		0.10	9.90	3310.39	
RW-1	04/20/12	3360.67	61.65	ND	51.89	ND	NA	NA	NA	3308.78	
RW-1	04/26/12	3360.67	61.65	50.39	50.80	0.41		0.10	9.90	3310.22	
RW-1	04/26/12	3360.67	61.65	ND	51.90	ND	NA	NA	NA	3308.77	
RW-1	05/02/12	3360.67	61.65	50.54	50.67	0.13		0.10	9.90	3310.11	
RW-1	05/02/12	3360.67	61.65	ND	52.92	ND	NA	NA	NA	3307.75	
RW-1	05/09/12	3360.67	61.65	50.58	50.65	0.07		0.10	9.90	3310.08	
RW-1	05/09/12	3360.67	61.65	ND	52.50	ND	NA	NA	NA	3308.17	
RW-1	05/22/12	3360.67	61.65	50.53	50.68	0.15	NA	NA	NA	3310.12	Sampled

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	05/29/12	3360.67	61.65	50.50	50.61	0.11		0.25	9.75	3310.15	
RW-1	05/29/12	3360.67	61.65	ND	51.15	ND	NA	NA	NA	3309.52	
RW-1	06/06/12	3360.67	61.65	50.55	50.63	0.08		0.10	9.90	3310.11	
RW-1	06/06/12	3360.67	61.65	ND	52.85	ND	NA	NA	NA	3307.82	
RW-1	06/13/12	3360.67	61.65	50.48	50.65	0.17		0.10	9.90	3310.16	
RW-1	06/13/12	3360.67	61.65	ND	52.65	ND	NA	NA	NA	3308.02	
RW-1	06/19/12	3360.67	61.65	50.44	50.75	0.31		0.10	9.90	3310.18	
RW-1	06/19/12	3360.67	61.65	ND	50.95	ND	NA	NA	NA	3309.72	
RW-1	06/27/12	3360.67	61.65	50.49	50.55	0.06		0.00	5.00	3310.17	
RW-1	06/27/12	3360.67	61.65	ND	51.60	ND	NA	NA	NA	3309.07	
RW-1	07/05/12	3360.67	61.65	50.55	50.65	0.10	NA	0.10	10.00	3310.11	
RW-1	07/05/12	3360.67	61.65	ND	51.37	ND	NA	NA	NA	3309.30	
RW-1	07/11/12	3360.67	61.65	50.55	50.69	0.14	NA	0.10	10.00	3310.10	
RW-1	07/11/12	3360.67	61.65	ND	51.97	ND	NA	NA	NA	3308.70	
RW-1	07/18/12	3360.67	61.65	50.59	50.76	0.17	NA	NA	10.00	3310.05	
RW-1	07/18/12	3360.67	61.65	ND	52.06	ND	NA	NA	NA	3308.61	
RW-1	07/25/12	3360.67	61.65	50.56	50.71	0.15	NA	0.125	10.00	3310.09	
RW-1	07/25/12	3360.67	61.65	ND	52.00	ND	NA	NA	NA	3308.67	
RW-1	07/31/12	3360.67	61.65	50.59	50.70	0.11	NA	0.10	10.00	3310.06	
RW-1	07/31/12	3360.67	61.65	ND	50.12	ND	NA	NA	NA	3310.55	
RW-1	08/08/12	3360.67	61.65	50.60	50.80	0.20	NA	NA	NA	3310.04	
RW-1	08/13/12	3360.67	61.65	50.50	50.62	0.12	NA	0.10	10.00	3310.15	
RW-1	08/13/12	3360.67	61.65	ND	51.70	ND	NA	NA	NA	3308.97	
RW-1	09/05/12	3360.67	61.65	50.65	50.81	0.16	NA	0.10	10.00	3310.00	
RW-1	09/11/12	3360.67	61.65	50.56	50.74	0.18	NA	0.10	10.00	3310.08	
RW-1	09/19/12	3360.67	61.65	50.68	50.90	0.22	NA	0.10	10.00	3309.96	
RW-1	09/19/12	3360.67	61.65	ND	52.75	ND	NA	NA	NA	3307.92	
RW-1	09/25/12	3360.67	61.65	50.64	50.74	0.10	NA	0.10	10.00	3310.02	
RW-1	09/25/12	3360.67	61.65	ND	52.68	ND	NA	NA	NA	3307.99	
RW-1	10/03/12	3360.67	61.65	50.70	50.82	0.12	NA	0.10	10.00	3309.95	
RW-1	10/03/12	3360.67	61.65	ND	52.12	ND	NA	NA	NA	3308.55	
RW-1	10/24/12	3360.67	61.65	50.63	50.88	0.25	NA	0.10	10.00	3310.00	
RW-1	10/24/12	3360.67	61.65	ND	51.73	ND	NA	NA	NA	3308.94	
RW-1	10/30/12	3360.67	61.65	50.68	50.77	0.09	NA	NA	NA	3309.98	
RW-1	10/30/12	3360.67	61.65	ND	52.38	ND	NA	NA	NA	3308.29	
RW-1	11/06/12	3360.67	61.65	50.71	50.77	0.06	NA	0.10	10.00	3309.95	
RW-1	11/06/12	3360.67	61.65	ND	52.50	ND	NA	NA	NA	3308.17	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-1	11/13/12	3360.67	61.65	50.72	50.84	0.12	NA	0.10	10.00	3309.93	
RW-1	11/13/12	3360.67	61.65	ND	52.27	ND	NA	NA	NA	3308.40	
RW-1	11/26/12	3360.67	61.65	50.71	50.75	0.04	NA	NA	NA	3309.95	
RW-1	12/05/12	3360.67	61.65	50.70	50.78	0.08	NA	NA	NA	3309.96	
RW-1	12/05/12	3360.67	61.65	ND	53.85	ND	NA	NA	NA	3306.82	
RW-1	12/11/12	3360.67	61.65	50.70	50.80	0.10	NA	NA	NA	3309.96	
RW-1	01/03/13	3360.67	61.65	50.77	50.88	0.11	NA	NA	NA	3309.88	
RW-1	01/16/13	3360.67	61.65	50.73	50.96	0.23	NA	0.10	10.00	3309.91	
RW-1	01/16/13	3360.67	61.65	ND	53.70	ND	NA	NA	NA	3306.97	
RW-1	01/23/13	3360.67	61.65	50.71	50.77	0.06	NA	0.10	10.00	3309.95	
RW-1	01/23/13	3360.67	61.65	ND	51.51	ND	NA	NA	NA	3309.16	
RW-1	01/30/13	3360.67	61.65	50.76	50.87	0.11	NA	0.10	10.00	3309.89	
RW-1	01/30/13	3360.67	61.65	ND	54.60	ND	NA	NA	NA	3306.07	
RW-1	02/07/13	3360.67	61.65	50.72	50.80	0.08	NA	0.10	10.00	3309.94	
RW-1	02/07/13	3360.67	61.65	ND	52.36	ND	NA	NA	NA	3308.31	
RW-1	02/13/13	3360.67	61.65	50.74	50.83	0.09	NA	0.10	10.00	3309.92	
RW-1	02/13/13	3360.67	61.65	ND	52.05	ND	NA	NA	NA	3308.62	
RW-1	02/27/13	3360.67	61.65	50.75	50.87	0.12	NA	NA	NA	3309.90	
RW-1	03/21/13	3360.67	61.65	50.62	50.78	0.16	NA	NA	NA	3310.03	
RW-1	03/29/13	3360.67	61.65	50.66	50.80	0.14	NA	0.10	10.00	3309.99	
RW-1	03/29/13	3360.67	61.65	ND	51.65	ND	NA	NA	NA	3309.02	
RW-1	04/03/13	3360.67	61.65	50.65	50.75	0.10	NA	0.10	10.00	3310.01	
RW-1	04/03/13	3360.67	61.65	ND	51.93	ND	NA	NA	NA	3308.74	
RW-1	04/09/13	3360.67	61.65	50.66	50.98	0.32	NA	0.10	10.00	3309.96	
RW-1	04/09/13	3360.67	61.65	ND	51.82	ND	NA	NA	NA	3308.85	
RW-1	05/01/13	3360.67	61.65	50.75	50.98	0.23	NA	0.10	10.00	3309.89	
RW-1	05/01/13	3360.67	61.65	ND	52.63	ND	NA	NA	NA	3308.04	
RW-1	05/15/13	3360.67	61.65	50.70	50.78	0.08	NA	0.10	10.00	3309.96	
RW-1	05/15/13	3360.67	61.65	ND	52.18	ND	NA	NA	NA	3308.49	
RW-1	05/21/13	3360.67	61.65	50.72	50.92	0.20	NA	0.10	10.00	3309.92	
RW-1	05/21/13	3360.67	61.65	ND	52.12	ND	NA	NA	NA	3308.55	
RW-1	06/05/13	3360.67	61.65	50.69	50.99	0.30	NA	0.50	9.50	3309.94	
RW-1	06/05/13	3360.67	61.65	ND	54.18	ND	NA	NA	NA	3306.49	
RW-1	06/11/13	3360.67	61.65	50.81	50.91	0.10	NA	NA	NA	3309.85	
RW-1	06/17/13	3360.67	61.65	50.82	50.87	0.05	NA	0.10	10.00	3309.84	
RW-1	06/26/13	3360.67	61.65	50.76	50.93	0.17	NA	0.25	9.75	3309.88	
RW-1	06/26/13	3360.67	61.65	ND	52.11	ND	NA	NA	NA	3308.56	

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RW-1	07/03/13	3360.67	61.65	50.77	51.00	0.23	NA	0.25	9.75	3309.87	
RW-1	07/10/13	3360.67	61.65	50.77	51.09	0.32	NA	NA	NA	3309.85	
RW-1	07/23/13	3360.67	61.65	50.78	51.30	0.52	NA	1.00	9.00	3309.81	
RW-1	07/30/13	3360.67	61.65	50.65	50.99	0.34	NA	1.00	9.00	3309.97	
RW-1	08/07/13	3360.67	61.65	50.63	50.96	0.33	NA	0.50	9.50	3309.99	
RW-1	08/14/13	3360.67	61.65	50.85	51.15	0.30	NA	NA	NA	3309.78	
RW-1	08/21/13	3360.67	61.65	50.82	51.11	0.29	NA	0.50	9.50	3309.81	
RW-1	08/28/13	3360.67	61.65	50.83	51.43	0.60	NA	0.50	9.50	3309.75	
RW-1	09/06/13	3360.67	61.65	50.90	51.02	0.12	NA	0.25	9.75	3309.75	
RW-1	09/10/13	3360.67	61.65	50.92	51.12	0.20	NA	NA	NA	3309.72	
RW-1	09/21/13	3360.67	61.65	50.92	51.18	0.26	NA	NA	NA	3309.71	
RW-1	09/28/13	3360.67	61.65	50.97	51.31	0.34	NA	0.50	4.50	3309.65	
RW-1	10/02/13	3360.67	61.65	50.88	51.15	0.27	NA	0.50	9.50	3309.75	
RW-1	10/11/13	3360.67	61.65	50.88	51.53	0.65	NA	0.50	9.50	3309.69	
RW-1	10/16/13	3360.67	61.65	50.85	50.95	0.10	NA	0.25	9.00	3309.81	
RW-1	10/30/13	3360.67	61.65	50.86	51.38	0.52	NA	0.50	9.50	3309.73	
RW-1	11/06/13	3360.67	61.65	49.96	50.18	0.22	NA	NA	NA	3310.68	
RW-1	11/20/13	3362.10	61.65	49.77	49.91	0.14	NA	0.50	4.50	3312.31	
RW-1	11/27/13	3362.10	61.65	49.83	50.15	0.32	NA	0.50	4.50	3312.22	
RW-1	12/17/13	3362.10	61.65	49.74	50.49	0.75	NA	0.50	9.50	3312.25	
RW-2	03/28/06	3362.00	NG	49.67	49.68	0.01	NA	NA	NA	3312.33	
RW-2	03/29/06	3362.00	NG	ND	49.65	ND	NA	NA	NA	3312.35	
RW-2	04/13/06	3362.00	NG	49.58	50.08	0.50	Hand Bailed	0.50	0.00	3312.35	
RW-2	04/13/06	3362.00	NG	49.58	50.08	0.50	NA	NA	NA	3312.35	
RW-2	04/25/06	3362.00	NG	49.65	49.99	0.34	Hand Bailed	0.60	0.00	3312.30	
RW-2	04/25/06	3362.00	NG	50.00	50.01	0.01	NA	NA	NA	3312.00	
RW-2	05/03/06	3362.00	NG	49.55	49.91	0.36	Hand Bailed	0.50	0.00	3312.40	
RW-2	05/03/06	3362.00	NG	49.56	49.68	0.12	NA	NA	NA	3312.42	
RW-2	05/11/06	3362.00	NG	49.65	49.81	0.16	Hand Bailed	0.25	0.00	3312.33	
RW-2	05/11/06	3362.00	NG	ND	50.32	ND	NA	NA	NA	3311.68	
RW-2	05/24/06	3362.00	NG	49.62	50.08	0.46	Hand Bailed	0.50	0.00	3312.31	
RW-2	05/24/06	3362.00	NG	51.22	51.23	0.01	NA	NA	NA	3310.78	
RW-2	06/07/06	3362.00	NG	49.68	49.95	0.27	Hand Bailed	0.30	0.00	3312.28	
RW-2	06/07/06	3362.00	NG	49.75	49.77	0.02	NA	NA	NA	3312.25	
RW-2	06/15/06	3362.00	NG	49.58	49.80	0.22	NA	NA	NA	3312.39	
RW-2	06/29/06	3362.00	NG	49.51	50.30	0.79	Hand Bailed	0.85	0.00	3312.37	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Vacuum to Jal Mainline #5
SRS #2003-00134
Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	06/29/06	3362.00	NG	ND	49.73	ND	NA	NA	NA	3312.27	
RW-2	07/11/06	3362.00	NG	49.58	49.80	0.22	NA	NA	NA	3312.39	
RW-2	07/25/06	3362.00	NG	49.88	49.97	0.09	NA	NA	NA	3312.11	
RW-2	08/09/06	3362.00	63.95	49.65	50.10	0.45	Hand Bailed	0.00	10.00	3312.28	
RW-2	08/22/06	3362.00	NG	49.57	50.34	0.77	Hand Bailed	0.75	9.25	3312.31	
RW-2	08/22/06	3362.00	NG	49.93	49.97	0.04	NA	NA	NA	3312.06	
RW-2	09/12/06	3362.00	63.86	50.30	50.70	0.40	NA	NA	NA	3311.64	
RW-2	09/19/06	3362.00	NG	49.54	50.01	0.47	Hand Bailed	0.50	9.50	3312.39	
RW-2	09/19/06	3362.00	NG	49.93	50.00	0.07	NA	NA	NA	3312.06	
RW-2	10/03/06	3362.00	NG	49.50	49.99	0.49	Hand Bailed	0.50	9.50	3312.43	
RW-2	10/03/06	3362.00	NG	50.02	50.03	0.01	NA	NA	NA	3311.98	Installed Sock
RW-2	10/17/06	3362.00	NG	49.50	50.10	0.60	Hand Bailed	0.75	4.25	3312.41	
RW-2	10/17/06	3362.00	NG	50.18	50.19	0.01	NA	NA	NA	3311.82	Removed sock
RW-2	10/31/06	3362.00	NG	49.50	50.75	1.25	Hand Bailed	1.50	3.50	3312.31	
RW-2	10/31/06	3362.00	NG	50.78	50.84	0.06	NA	NA	NA	3311.21	Installed Sock
RW-2	11/15/06	3362.00	NG	49.44	50.30	0.86	Hand Bailed	0.50	9.50	3312.43	
RW-2	11/15/06	3362.00	NG	49.80	49.90	0.10	NA	NA	NA	3312.19	
RW-2	12/06/06	3362.00	49.39	50.23	51.10	0.87	NA	NA	NA	3311.64	Removed sock
RW-2	12/13/06	3362.00	NG	49.28	50.27	0.99	Hand Bailed	1.25	3.75	3312.57	
RW-2	12/13/06	3362.00	NG	51.10	51.13	0.03	NA	NA	NA	3310.90	No Sock
RW-2	12/20/06	3362.00	NG	49.21	50.76	1.55	Hand Bailed	0.75	9.25	3312.56	
RW-2	12/27/06	3362.00	NG	49.27	50.20	0.93	Hand Bailed	1.00	4.00	3312.59	
RW-2	12/27/06	3362.00	NG	ND	50.18	ND	NA	NA	NA	3311.82	No Sock
RW-2	01/03/07	3362.00	NG	49.29	50.29	1.00	Hand Bailed	0.75	9.25	3312.56	
RW-2	01/03/07	3362.00	NG	ND	50.21	ND	NA	NA	NA	3311.79	No Sock
RW-2	01/09/07	3362.00	NG	49.45	50.23	0.78	Hand Bailed	0.75	4.00	3312.43	
RW-2	01/09/07	3362.00	NG	ND	50.24	ND	NA	NA	NA	3311.76	No Sock
RW-2	01/18/07	3362.00	NG	49.36	50.00	0.64	Hand Bailed	1.50	8.50	3312.54	
RW-2	01/18/07	3362.00	NG	49.95	49.97	0.02	NA	NA	NA	3312.05	No Sock
RW-2	01/22/07	3362.00	NG	49.27	50.07	0.80	Hand Bailed	0.25	9.75	3312.61	
RW-2	01/22/07	3362.00	NG	49.60	49.63	0.03	NA	NA	NA	3312.40	No Sock
RW-2	02/01/07	3362.00	NG	49.28	49.86	0.58	Hand Bailed	0.75	9.25	3312.63	
RW-2	02/01/07	3362.00	NG	49.83	49.85	0.02	NA	NA	NA	3312.17	No Sock
RW-2	02/07/07	3362.00	NG	49.22	49.94	0.72	Hand Bailed	0.75	9.00	3312.67	
RW-2	02/07/07	3362.00	NG	49.83	49.85	0.02	NA	NA	NA	3312.17	No Sock
RW-2	02/14/07	3362.00	NG	49.21	49.96	0.75	Hand Bailed	0.50	9.00	3312.68	
RW-2	02/14/07	3362.00	NG	49.92	49.94	0.02	NA	NA	NA	3312.08	No Sock

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	02/21/07	3362.00	NG	49.18	49.93	0.75	Hand Bailed	0.75	9.00	3312.71	
RW-2	02/28/07	3362.00	NG	ND	49.99	ND	NA	NA	NA	3312.01	No Sock
RW-2	03/07/07	3362.00	NG	49.22	50.38	1.16	Hand Bailed	1.50	6.00	3312.61	
RW-2	03/07/07	3362.00	NG	49.55	49.62	0.07	NA	NA	NA	3312.44	No Sock
RW-2	03/14/07	3362.00	NG	49.22	49.81	0.59	Hand Bailed	0.75	9.00	3312.69	
RW-2	03/14/07	3362.00	NG	49.70	49.73	0.03	NA	NA	NA	3312.30	No Sock
RW-2	03/21/07	3362.00	NG	49.26	49.76	0.50	Hand Bailed	0.50	1.00	3312.67	
RW-2	03/21/07	3362.00	NG	49.67	49.69	0.02	NA	NA	NA	3312.33	No Sock
RW-2	03/28/07	3362.00	NG	49.12	49.96	0.84	Hand Bailed	0.75	0.75	3312.75	
RW-2	03/28/07	3362.00	NG	49.60	49.69	0.09	NA	NA	NA	3312.39	No Sock
RW-2	04/03/07	3362.00	NG	49.22	49.80	0.58	Hand Bailed	0.50	0.50	3312.69	
RW-2	04/03/07	3362.00	NG	49.42	49.46	0.04	NA	NA	NA	3312.57	No Sock
RW-2	04/10/07	3362.00	NG	49.20	49.91	0.71	Hand Bailed	0.50	0.50	3312.69	
RW-2	04/10/07	3362.00	NG	49.37	49.40	0.03	NA	NA	NA	3312.63	No Sock
RW-2	04/18/07	3362.00	NG	49.20	50.03	0.83	Hand Bailed	1.50	8.00	3312.68	
RW-2	04/18/07	3362.00	NG	49.37	49.40	0.03	NA	NA	NA	3312.63	No Sock
RW-2	04/24/07	3362.00	NG	49.02	50.20	1.18	Hand Bailed	1.50	8.00	3312.80	
RW-2	04/24/07	3362.00	NG	49.42	49.51	0.09	NA	NA	NA	3312.57	No Sock
RW-2	05/03/07	3362.00	NG	49.12	49.88	0.76	Hand Bailed	1.00	9.00	3312.77	
RW-2	05/03/07	3362.00	NG	49.50	49.52	0.02	NA	NA	NA	3312.50	No Sock
RW-2	05/11/07	3362.00	NG	49.21	49.68	0.47	Hand Bailed	0.50	9.00	3312.72	
RW-2	05/11/07	3362.00	NG	48.53	48.58	0.05	NA	NA	NA	3313.46	No Sock
RW-2	05/16/07	3362.00	NG	49.24	49.58	0.34	Hand Bailed	0.25	9.50	3312.71	
RW-2	05/16/07	3362.00	NG	ND	49.65	ND	NA	NA	NA	3312.35	No Sock
RW-2	05/23/07	3362.00	NG	49.14	49.56	0.42	Hand Bailed	1.00	9.00	3312.80	
RW-2	05/23/07	3362.00	NG	49.28	49.31	0.03	NA	NA	NA	3312.72	No Sock
RW-2	05/31/07	3362.00	NG	49.10	49.61	0.51		0.50	2.00	3312.82	No Sock
RW-2	06/06/07	3362.00	63.90	49.13	49.49	0.36	Hand Bailed	0.50	9.00	3312.82	
RW-2	06/06/07	3362.00	63.90	ND	49.34	ND	NA	NA	NA	3312.66	No Sock
RW-2	06/13/07	3362.00	63.90	49.15	49.48	0.33	Hand Bailed	0.50	9.00	3312.80	
RW-2	06/13/07	3362.00	63.90	ND	49.52	ND	NA	NA	NA	3312.48	No Sock
RW-2	06/19/07	3362.00	63.90	49.15	49.66	0.51	Hand Bailed	0.50	9.00	3312.77	
RW-2	06/19/07	3362.00	63.90	49.38	49.39	0.01	NA	NA	NA	3312.62	No Sock
RW-2	06/27/07	3362.00	63.90	49.31	49.63	0.32	Hand Bailed	0.50	9.00	3312.64	
RW-2	06/27/07	3362.00	63.90	ND	49.67	ND	NA	NA	NA	3312.33	No Sock
RW-2	07/05/07	3362.00	62.75	49.05	49.70	0.65	Hand Bailed	0.00	10.00	3312.85	
RW-2	07/05/07	3362.00	62.75	ND	49.47	ND	NA	NA	NA	3312.53	No Sock

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	07/11/07	3362.00	62.75	49.49	49.76	0.27	Hand Bailed	0.50	9.00	3312.47	
RW-2	07/11/07	3362.00	62.75	ND	49.52	ND	NA	NA	NA	3312.48	No Sock
RW-2	07/19/07	3362.00	62.75	49.05	49.64	0.59	Hand Bailed	0.50	9.00	3312.86	
RW-2	07/19/07	3362.00	62.75	49.26	49.30	0.04	NA	NA	NA	3312.73	No Sock
RW-2	07/24/07	3362.00	62.75	49.00	49.70	0.70	Hand Bailed	0.75	9.00	3312.90	
RW-2	07/24/07	3362.00	62.75	49.52	49.58	0.06	NA	NA	NA	3312.47	No Sock
RW-2	07/31/07	3362.00	62.75	49.00	49.70	0.70	Hand Bailed	0.50	9.00	3312.90	
RW-2	07/31/07	3362.00	62.75	49.10	49.14	0.04	NA	NA	NA	3312.89	No Sock
RW-2	08/09/07	3362.00	62.75	49.21	49.86	0.65	Hand Bailed	0.75	9.00	3312.69	
RW-2	08/09/07	3362.00	62.75	ND	49.71	ND	NA	NA	NA	3312.29	No Sock
RW-2	08/15/07	3362.00	62.75	49.21	49.86	0.65	Hand Bailed	0.50	9.00	3312.69	
RW-2	08/15/07	3362.00	62.75	ND	49.73	ND	NA	NA	NA	3312.27	No Sock
RW-2	08/22/07	3362.00	62.75	49.12	49.99	0.87	Hand Bailed	0.75	9.00	3312.75	
RW-2	08/22/07	3362.00	62.75	ND	49.88	ND	NA	NA	NA	3312.12	No Sock
RW-2	08/28/07	3362.00	62.75	49.34	50.13	0.79	Hand Bailed	0.75	9.00	3312.54	
RW-2	08/28/07	3362.00	62.75	50.00	50.02	0.02	NA	NA	NA	3312.00	No Sock
RW-2	09/06/07	3362.00	62.75	49.36	49.88	0.52	Hand Bailed	0.50	9.00	3312.56	
RW-2	09/06/07	3362.00	62.75	ND	49.84	ND	NA	NA	NA	3312.16	No Sock
RW-2	09/13/07	3362.00	62.75	49.32	49.89	0.57	Hand Bailed	0.75	9.00	3312.59	
RW-2	09/13/07	3362.00	62.75	49.90	49.92	0.02	NA	NA	NA	3312.10	No Sock
RW-2	09/18/07	3362.00	62.75	49.24	49.81	0.57	Hand Bailed	0.50	9.00	3312.67	
RW-2	09/18/07	3362.00	62.75	49.86	49.87	0.01	NA	NA	NA	3312.14	No Sock
RW-2	09/26/07	3362.00	62.75	49.29	49.86	0.57	Hand Bailed	0.50	9.00	3312.62	
RW-2	09/26/07	3362.00	62.75	ND	49.94	ND	NA	NA	NA	3312.06	No Sock
RW-2	10/04/07	3362.00	62.75	49.36	49.90	0.54	Hand Bailed	0.50	9.00	3312.56	
RW-2	10/04/07	3362.00	62.75	50.06	50.11	0.05	NA	NA	NA	3311.93	No Sock
RW-2	10/10/07	3362.00	62.75	49.10	49.40	0.30	Hand Bailed	0.50	9.00	3312.86	
RW-2	10/10/07	3362.00	62.75	49.84	49.86	0.02	NA	NA	NA	3312.16	No Sock
RW-2	10/17/07	3362.00	62.75	49.12	49.43	0.31	Hand Bailed	0.50	9.00	3312.83	
RW-2	10/17/07	3362.00	62.75	49.80	49.82	0.02	NA	NA	NA	3312.20	No Sock
RW-2	10/24/07	3362.00	62.75	49.13	49.93	0.80	Hand Bailed	0.50	50.00	3312.75	
RW-2	10/24/07	3362.00	62.75	49.28	49.29	0.01	NA	NA	NA	3312.72	No Sock
RW-2	10/31/07	3362.00	62.75	49.15	49.58	0.43	Hand Bailed	0.50	50.00	3312.79	
RW-2	10/31/07	3362.00	62.75	49.21	49.22	0.01	NA	NA	NA	3312.79	No Sock
RW-2	11/07/07	3362.00	62.75	49.20	49.66	0.46	Hand Bailed	0.50	9.00	3312.73	
RW-2	11/07/07	3362.00	62.75	49.26	49.28	0.02	NA	NA	NA	3312.74	No Sock
RW-2	11/13/07	3362.00	62.75	ND	49.88	ND	NA	NA	NA	3312.12	No Sock

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	11/20/07	3362.00	62.75	49.02	49.91	0.89		1.00	8.00	3312.85	No Sock
RW-2	11/27/07	3362.00	62.75	49.00	49.94	0.94	NA	NA	NA	3312.86	No Sock
RW-2	12/05/07	3362.00	62.75	48.86	49.60	0.74	Hand Bailed	1.00	8.00	3313.03	
RW-2	12/05/07	3362.00	62.75	ND	49.36	ND	NA	NA	NA	3312.64	No Sock
RW-2	12/12/07	3362.00	62.75	48.93	49.58	0.65	Hand Bailed	1.00	8.00	3312.97	
RW-2	12/12/07	3362.00	62.75	ND	49.48	ND	NA	NA	NA	3312.52	No Sock
RW-2	12/18/07	3362.00	62.75	49.15	49.90	0.75	Hand Bailed	1.00	9.00	3312.74	
RW-2	12/18/07	3362.00	62.75	ND	50.23	ND	NA	NA	NA	3311.77	No Sock
RW-2	12/27/07	3362.00	62.75	49.11	49.87	0.76	Hand Bailed	1.00	8.00	3312.78	
RW-2	12/27/07	3362.00	62.75	ND	50.18	ND	NA	NA	NA	3311.82	No Sock
RW-2	01/03/08	3362.00	62.75	49.06	49.92	0.86	Hand Bailed	1.00	4.00	3312.81	
RW-2	01/03/08	3362.00	62.75	50.02	50.08	0.06	NA	NA	NA	3311.97	No Sock
RW-2	01/09/08	3362.00	62.75	49.11	49.91	0.80	Hand Bailed	1.50	8.50	3312.77	
RW-2	01/09/08	3362.00	62.75	49.90	49.93	0.03	NA	NA	NA	3312.10	No Sock
RW-2	01/17/08	3362.00	62.75	48.55	49.75	1.20	Hand Bailed	1.00	9.00	3313.27	
RW-2	01/17/08	3362.00	62.75	ND	50.50	ND	NA	NA	NA	3311.50	No Sock
RW-2	01/23/08	3362.00	62.75	49.12	49.55	0.43	Hand Bailed	1.00	9.00	3312.82	
RW-2	01/30/08	3362.00	62.75	49.02	49.65	0.63	Hand Bailed	1.00	19.00	3312.89	
RW-2	01/30/08	3362.00	62.75	ND	50.60	ND	NA	NA	NA	3311.40	No Sock
RW-2	02/06/08	3362.00	62.75	48.08	48.50	0.42	Hand Bailed	1.00	19.00	3313.86	
RW-2	02/06/08	3362.00	62.75	ND	50.02	ND	NA	NA	NA	3311.98	No Sock
RW-2	02/13/08	3362.00	62.75	ND	49.03	ND	Hand Bailed	1.00	19.00	3312.97	
RW-2	02/13/08	3362.00	62.75	50.00	50.01	0.01	NA	NA	NA	3312.00	No Sock
RW-2	02/18/08	3362.00	62.75	49.11	49.39	0.28	Hand Bailed	1.00	19.00	3312.85	
RW-2	02/18/08	3362.00	62.75	ND	48.95	ND	NA	NA	NA	3313.05	No Sock
RW-2	02/27/08	3362.00	62.75	49.14	49.38	0.24	Hand Bailed	1.00	19.00	3312.82	
RW-2	02/27/08	3362.00	62.75	ND	50.07	ND	NA	NA	NA	3311.93	No Sock
RW-2	03/04/08	3362.00	62.75	49.10	49.38	0.28	Hand Bailed	0.25	20.00	3312.86	
RW-2	03/04/08	3362.00	62.75	ND	50.42	ND	NA	NA	NA	3311.58	No Sock
RW-2	03/12/08	3362.00	62.75	49.05	49.44	0.39	Hand Bailed	1.00	19.00	3312.89	
RW-2	03/12/08	3362.00	62.75	ND	50.30	ND	NA	NA	NA	3311.70	No Sock
RW-2	03/19/08	3362.00	62.75	49.11	49.41	0.30	Hand Bailed	0.50	19.00	3312.85	
RW-2	03/19/08	3362.00	62.75	ND	50.49	ND	NA	NA	NA	3311.51	No Sock
RW-2	03/26/08	3362.00	62.75	49.06	49.66	0.60	Hand Bailed	0.50	19.00	3312.85	
RW-2	03/26/08	3362.00	62.75	ND	50.15	ND	NA	NA	NA	3311.85	No Sock
RW-2	04/02/08	3362.00	62.75	49.08	49.45	0.37	Pumped	0.50	19.00	3312.86	
RW-2	04/02/08	3362.00	62.75	ND	50.08	ND	NA	NA	NA	3311.92	No Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	04/09/08	3362.00	62.75	49.04	49.33	0.29	Pumped	0.50	19.00	3312.92	
RW-2	04/09/08	3362.00	62.75	ND	50.00	ND	NA	NA	NA	3312.00	No Sock
RW-2	04/16/08	3362.00	62.75	49.09	49.39	0.30	Pumped	0.50	19.00	3312.87	
RW-2	04/16/08	3362.00	62.75	ND	50.16	ND	NA	NA	NA	3311.84	No Sock
RW-2	04/24/08	3362.00	62.75	49.06	49.65	0.59	NA	NA	NA	3312.85	No Sock
RW-2	04/30/08	3362.00	62.75	49.01	49.77	0.76	Pumped	0.50	19.00	3312.88	
RW-2	04/30/08	3362.00	62.75	ND	50.00	ND	NA	NA	NA	3312.00	No Sock
RW-2	05/07/08	3362.00	62.75	48.98	49.80	0.82	Pumped	0.50	19.00	3312.90	
RW-2	05/07/08	3362.00	62.75	ND	50.28	ND	NA	NA	NA	3311.72	No Sock
RW-2	05/14/08	3362.00	62.75	48.91	49.85	0.94	Pumped	0.75	19.00	3312.95	
RW-2	05/14/08	3362.00	62.75	ND	50.36	ND	NA	NA	NA	3311.64	No Sock
RW-2	05/22/08	3362.00	62.75	48.98	49.82	0.84	Pumped	0.75	19.00	3312.89	
RW-2	05/22/08	3362.00	62.75	ND	50.43	ND	NA	NA	NA	3311.57	No Sock
RW-2	05/28/08	3362.00	62.75	49.05	49.99	0.94	Pumped	1.00	26.00	3312.81	
RW-2	05/28/08	3362.00	62.75	ND	50.21	ND	NA	NA	NA	3311.79	No Sock
RW-2	06/04/08	3362.00	62.75	49.10	49.86	0.76	Pumped	1.00	19.00	3312.79	
RW-2	06/04/08	3362.00	62.75	ND	50.96	ND	NA	NA	NA	3311.04	No Sock
RW-2	06/11/08	3362.00	62.75	49.09	49.90	0.81	Pumped	1.00	19.00	3312.79	
RW-2	06/11/08	3362.00	62.75	ND	51.21	ND	NA	NA	NA	3310.79	No Sock
RW-2	06/18/08	3362.00	62.75	49.10	50.01	0.91	Pumped	1.00	19.00	3312.76	
RW-2	06/18/08	3362.00	62.75	ND	50.86	ND	NA	NA	NA	3311.14	No Sock
RW-2	06/26/08	3362.00	62.75	49.14	50.08	0.94	Pumped	1.00	19.00	3312.72	
RW-2	06/26/08	3362.00	62.75	ND	59.12	ND	NA	NA	NA	3302.88	No Sock
RW-2	07/02/08	3362.00	62.75	49.20	50.04	0.84	Pumped	1.00	19.00	3312.67	
RW-2	07/02/08	3362.00	62.75	ND	51.20	ND	NA	NA	NA	3310.80	No Sock
RW-2	07/07/08	3362.00	62.75	49.20	50.13	0.93	Pumped	1.00	19.00	3312.66	
RW-2	07/07/08	3362.00	62.75	ND	50.26	ND	NA	NA	NA	3311.74	No Sock
RW-2	07/16/08	3362.00	62.75	49.21	50.18	0.97	Pumped	1.00	19.00	3312.64	
RW-2	07/16/08	3362.00	62.75	ND	50.48	ND	NA	NA	NA	3311.52	No Sock
RW-2	07/22/08	3362.00	62.75	49.26	50.24	0.98	Pumped	1.00	19.00	3312.59	
RW-2	07/22/08	3362.00	62.75	ND	50.56	ND	NA	NA	NA	3311.44	No Sock
RW-2	07/29/08	3362.00	62.75	49.30	50.29	0.99	Pumped	1.00	19.00	3312.55	
RW-2	07/29/08	3362.00	62.75	ND	51.12	ND	NA	NA	NA	3310.88	No Sock
RW-2	08/06/08	3362.00	62.75	49.23	50.25	1.02	Pumped	1.00	19.00	3312.62	
RW-2	08/06/08	3362.00	62.75	ND	50.89	ND	NA	NA	NA	3311.11	No Sock
RW-2	08/13/08	3362.00	62.75	49.28	50.33	1.05	Pumped	1.00	4.00	3312.56	
RW-2	08/13/08	3362.00	62.75	ND	51.06	ND	NA	NA	NA	3310.94	No Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	08/18/08	3362.00	62.75	NG	NG	NG	NA	NA	NA	NG	No Sock
RW-2	08/27/08	3362.00	62.75	49.33	50.39	1.06	NA	NA	NA	3312.51	No Sock
RW-2	09/02/08	3362.00	62.75	49.28	50.43	1.15	NA	NA	NA	3312.55	No Sock
RW-2	09/09/08	3362.00	62.75	49.28	50.44	1.16	NA	NA	NA	3312.55	No Sock
RW-2	09/16/08	3362.00	62.75	49.18	50.87	1.69	Pumped	2.00	9.00	3312.57	
RW-2	09/16/08	3362.00	62.75	ND	49.62	ND	NA	NA	NA	3312.38	
RW-2	09/24/08	3362.00	62.75	49.19	50.85	1.66	Pumped	1.00	9.00	3312.56	
RW-2	09/24/08	3362.00	62.75	ND	50.75	ND	NA	NA	NA	3311.25	
RW-2	10/01/08	3362.00	62.75	49.15	50.62	1.47	Pumped	2.00	10.00	3312.63	
RW-2	10/01/08	3362.00	62.75	ND	49.95	ND	NA	NA	NA	3312.05	
RW-2	10/08/08	3362.00	62.75	ND	49.40	ND	Pumped	2.00	18.00	3312.60	
RW-2	10/08/08	3362.00	62.75	49.20	50.52	1.32	NA	NA	NA	3312.60	
RW-2	10/15/08	3362.00	62.75	49.28	50.27	0.99	Pumped	4.00	36.00	3312.57	
RW-2	10/22/08	3362.00	62.75	49.38	50.18	0.80	Pumped	3.00	17.00	3312.50	
RW-2	10/22/08	3362.00	62.75	ND	50.04	ND	NA	NA	NA	3311.96	
RW-2	10/29/08	3362.00	62.75	49.29	50.19	0.90	Pumped	3.00	27.00	3312.58	
RW-2	10/29/08	3362.00	62.75	ND	49.70	ND	NA	NA	NA	3312.30	
RW-2	11/05/08	3362.00	62.75	49.32	50.21	0.89	Pumped	1.00	19.00	3312.55	
RW-2	11/05/08	3362.00	62.75	ND	49.61	ND	NA	NA	NA	3312.39	
RW-2	11/12/08	3362.00	62.75	49.21	50.11	0.90	Pumped	1.00	19.00	3312.66	
RW-2	11/12/08	3362.00	62.75	48.38	48.39	0.01	NA	NA	NA	3313.62	
RW-2	11/19/08	3362.00	62.75	49.29	49.92	0.63	Pumped	2.00	38.00	3312.62	
RW-2	11/19/08	3362.00	62.75	ND	50.10	ND	NA	NA	NA	3311.90	
RW-2	11/26/08	3362.00	62.75	49.33	49.76	0.43	Pumped	0.50	19.50	3312.61	
RW-2	11/26/08	3362.00	62.75	49.41	49.46	0.05	NA	NA	NA	3312.58	
RW-2	12/03/08	3362.00	62.75	49.34	49.81	0.47	Pumped	0.50	9.50	3312.59	
RW-2	12/03/08	3362.00	62.75	ND	49.44	ND	NA	NA	NA	3312.56	New sock
RW-2	12/10/08	3362.00	62.75	49.47	49.51	0.04	Pumped	0.50	9.50	3312.52	
RW-2	12/10/08	3362.00	62.75	ND	49.51	ND	NA	NA	NA	3312.49	
RW-2	12/17/08	3362.00	62.75	49.43	49.52	0.09		0.25	9.75	3312.56	Flipped Sock
RW-2	12/17/08	3362.00	62.75	ND	49.49	ND	NA	NA	NA	3312.51	
RW-2	12/21/08	3362.00	62.75	49.39	49.91	0.52		0.50	14.50	3312.53	No Sock
RW-2	12/21/08	3362.00	62.75	ND	50.18	ND	NA	NA	NA	3311.82	
RW-2	12/31/08	3362.00	62.75	49.41	49.90	0.49		0.25	9.75	3312.52	
RW-2	12/31/08	3362.00	62.75	49.43	49.51	0.08	NA	NA	NA	3312.56	
RW-2	01/07/09	3362.00	63.07	49.35	49.80	0.45	Hand Bailed	1.00	9.00	3312.58	
RW-2	01/07/09	3362.00	63.07	49.41	49.42	0.01	NA	NA	NA	3312.59	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	01/15/09	3362.00	63.07	49.39	49.90	0.51	Pumped	0.50	9.50	3312.53	
RW-2	01/15/09	3362.00	63.07	ND	49.54	ND	NA	NA	NA	3312.46	
RW-2	01/22/09	3362.00	63.07	49.34	49.73	0.39	Hand Bailed	0.50	9.50	3312.60	No Sock
RW-2	01/28/09	3362.00	63.07	49.34	49.75	0.41	Hand Bailed	0.25	9.75	3312.60	No Sock
RW-2	01/28/09	3362.00	63.07	49.41	49.45	0.04	NA	NA	NA	3312.58	
RW-2	02/04/09	3362.00	61.10	49.40	49.87	0.47	Pumped	0.50	16.50	3312.53	
RW-2	02/04/09	3362.00	61.10	ND	49.56	ND	NA	NA	NA	3312.44	
RW-2	02/11/09	3362.00	61.10	49.41	49.77	0.36	Pumped	0.50	24.50	3312.54	
RW-2	02/11/09	3362.00	61.10	ND	49.49	ND	NA	NA	NA	3312.51	
RW-2	02/17/09	3362.00	61.10	49.36	49.67	0.31	Pumped	1.00	39.00	3312.59	
RW-2	02/17/09	3362.00	61.10	ND	49.40	ND	NA	NA	NA	3312.60	
RW-2	02/25/09	3362.00	61.10	49.37	49.76	0.39	Pumped	0.25	19.75	3312.57	
RW-2	02/25/09	3362.00	61.10	ND	49.56	ND	NA	NA	NA	3312.44	
RW-2	03/04/09	3362.00	61.10	49.31	49.70	0.39	Pumped	0.50	19.50	3312.63	
RW-2	03/04/09	3362.00	61.10	ND	49.32	ND	NA	NA	NA	3312.68	
RW-2	03/11/09	3362.00	61.10	49.46	49.79	0.33	Pumped	0.50	19.50	3312.49	
RW-2	03/11/09	3362.00	61.10	ND	49.48	ND	NA	NA	NA	3312.52	
RW-2	03/18/09	3362.00	61.10	49.35	49.67	0.32	Pumped	0.25	14.75	3312.60	
RW-2	03/18/09	3362.00	61.10	ND	49.41	ND	NA	NA	NA	3312.59	
RW-2	03/25/09	3362.00	61.10	49.31	49.65	0.34	Pumped	0.10	19.90	3312.64	
RW-2	03/25/09	3362.00	61.10	ND	49.69	ND	NA	NA	NA	3312.31	
RW-2	04/01/09	3362.00	61.10	49.32	49.74	0.42	NA	NA	NA	3312.62	
RW-2	04/08/09	3362.00	61.10	49.33	49.98	0.65	Pumped	0.50	19.50	3312.57	
RW-2	04/08/09	3362.00	61.10	ND	49.49	ND	NA	NA	NA	3312.51	
RW-2	04/15/09	3362.00	61.10	49.35	49.75	0.40	Pumped	0.25	14.75	3312.59	
RW-2	04/15/09	3362.00	61.10	ND	50.24	ND	NA	NA	NA	3311.76	
RW-2	04/22/09	3362.00	61.10	49.30	49.95	0.65	NA	NA	NA	3312.60	
RW-2	04/29/09	3362.00	61.10	49.40	49.72	0.32	Pumped	0.50	19.50	3312.55	
RW-2	04/29/09	3362.00	61.10	ND	49.69	ND	NA	NA	NA	3312.31	
RW-2	05/06/09	3362.00	61.10	49.44	49.74	0.30	Pumped	1.50	18.50	3312.52	
RW-2	05/06/09	3362.00	61.10	ND	49.50	ND	NA	NA	NA	3312.50	
RW-2	05/14/09	3362.00	61.10	49.41	49.75	0.34	NA	NA	NA	3312.54	
RW-2	05/14/09	3362.00	61.10	ND	49.99	ND	Pumped	0.50	19.50	3312.01	
RW-2	05/19/09	3362.00	61.10	49.48	49.70	0.22	Pumped	0.50	30.00	3312.49	
RW-2	05/27/09	3362.00	61.10	49.43	49.72	0.29	NA	NA	NA	3312.53	
RW-2	05/27/09	3362.00	61.10	ND	50.01	ND	Pumped	0.50	19.50	3311.99	
RW-2	06/03/09	3362.00	61.10	49.49	49.86	0.37	NA	NA	NA	3312.45	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	06/03/09	3362.00	61.10	ND	49.64	ND	Pumped	0.50	19.50	3312.36	
RW-2	06/11/09	3362.00	61.10	49.50	49.82	0.32	NA	NA	NA	3312.45	
RW-2	06/11/09	3362.00	61.10	ND	49.71	ND	Pumped	0.50	19.50	3312.29	
RW-2	06/17/09	3362.00	61.10	49.45	49.83	0.38	NA	NA	NA	3312.49	
RW-2	06/17/09	3362.00	61.10	ND	50.60	ND	Pumped	1.00	19.00	3311.40	
RW-2	06/23/09	3362.00	61.10	50.32	49.53	49.73	NA	NA	NA	3354.74	
RW-2	06/23/09	3362.00	61.10	ND	50.32	ND	Pumped	0.25	9.75	3311.68	
RW-2	07/01/09	3362.00	61.10	49.48	49.70	0.22	NA	NA	NA	3312.49	
RW-2	07/01/09	3362.00	61.10	ND	50.41	ND	Pumped	0.25	14.75	3311.59	
RW-2	07/07/09	3362.00	61.10	49.50	49.67	0.17	Pumped	0.25	14.75	3312.47	
RW-2	07/07/09	3362.00	61.10	ND	50.78	ND	NA	NA	NA	3311.22	
RW-2	07/15/09	3362.00	61.10	49.53	49.83	0.30	Pumped	1.00	NA	3312.43	
RW-2	07/15/09	3362.00	61.10	ND	50.52	ND	NA	NA	NA	3311.48	
RW-2	07/29/09	3362.00	61.10	49.50	49.85	0.35	Pumped	1.00	14.75	3312.45	
RW-2	07/29/09	3362.00	61.10	ND	49.62	ND	NA	NA	NA	3312.38	
RW-2	08/05/09	3362.00	61.10	49.57	49.77	0.20	Pumped	0.25	14.75	3312.40	
RW-2	08/05/09	3362.00	61.10	ND	51.25	ND	NA	NA	NA	3310.75	
RW-2	08/12/09	3362.00	61.10	49.52	49.70	0.18	Pumped	0.25	14.75	3312.45	
RW-2	08/12/09	3362.00	61.10	ND	50.65	ND	NA	NA	NA	3311.35	
RW-2	08/19/09	3362.00	61.10	49.50	49.65	0.15	Pumped	0.25	14.75	3312.48	
RW-2	08/19/09	3362.00	61.10	ND	51.15	ND	NA	NA	NA	3310.85	
RW-2	08/26/09	3362.00	61.10	49.61	49.74	0.13	NA	NA	NA	3312.37	
RW-2	09/02/09	3362.00	61.10	49.51	49.77	0.26	Pumped	0.25	14.75	3312.45	
RW-2	09/02/09	3362.00	61.10	ND	51.87	ND	NA	NA	NA	3310.13	
RW-2	09/09/09	3362.00	61.10	49.55	49.68	0.13	Pumped	0.25	14.75	3312.43	
RW-2	09/09/09	3362.00	61.10	ND	50.22	ND	NA	NA	NA	3311.78	
RW-2	09/16/09	3362.00	61.10	49.63	49.81	0.18	Pumped	0.25	14.75	3312.34	
RW-2	09/16/09	3362.00	61.10	ND	51.00	ND	NA	NA	NA	3311.00	
RW-2	09/23/09	3362.00	61.10	49.58	49.75	0.17	Pumped	0.25	19.75	3312.39	
RW-2	09/23/09	3362.00	61.10	ND	50.98	ND	NA	NA	NA	3311.02	
RW-2	09/30/09	3362.00	61.10	49.59	49.79	0.20	Pumped	0.25	9.75	3312.38	
RW-2	09/30/09	3362.00	61.10	ND	50.93	ND	AM	NA	NA	3311.07	
RW-2	09/30/09	3362.00	61.10	49.55	49.57	0.02	Pumped	NA	10.00	3312.45	
RW-2	09/30/09	3362.00	61.10	ND	50.82	ND	PM	NA	NA	3311.18	
RW-2	10/07/09	3362.00	61.10	49.63	49.78	0.15	Pumped	0.25	9.75	3312.35	
RW-2	10/07/09	3362.00	61.10	ND	50.35	ND	AM	NA	NA	3311.65	
RW-2	10/07/09	3362.00	61.10	49.60	49.62	0.02	Pumped	0.10	9.90	3312.40	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	10/07/09	3362.00	61.10	ND	50.43	ND	PM	NA	NA	3311.57	
RW-2	10/14/09	3362.00	61.10	49.64	49.77	0.13	Pumped	0.50	9.50	3312.34	
RW-2	10/14/09	3362.00	61.10	ND	50.24	ND	PM	NA	NA	3311.76	
RW-2	10/14/09	3362.00	61.10	49.58	49.62	0.04	Pumped	0.10	9.90	3312.41	
RW-2	10/14/09	3362.00	61.10	ND	50.23	ND	PM	NA	NA	3311.77	
RW-2	10/21/09	3362.00	61.10	49.56	49.77	0.21	Hand Bailed	0.50	9.50	3312.41	
RW-2	10/21/09	3362.00	61.10	ND	49.75	ND	NA	NA	NA	3312.25	
RW-2	10/28/09	3362.00	61.10	49.52	49.74	0.22	Pumped	0.25	19.75	3312.45	
RW-2	10/28/09	3362.00	61.10	ND	50.21	ND	NA	NA	NA	3311.79	
RW-2	11/04/09	3362.00	61.10	49.67	49.92	0.25		0.25	9.75	3312.29	
RW-2	11/04/09	3362.00	61.10	ND	50.16	ND	NA	NA	NA	3311.84	
RW-2	11/04/09	3362.00	61.10	49.66	49.68	0.02		0.00	10.00	3312.34	
RW-2	11/04/09	3362.00	61.10	ND	50.03	ND	NA	NA	NA	3311.97	
RW-2	11/11/09	3362.00	61.10	49.68	49.88	0.20		0.50	9.50	3312.29	
RW-2	11/11/09	3362.00	61.10	ND	50.23	ND	NA	NA	NA	3311.77	
RW-2	11/11/09	3362.00	61.10	49.63	49.64	0.01		0.10	9.90	3312.37	
RW-2	11/11/09	3362.00	61.10	ND	50.53	ND	NA	NA	NA	3311.47	
RW-2	11/18/09	3362.00	61.10	49.61	49.78	0.17		0.10	19.90	3312.36	
RW-2	11/18/09	3362.00	61.10	ND	50.51	ND	NA	NA	NA	3311.49	
RW-2	11/25/09	3362.00	61.10	49.68	49.92	0.24		0.10	9.90	3312.28	
RW-2	11/25/09	3362.00	61.10	ND	50.37	ND	NA	NA	NA	3311.63	
RW-2	12/02/09	3362.00	61.10	49.64	49.87	0.23		0.10	9.90	3312.33	
RW-2	12/02/09	3362.00	61.10	ND	50.29	ND	NA	NA	NA	3311.71	
RW-2	12/09/09	3362.00	61.10	49.65	49.92	0.27		0.10	9.90	3312.31	
RW-2	12/09/09	3362.00	61.10	ND	50.69	ND	NA	NA	NA	3311.31	
RW-2	12/16/09	3362.00	61.10	49.70	50.03	0.33		0.10	29.90	3312.25	
RW-2	12/16/09	3362.00	61.10	ND	50.18	ND	NA	NA	NA	3311.82	
RW-2	12/23/09	3362.00	61.10	49.62	49.83	0.21		0.25	14.75	3312.35	
RW-2	12/23/09	3362.00	61.10	ND	49.98	ND	NA	NA	NA	3312.02	
RW-2	12/30/09	3362.00	61.10	49.61	49.91	0.30		0.25	9.75	3312.35	
RW-2	12/30/09	3362.00	61.10	ND	50.23	ND	NA	NA	NA	3311.77	
RW-2	01/06/10	3362.00	61.10	49.59	49.86	0.27		0.10	14.90	3312.37	
RW-2	01/06/10	3362.00	61.10	ND	50.16	ND	NA	NA	NA	3311.84	
RW-2	01/13/10	3362.00	61.10	49.60	49.94	0.34		0.25	14.75	3312.35	
RW-2	01/20/10	3362.00	61.10	49.55	49.74	0.19		0.10	9.90	3312.42	
RW-2	01/27/10	3362.00	61.10	49.64	49.83	0.19		0.10	14.90	3312.33	
RW-2	02/11/10	3362.00	61.10	49.58	50.05	0.47		0.25	14.75	3312.35	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	02/17/10	3362.00	61.10	49.58	49.78	0.20		0.10	9.90	3312.39	
RW-2	03/02/10	3362.00	61.10	50.11	50.19	0.08		0.10	9.90	3311.88	
RW-2	03/10/10	3362.00	61.10	49.50	49.63	0.13		0.10	9.90	3312.48	
RW-2	03/17/10	3362.00	61.10	49.56	49.79	0.23		0.10	14.90	3312.41	
RW-2	03/24/10	3362.00	61.10	49.55	49.67	0.12		0.10	19.90	3312.43	
RW-2	03/31/10	3362.00	61.10	49.45	49.60	0.15		0.10	19.90	3312.53	
RW-2	04/07/10	3362.00	61.10	49.55	49.70	0.15		0.10	19.90	3312.43	
RW-2	04/14/10	3362.00	61.10	49.50	49.62	0.12		0.10	19.90	3312.48	
RW-2	04/21/10	3362.00	61.10	49.42	49.58	0.16		0.10	14.90	3312.56	
RW-2	04/28/10	3362.00	61.10	49.49	49.63	0.14		0.10	9.90	3312.49	
RW-2	05/05/10	3362.00	61.10	49.50	49.62	0.12	Hand Bailed	0.10	9.90	3312.48	
RW-2	05/11/10	3362.00	61.10	49.40	49.55	0.15	Pumped	0.10	34.90	3312.58	
RW-2	05/19/10	3362.00	61.10	49.47	49.63	0.16	Pumped	0.10	9.90	3312.51	
RW-2	05/29/10	3362.00	61.10	49.49	49.65	0.16	Pumped	0.10	9.90	3312.49	
RW-2	06/02/10	3362.00	61.10	49.48	49.58	0.10	Pumped	0.10	9.90	3312.51	
RW-2	06/12/10	3362.00	61.10	49.53	49.63	0.10	Pumped	0.10	9.90	3312.46	
RW-2	06/15/10	3362.00	61.10	49.45	49.52	0.07	Pumped	0.10	9.90	3312.54	
RW-2	06/25/10	3362.00	61.10	49.49	49.64	0.15	Pumped	<.25	10.00	3312.49	
RW-2	07/07/10	3362.00	61.10	49.53	49.73	0.20	Pumped	<.25	10.00	3312.44	
RW-2	07/14/10	3362.00	61.10	49.52	49.67	0.15	Pumped	0.10	9.90	3312.46	
RW-2	07/21/10	3362.00	61.10	49.54	49.66	0.12	Pumped	0.10	9.90	3312.44	
RW-2	07/28/10	3362.00	61.10	49.54	49.64	0.10	Pumped	0.10	9.90	3312.45	
RW-2	08/03/10	3362.00	61.10	49.55	49.67	0.12	Pumped	0.10	9.90	3312.43	
RW-2	08/11/10	3362.00	61.10	49.50	49.65	0.15	NA	NA	NA	3312.48	
RW-2	08/18/10	3362.00	61.10	49.48	49.68	0.20	Pumped	0.25	14.75	3312.49	
RW-2	08/25/10	3362.00	61.10	49.55	49.68	0.13	Pumped	0.10	9.90	3312.43	
RW-2	09/01/10	3362.00	61.10	49.47	49.58	0.11	Pumped	0.10	9.90	3312.51	
RW-2	09/08/10	3362.00	61.10	49.53	49.61	0.08	Pumped	0.10	9.90	3312.46	
RW-2	09/15/10	3362.00	61.10	49.54	49.66	0.12	Pumped	0.10	9.90	3312.44	
RW-2	09/21/10	3362.00	61.10	49.48	49.56	0.08	Pumped	0.10	19.90	3312.51	
RW-2	10/01/10	3362.00	61.10	49.57	49.67	0.10	Pumped	0.10	9.90	3312.42	
RW-2	10/06/10	3362.00	61.10	49.60	49.66	0.06	Pumped	0.10	9.90	3312.39	
RW-2	10/13/10	3362.00	61.10	49.58	49.65	0.07	Pumped	0.10	14.90	3312.41	
RW-2	10/22/10	3362.00	61.10	49.49	49.57	0.08	Pumped	0.10	9.90	3312.50	
RW-2	10/27/10	3362.00	61.10	49.40	49.48	0.08	Pumped	0.10	9.90	3312.59	
RW-2	11/03/10	3362.00	61.10	49.58	49.74	0.16	Pumped	0.10	9.90	3312.40	
RW-2	11/10/10	3362.00	61.10	49.41	49.49	0.08	NA	NA	NA	3312.58	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	11/16/10	3362.00	61.10	49.50	49.61	0.11	Pumped	0.10	9.90	3312.48	
RW-2	11/16/10	3362.00	61.10	ND	50.21	ND				3311.79	
RW-2	11/23/10	3362.00	61.10	49.40	49.50	0.10	Pumped	0.10	9.90	3312.59	
RW-2	11/23/10	3362.00	61.10	ND	50.09	ND				3311.91	
RW-2	12/01/10	3362.00	61.10	49.39	49.50	0.11	Pumped	0.10	14.90	3312.59	
RW-2	12/01/10	3362.00	61.10	ND	49.96	ND				3312.04	
RW-2	12/08/10	3362.00	61.10	49.45	49.59	0.14	Pumped	0.10	9.90	3312.53	
RW-2	12/08/10	3362.00	61.10	ND	50.21	ND				3311.79	
RW-2	12/15/10	3362.00	61.10	49.33	49.41	0.08	Pumped	0.10	14.90	3312.66	
RW-2	12/15/10	3362.00	61.10	ND	50.26	ND				3311.74	
RW-2	12/21/10	3362.00	61.10	49.41	49.47	0.06	Pumped	0.10	9.90	3312.58	
RW-2	12/21/10	3362.00	61.10	ND	50.24	ND				3311.76	
RW-2	12/28/10	3362.00	61.10	DNG	DNG	DNG	Pumped	0.10	9.90	DNG	
RW-2	01/08/11	3362.00	61.10	49.32	49.52	0.20		0.20	9.80	3312.65	
RW-2	01/08/11	3362.00	61.10	ND	50.20	ND	NA	NA	NA	3311.80	
RW-2	01/12/11	3362.00	61.10	49.47	49.54	0.07		0.10	9.90	3312.52	
RW-2	01/12/11	3362.00	61.10	ND	49.65	ND	NA	NA	NA	3312.35	
RW-2	01/19/11	3362.00	61.10	49.33	49.40	0.07		0.10	9.90	3312.66	
RW-2	01/19/11	3362.00	61.10	ND	50.38	ND	NA	NA	NA	3311.62	
RW-2	01/25/11	3362.00	61.10	49.40	49.47	0.07		0.20	9.80	3312.59	
RW-2	01/25/11	3362.00	61.10	ND	50.03	ND	NA	NA	NA	3311.97	
RW-2	02/04/11	3362.00	61.10	49.34	49.46	0.12		0.20	9.80	3312.64	
RW-2	02/04/11	3362.00	61.10	ND	50.45	ND	NA	NA	NA	3311.55	
RW-2	02/08/11	3362.00	61.10	49.34	49.37	0.03		0.10	9.90	3312.66	
RW-2	02/08/11	3362.00	61.10	ND	50.41	ND	NA	NA	NA	3311.59	
RW-2	02/16/11	3362.00	61.10	49.35	49.45	0.10		0.10	9.90	3312.64	
RW-2	02/16/11	3362.00	61.10	ND	50.21	ND	NA	NA	NA	3311.79	
RW-2	02/23/11	3362.00	61.10	49.34	49.40	0.06		0.10	9.90	3312.65	
RW-2	02/23/11	3362.00	61.10	ND	50.78	ND	NA	NA	NA	3311.22	
RW-2	03/02/11	3362.00	61.10	49.37	49.57	0.20		0.20	9.80	3312.60	
RW-2	03/02/11	3362.00	61.10	ND	50.50	ND	NA	NA	NA	3311.50	
RW-2	03/08/11	3362.00	61.10	49.31	49.39	0.08	Hand Bailed	0.10	4.90	3312.68	
RW-2	03/08/11	3362.00	61.10	ND	49.54	ND	NA	NA	NA	3312.46	
RW-2	03/16/11	3362.00	61.10	49.34	49.44	0.10		0.10	4.90	3312.65	
RW-2	03/16/11	3362.00	61.10	ND	49.62	ND	NA	NA	NA	3312.38	
RW-2	03/23/11	3362.00	61.10	49.38	49.47	0.09		0.10	4.90	3312.61	
RW-2	03/23/11	3362.00	61.10	ND	49.65	ND	NA	NA	NA	3312.35	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	03/30/11	3362.00	61.10	49.31	49.42	0.11		0.10	14.90	3312.67	
RW-2	03/30/11	3362.00	61.10	ND	49.36	ND	NA	NA	NA	3312.64	
RW-2	04/08/11	3362.00	61.10	49.30	49.39	0.09	Pumped	0.10	9.90	3312.69	
RW-2	04/08/11	3362.00	61.10	ND	50.10	ND	NA	NA	NA	3311.90	
RW-2	04/13/11	3362.00	61.10	49.28	49.33	0.05		0.10	4.90	3312.71	
RW-2	04/13/11	3362.00	61.10	ND	49.63	ND	NA	NA	NA	3312.37	
RW-2	04/20/11	3362.00	61.10	49.35	49.42	0.07	Hand Bailed	0.10	9.90	3312.64	
RW-2	04/20/11	3362.00	61.10	ND	49.54	ND	NA	NA	NA	3312.46	
RW-2	04/27/11	3362.00	61.10	49.35	49.42	0.07	Pumped	0.10	14.90	3312.64	
RW-2	04/27/11	3362.00	61.10	ND	50.00	ND	NA	NA	NA	3312.00	
RW-2	05/04/11	3362.00	61.10	49.29	49.41	0.12		0.10	19.90	3312.69	
RW-2	05/04/11	3362.00	61.10	ND	50.21	ND	NA	NA	NA	3311.79	
RW-2	05/11/11	3362.00	61.10	49.26	49.34	0.08		0.10	9.90	3312.73	
RW-2	05/11/11	3362.00	61.10	ND	50.12	ND	NA	NA	NA	3311.88	
RW-2	05/19/11	3362.00	61.10	49.29	49.40	0.11		0.10	19.90	3312.69	
RW-2	05/19/11	3362.00	61.10	ND	49.89	ND	NA	NA	NA	3312.11	
RW-2	05/24/11	3362.00	61.10	49.32	49.41	0.09		0.10	9.90	3312.67	
RW-2	05/24/11	3362.00	61.10	ND	49.60	ND	NA	NA	NA	3312.40	
RW-2	06/01/11	3362.00	61.10	49.46	49.51	0.05	NA	NA	NA	3312.53	Sampled
RW-2	06/08/11	3362.00	61.10	49.40	49.52	0.12		0.10	9.90	3312.58	
RW-2	06/08/11	3362.00	61.10	ND	50.73	ND	NA	NA	NA	3311.27	
RW-2	06/17/11	3362.00	61.10	49.30	49.42	0.12		0.00	10.00	3312.68	
RW-2	06/17/11	3362.00	61.10	ND	50.60	ND	NA	NA	NA	3311.40	
RW-2	06/21/11	3362.00	61.10	49.35	49.50	0.15		0.10	9.90	3312.63	
RW-2	06/21/11	3362.00	61.10	ND	50.27	ND	NA	NA	NA	3311.73	
RW-2	06/29/11	3362.00	61.10	49.49	49.71	0.22		0.10	9.90	3312.48	
RW-2	06/29/11	3362.00	61.10	ND	50.61	ND	NA	NA	NA	3311.39	
RW-2	07/06/11	3362.00	61.10	49.53	49.65	0.12		0.10	4.90	3312.45	
RW-2	07/06/11	3362.00	61.10	ND	49.64	ND	NA	NA	NA	3312.36	
RW-2	07/13/11	3362.00	61.10	49.50	49.61	0.11		0.20	14.80	3312.48	
RW-2	07/13/11	3362.00	61.10	ND	49.95	ND	NA	NA	NA	3312.05	
RW-2	07/20/11	3362.00	61.10	49.31	49.38	0.07		0.10	4.90	3312.68	
RW-2	07/20/11	3362.00	61.10	ND	49.58	ND	NA	NA	NA	3312.42	
RW-2	07/27/11	3362.00	61.10	49.48	49.63	0.15		0.10	9.90	3312.50	
RW-2	07/27/11	3362.00	61.10	ND	49.76	ND	NA	NA	NA	3312.24	
RW-2	08/03/11	3362.00	61.10	49.55	49.66	0.11		0.10	9.90	3312.43	
RW-2	08/03/11	3362.00	61.10	ND	49.64	ND	NA	NA	NA	3312.36	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	08/11/11	3362.00	61.10	49.54	49.67	0.13	Hand Bailed	0.10	4.90	3312.44	
RW-2	08/11/11	3362.00	61.10	ND	49.82	ND	NA	NA	NA	3312.18	
RW-2	08/16/11	3362.00	61.10	49.50	49.68	0.18		0.10	9.90	3312.47	
RW-2	08/16/11	3362.00	61.10	ND	49.53	ND	NA	NA	NA	3312.47	
RW-2	08/24/11	3362.00	61.10	49.56	49.71	0.15		0.20	9.80	3312.42	
RW-2	08/24/11	3362.00	61.10	ND	49.60	ND	NA	NA	NA	3312.40	
RW-2	08/30/11	3362.00	61.10	49.53	49.74	0.21		0.10	4.90	3312.44	
RW-2	08/30/11	3362.00	61.10	ND	49.79	ND	NA	NA	NA	3312.21	
RW-2	09/07/11	3362.00	61.10	49.60	49.79	0.19		0.10	4.90	3312.37	
RW-2	09/07/11	3362.00	61.10	ND	49.90	ND	NA	NA	NA	3312.10	
RW-2	09/14/11	3362.00	61.10	49.55	49.76	0.21		0.10	4.90	3312.42	
RW-2	09/14/11	3362.00	61.10	ND	49.71	ND	NA	NA	NA	3312.29	
RW-2	09/21/11	3362.00	61.10	49.58	49.81	0.23		0.10	4.90	3312.39	
RW-2	09/21/11	3362.00	61.10	ND	49.64	ND	NA	NA	NA	3312.36	
RW-2	09/28/11	3362.00	61.10	49.61	49.86	0.25	Hand Bailed	0.10	4.90	3312.35	
RW-2	09/28/11	3362.00	61.10	ND	49.68	ND	NA	NA	NA	3312.32	
RW-2	10/05/11	3362.00	61.10	49.56	49.81	0.25	Pumped	0.25	9.75	3312.40	Clear at 5 gal
RW-2	10/05/11	3362.00	61.10	ND	50.50	ND	NA	NA	NA	3311.50	
RW-2	10/12/11	3362.00	61.10	49.67	49.70	0.03		0.10	14.90	3312.33	
RW-2	10/12/11	3362.00	61.10	ND	50.78	ND	NA	NA	NA	3311.22	
RW-2	10/18/11	3362.00	61.10	49.69	49.82	0.13		0.10	9.90	3312.29	Clear at 3 gal
RW-2	10/18/11	3362.00	61.10	ND	50.16	ND	NA	NA	NA	3311.84	
RW-2	10/28/11	3362.00	61.10	49.70	49.84	0.14		0.10	9.90	3312.28	Clear at 3 gal
RW-2	10/28/11	3362.00	61.10	ND	50.90	ND	NA	NA	NA	3311.10	
RW-2	11/02/11	3362.00	61.10	49.64	49.69	0.05		0.10	4.90	3312.35	Clear at 3 gal
RW-2	11/02/11	3362.00	61.10	ND	50.49	ND	NA	NA	NA	3311.51	
RW-2	11/09/11	3362.00	61.10	49.70	49.78	0.08		0.10	9.90	3312.29	
RW-2	11/09/11	3362.00	61.10	ND	49.98	ND	NA	NA	NA	3312.02	
RW-2	11/18/11	3362.00	61.10	49.56	49.65	0.09		0.10	4.90	3312.43	
RW-2	11/18/11	3362.00	61.10	ND	50.19	ND	NA	NA	NA	3311.81	
RW-2	11/23/11	3362.00	61.10	49.64	49.78	0.14		0.10	19.90	3312.34	
RW-2	11/23/11	3362.00	61.10	ND	51.00	ND	NA	NA	NA	3311.00	
RW-2	11/28/11	3362.00	61.10	49.56	49.69	0.13	NA	NA	NA	3312.42	
RW-2	12/13/11	3362.00	61.10	49.57	49.86	0.29		0.10	9.90	3312.39	
RW-2	12/13/11	3362.00	61.10	ND	50.43	ND	NA	NA	NA	3311.57	
RW-2	12/20/11	3362.00	61.10	49.61	49.74	0.13		0.10	4.90	3312.37	
RW-2	12/20/11	3362.00	61.10	ND	50.23	ND	NA	NA	NA	3311.77	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	12/27/11	3362.00	61.10	49.64	49.74	0.10		0.25	9.75	3312.35	
RW-2	12/27/11	3362.00	61.10	ND	50.51	ND	NA	NA	NA	3311.49	
RW-2	01/04/12	3362.00	61.10	49.66	49.71	0.05	Hand Bailed	0.10	4.90	3312.33	
RW-2	01/04/12	3362.00	61.10	ND	49.70	ND	NA	NA	NA	3312.30	
RW-2	01/13/12	3362.00	61.10	49.62	49.80	0.18		0.10	4.90	3312.35	
RW-2	01/13/12	3362.00	61.10	ND	47.72	ND	NA	NA	NA	3314.28	
RW-2	01/18/12	3362.00	61.10	49.60	49.76	0.16	Pumped	0.10	9.90	3312.38	
RW-2	01/18/12	3362.00	61.10	ND	50.53	ND	NA	NA	NA	3311.47	
RW-2	01/27/12	3362.00	61.10	49.55	49.68	0.13		0.10	14.90	3312.43	
RW-2	01/27/12	3362.00	61.10	ND	50.55	ND	NA	NA	NA	3311.45	
RW-2	02/02/12	3362.00	61.10	49.54	49.59	0.05		0.10	9.90	3312.45	
RW-2	02/02/12	3362.00	61.10	ND	49.56	ND	NA	NA	NA	3312.44	
RW-2	02/08/12	3362.00	61.10	49.66	49.75	0.09		0.10	9.90	3312.33	
RW-2	02/08/12	3362.00	61.10	ND	50.48	ND	NA	NA	NA	3311.52	
RW-2	02/15/12	3362.00	61.10	49.59	49.62	0.03		0.10	4.90	3312.41	
RW-2	02/15/12	3362.00	61.10	ND	50.68	ND	NA	NA	NA	3311.32	
RW-2	02/22/12	3362.00	61.10	50.57	50.62	0.05	NA	NA	NA	3311.42	
RW-2	02/29/12	3362.00	61.10	49.56	49.86	0.30		0.10	9.90	3312.40	
RW-2	02/29/12	3362.00	61.10	ND	50.26	ND	NA	NA	NA	3311.74	
RW-2	03/06/12	3362.00	61.10	49.50	49.80	0.30		0.10	9.90	3312.46	
RW-2	03/06/12	3362.00	61.10	ND	50.43	ND	NA	NA	NA	3311.57	
RW-2	03/14/12	3362.00	61.10	49.46	49.70	0.24	NA	NA	NA	3312.50	
RW-2	03/21/12	3362.00	61.10	49.40	49.55	0.15		0.10	9.90	3312.58	
RW-2	03/21/12	3362.00	61.10	ND	50.15	ND	NA	NA	NA	3311.85	
RW-2	03/29/12	3362.00	61.10	49.49	49.70	0.21		0.10	9.90	3312.48	
RW-2	03/29/12	3362.00	61.10	ND	50.63	ND	NA	NA	NA	3311.37	
RW-2	04/03/12	3362.00	61.10	49.55	49.80	0.25		0.10	9.90	3312.41	
RW-2	04/03/12	3362.00	61.10	ND	50.25	ND	NA	NA	NA	3311.75	
RW-2	04/11/12	3362.00	61.10	49.48	49.70	0.22		0.10	9.90	3312.49	
RW-2	04/11/12	3362.00	61.10	ND	49.99	ND	NA	NA	NA	3312.01	
RW-2	04/20/12	3362.00	61.10	49.38	49.52	0.14		0.10	9.90	3312.60	
RW-2	04/20/12	3362.00	61.10	ND	50.12	ND	NA	NA	NA	3311.88	
RW-2	04/26/12	3362.00	61.10	49.45	49.82	0.37		0.10	9.90	3312.49	
RW-2	04/26/12	3362.00	61.10	ND	50.20	ND	NA	NA	NA	3311.80	
RW-2	05/02/12	3362.00	61.10	49.51	49.61	0.10		0.10	9.90	3312.48	
RW-2	05/02/12	3362.00	61.10	ND	50.23	ND	NA	NA	NA	3311.77	
RW-2	05/09/12	3362.00	61.10	49.55	49.70	0.15		0.10	9.90	3312.43	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	05/09/12	3362.00	61.10	ND	50.28	ND	NA	NA	NA	3311.72	
RW-2	05/22/12	3362.00	61.10	49.48	49.70	0.22	NA	NA	NA	3312.49	Sampled
RW-2	05/29/12	3362.00	61.10	49.49	49.64	0.15		0.25	13.00	3312.49	
RW-2	05/29/12	3362.00	61.10	ND	49.97	ND	NA	NA	NA	3312.03	
RW-2	06/06/12	3362.00	61.10	49.53	49.60	0.07		0.10	9.90	3312.46	
RW-2	06/06/12	3362.00	61.10	ND	51.44	ND	NA	NA	NA	3310.56	
RW-2	06/13/12	3362.00	61.10	49.45	49.49	0.04		0.10	9.90	3312.54	
RW-2	06/13/12	3362.00	61.10	ND	51.12	ND	NA	NA	NA	3310.88	
RW-2	06/19/12	3362.00	61.10	49.41	49.65	0.24		0.10	9.90	3312.55	
RW-2	06/19/12	3362.00	61.10	ND	49.45	ND	NA	NA	NA	3312.55	
RW-2	06/27/12	3362.00	61.10	49.45	49.55	0.10	NA	NA	5.00	3312.54	
RW-2	06/27/12	3362.00	61.10	ND	50.22	ND	NA	NA	NA	3311.78	
RW-2	06/27/12	3362.00	61.10	49.97	50.09	0.12		0.00	5.00	3312.01	
RW-2	06/27/12	3362.00	61.10	ND		ND	NA	NA	NA	3362.00	
RW-2	07/05/12	3362.00	61.10	49.52	49.62	0.10	NA	0.10	10.00	3312.47	
RW-2	07/05/12	3362.00	61.10	ND	50.82	ND	NA	NA	NA	3311.18	
RW-2	07/11/12	3362.00	61.10	49.51	49.63	0.12	NA	0.10	10.00	3312.47	
RW-2	07/11/12	3362.00	61.10	ND	50.50	ND	NA	NA	NA	3311.50	
RW-2	07/18/12	3362.00	61.10	49.53	49.76	0.23	NA	NA	10.00	3312.44	
RW-2	07/18/12	3362.00	61.10	ND	49.60	ND	NA	NA	NA	3312.40	
RW-2	07/25/12	3362.00	61.10	49.55	49.71	0.16	NA	0.25	9.75	3312.43	
RW-2	07/25/12	3362.00	61.10	ND	49.82	ND	NA	NA	NA	3312.18	
RW-2	07/31/12	3362.00	61.10	49.55	49.80	0.25	NA	0.10	10.00	3312.41	
RW-2	07/31/12	3362.00	61.10	ND	49.45	ND	NA	NA	NA	3312.55	
RW-2	08/08/12	3362.00	61.10	49.55	49.85	0.30	NA	NA	NA	3312.41	
RW-2	08/13/12	3362.00	61.10	49.48	49.75	0.27	NA	0.10	10.00	3312.48	
RW-2	08/13/12	3362.00	61.10	ND	50.58	ND	NA	NA	NA	3311.42	
RW-2	09/05/12	3362.00	61.10	49.70	49.93	0.23	NA	0.10	10.00	3312.27	
RW-2	09/11/12	3362.00	61.10	49.52	49.70	0.18	NA	0.10	10.00	3312.45	
RW-2	09/19/12	3362.00	61.10	49.60	50.14	0.54	NA	1.00	9.00	3312.32	
RW-2	09/19/12	3362.00	61.10	ND	50.25	ND	NA	NA	NA	3311.75	
RW-2	09/25/12	3362.00	61.10	49.56	49.95	0.39	NA	0.10	10	3312.38	
RW-2	09/25/12	3362.00	61.10	ND	50.32	ND	NA	NA	NA	3311.68	
RW-2	10/03/12	3362.00	61.10	49.62	50.12	0.50	NA	0.10	10.00	3312.31	
RW-2	10/03/12	3362.00	61.10	ND	50.30	ND	NA	NA	NA	3311.70	
RW-2	10/24/12	3362.00	61.10	49.50	49.93	0.43	NA	0.10	10.00	3312.44	
RW-2	10/24/12	3362.00	61.10	ND	50.25	ND	NA	NA	NA	3311.75	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-2	10/30/12	3362.00	61.10	49.64	49.85	0.21	NA	0.10	10.00	3312.33	
RW-2	10/30/12	3362.00	61.10	ND	49.58	ND	NA	NA	NA	3312.42	
RW-2	11/06/12	3362.00	61.10	49.65	49.85	0.20	NA	0.10	10.00	3312.32	
RW-2	11/06/12	3362.00	61.10	ND	50.35	ND	NA	NA	NA	3311.65	
RW-2	11/13/12	3362.00	61.10	49.65	50.00	0.35	NA	0.10	10.00	3312.30	
RW-2	11/13/12	3362.00	61.10	ND	49.74	ND	NA	NA	NA	3312.26	
RW-2	11/26/12	3362.00	61.10	49.55	50.38	0.83	NA	NA	NA	3312.33	
RW-2	12/05/12	3362.00	61.10	49.54	50.55	1.01	NA	1.00	9.00	3312.31	
RW-2	12/05/12	3362.00	61.10	ND	50.65	ND	NA	NA	NA	3311.35	
RW-2	12/11/12	3362.00	61.10	49.68	49.90	0.22	NA	NA	NA	3312.29	
RW-2	01/03/13	3362.00	61.10	49.65	50.38	0.73	NA	NA	NA	3312.24	
RW-2	01/16/13	3362.00	61.10	49.60	50.53	0.93	NA	1.00	9.00	3312.26	
RW-2	01/16/13	3362.00	61.10	ND	50.33	ND	NA	NA	NA	3311.67	
RW-2	01/23/13	3362.00	61.10	49.65	49.95	0.30	NA	0.10	10.00	3354.81	
RW-2	01/23/13	3362.00	61.10	ND	50.50	ND	NA	NA	NA	3311.50	
RW-2	01/30/13	3362.00	61.10	49.71	50.12	0.41	NA	0.10	10.00	3312.23	
RW-2	01/30/13	3362.00	61.10	ND	50.45	ND	NA	NA	NA	3311.55	
RW-2	02/07/13	3362.00	61.10	49.65	49.91	0.26	NA	0.10	10.00	3312.31	
RW-2	02/07/13	3362.00	61.10	ND	50.17	ND	NA	NA	NA	3311.83	
RW-2	02/13/13	3362.00	61.10	49.68	50.08	0.40	NA	0.10	10.00	3312.26	
RW-2	02/13/13	3362.00	61.10	ND	49.78	ND	NA	NA	NA	3312.22	
RW-2	02/27/13	3362.00	61.10	49.68	50.12	0.44	NA	NA	NA	3312.25	
RW-2	03/21/13	3362.00	61.10	49.50	50.30	0.80	NA	NA	NA	3312.38	
RW-2	03/29/13	3362.00	61.10	49.54	50.30	0.76	NA	0.50	9.50	3312.35	
RW-2	03/29/13	3362.00	61.10	ND	50.75	ND	NA	NA	NA	3311.25	
RW-2	04/03/13	3362.00	61.10	49.52	50.40	0.88	NA	0.50	9.50	3312.35	
RW-2	04/03/13	3362.00	61.10	ND	50.60	ND	NA	NA	NA	3311.40	
RW-2	04/09/13	3362.00	61.10	49.52	50.58	1.06	NA	0.50	9.50	3312.32	
RW-2	04/09/13	3362.00	61.10	ND	50.88	ND	NA	NA	NA	3311.12	
RW-2	05/01/13	3362.00	61.10	49.62	50.35	0.73	NA	0.50	9.50	3312.27	
RW-2	05/01/13	3362.00	61.10	ND	50.60	ND	NA	NA	NA	3311.40	
RW-2	05/15/13	3362.00	61.10	49.60	50.10	0.50	NA	0.10	10.00	3312.33	
RW-2	05/15/13	3362.00	61.10	ND	50.27	ND	NA	NA	NA	3311.73	
RW-2	05/21/13	3362.00	61.10	49.63	50.33	0.70	NA	0.10	10.00	3312.27	
RW-2	05/21/13	3362.00	61.10	ND	51.27	ND	NA	NA	NA	3310.73	
RW-2	06/05/13	3362.00	61.10	49.58	50.55	0.97	NA	1.00	9.00	3312.27	
RW-2	06/05/13	3362.00	61.10	ND	54.18	ND	NA	NA	NA	3307.82	

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RW-2	06/11/13	3362.00	61.10	49.74	50.16	0.42	NA	NA	NA	3312.20	
RW-2	06/17/13	3362.00	61.10	49.73	50.35	0.62	NA	0.25	9.75	3312.18	
RW-2	06/26/13	3362.00	61.10	49.65	50.53	0.88	NA	1.00	9.00	3312.22	
RW-2	06/26/13	3362.00	61.10	ND	50.90	ND	NA	NA	NA	3311.10	
RW-2	07/03/13	3362.00	61.10	49.61	50.68	1.07	NA	NA	9.00	3312.23	
RW-2	07/10/13	3362.00	61.10	49.70	50.22	0.52	NA	NA	NA	3312.22	
RW-2	07/23/13	3362.00	61.10	49.63	50.60	0.97	NA	2.00	8.00	3312.22	
RW-2	07/30/13	3362.00	61.10	49.50	50.55	1.05	NA	1.00	9.00	3312.34	
RW-2	08/07/13	3362.00	61.10	49.54	50.61	1.07	NA	0.50	9.50	3312.30	
RW-2	08/14/13	3362.00	61.10	49.70	50.82	1.12	NA	NA	NA	3312.13	
RW-2	08/21/13	3362.00	61.10	49.83	50.30	0.47	NA	0.50	9.50	3312.10	
RW-2	08/28/13	3362.00	61.10	49.76	50.68	0.92	NA	1.00	9.00	3312.10	
RW-2	09/06/13	3362.00	61.10	49.80	50.52	0.72	NA	1.00	9.00	3312.09	
RW-2	09/10/13	3362.00	61.10	49.84	51.12	1.28	NA	NA	NA	3311.97	
RW-2	09/21/13	3362.00	61.10	49.81	50.70	0.89	NA	1.00	9.00	3312.06	
RW-2	09/28/13	3362.00	61.10	49.91	50.49	0.58	NA	0.50	9.50	3312.00	
RW-2	10/02/13	3362.00	61.10	49.79	50.30	0.51	NA	0.50	9.50	3312.13	
RW-2	10/11/13	3362.00	61.10	49.78	51.00	1.22	NA	0.50	9.50	3312.04	
RW-2	10/16/13	3362.00	61.10	49.80	50.20	0.40	NA	1.00	9.00	3312.14	
RW-2	10/30/13	3362.00	61.10	49.70	50.83	1.13	NA	0.50	9.50	3312.13	
RW-2	11/06/13	3362.00	61.10	49.86	50.52	0.66	NA	0.50	9.50	3312.04	
RW-2	11/20/13	3362.00	61.10	49.78	50.91	1.13	NA	0.50	4.50	3312.05	
RW-2	11/27/13	3362.00	61.10	49.80	50.90	1.10	NA	2.00	3.00	3312.04	
RW-2	12/17/13	3362.00	61.10	49.79	51.05	1.26	NA	1.00	9.00	3312.02	
RW-3	03/28/06	3361.93	63.85	50.22	50.41	0.19	NA	NA	NA	3311.68	
RW-3	03/29/06	3361.93	NG	50.20	50.37	0.17	NA	NA	NA	3311.70	
RW-3	04/13/06	3361.93	NG	50.02	51.04	1.02	Hand Bailed	2.00	0.00	3311.76	
RW-3	04/13/06	3361.93	NG	50.32	50.37	0.05	NA	NA	NA	3311.60	
RW-3	04/25/06	3361.93	NG	50.15	51.00	0.85	Hand Bailed	2.00	0.00	3311.65	
RW-3	04/25/06	3361.93	NG	51.25	51.30	0.05	NA	NA	NA	3310.67	
RW-3	05/03/06	3361.93	NG	50.10	50.81	0.71	Hand Bailed	3.00	0.00	3311.72	
RW-3	05/03/06	3361.93	NG	50.15	50.31	0.16	NA	NA	NA	3311.76	
RW-3	05/11/06	3361.93	NG	50.18	50.91	0.73	Hand Bailed	0.75	0.00	3311.64	
RW-3	05/11/06	3361.93	NG	51.01	51.08	0.07	NA	NA	NA	3310.91	
RW-3	05/24/06	3361.93	NG	50.13	50.81	0.68	Hand Bailed	0.75	0.00	3311.70	
RW-3	05/24/06	3361.93	NG	51.96	52.00	0.04	NA	NA	NA	3309.96	

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RW-3	06/07/06	3361.93	NG	50.17	50.90	0.73	Hand Bailed	1.00	0.00	3311.65	
RW-3	06/07/06	3361.93	NG	50.50	50.65	0.15	NA	NA	NA	3311.41	
RW-3	06/15/06	3361.93	NG	50.13	50.63	0.50	NA	NA	NA	3311.73	
RW-3	06/29/06	3361.93	NG	50.14	50.96	0.82	Hand Bailed	1.00	0.00	3311.67	
RW-3	06/29/06	3361.93	NG	50.53	50.58	0.05	NA	NA	NA	3311.39	
RW-3	07/11/06	3361.93	NG	50.12	50.61	0.49	NA	NA	NA	3311.74	
RW-3	07/11/06	3361.93	NG	50.12	50.50	0.38	NA	NA	NA	3311.75	
RW-3	07/25/06	3361.93	NG	50.22	50.54	0.32	Hand Bailed	0.50	0.00	3311.66	
RW-3	07/25/06	3361.93	NG	50.55	50.60	0.05	NA	NA	NA	3311.37	
RW-3	08/09/06	3361.93	64.00	50.38	50.55	0.17	NA	NA	NA	3311.52	
RW-3	08/22/06	3361.93	NG	50.22	50.77	0.55	Hand Bailed	0.75	9.25	3311.63	
RW-3	08/22/06	3361.93	NG	50.79	50.84	0.05	NA	NA	NA	3311.13	
RW-3	09/12/06	3361.93	64.42	49.55	50.12	0.57	NA	NA	NA	3312.29	
RW-3	09/19/06	3361.93	NG	50.30	50.65	0.35	Hand Bailed	0.50	9.50	3311.58	
RW-3	09/19/06	3361.93	NG	51.08	51.10	0.02	NA	NA	NA	3310.85	
RW-3	10/03/06	3361.93	NG	50.16	50.56	0.40	Hand Bailed	0.50	9.50	3311.71	
RW-3	10/03/06	3361.93	NG	51.13	51.16	0.03	NA	NA	NA	3310.80	Installed Sock
RW-3	10/17/06	3361.93	NG	50.12	50.48	0.36	Hand Bailed	50.00	4.50	3311.76	
RW-3	10/17/06	3361.93	NG	50.16	50.18	0.02	NA	NA	NA	3311.77	Removed sock
RW-3	10/31/06	3361.93	NG	50.07	51.13	1.06	Hand Bailed	1.50	3.50	3311.70	
RW-3	10/31/06	3361.93	NG	50.08	50.15	0.07	NA	NA	NA	3311.84	Installed Sock
RW-3	11/15/06	3361.93	NG	50.24	50.62	0.38	Hand Bailed	0.50	9.50	3311.63	
RW-3	11/15/06	3361.93	NG	50.42	50.46	0.04	NA	NA	NA	3311.50	Removed sock
RW-3	12/06/06	3361.42	NG	49.93	51.10	1.17	NA	NA	NA	3311.31	No Sock
RW-3	12/13/06	3361.42	NG	49.91	51.13	1.22	Hand Bailed	1.50	3.50	3311.33	
RW-3	12/13/06	3361.42	NG	52.51	52.56	0.05	NA	NA	NA	3308.90	No Sock
RW-3	12/20/06	3361.42	NG	49.85	51.28	1.43	Hand Bailed	0.50	9.50	3311.36	
RW-3	12/20/06	3361.42	NG	50.15	50.20	0.05	NA	NA	NA	3311.26	No Sock
RW-3	12/27/06	3361.42	NG	49.89	50.98	1.09	Hand Bailed	1.50	3.50	3311.37	
RW-3	12/27/06	3361.42	NG	ND	52.90	ND	NA	NA	NA	3308.52	No Sock
RW-3	01/03/07	3361.42	NG	49.93	51.00	1.07	Hand Bailed	1.00	9.00	3311.33	
RW-3	01/03/07	3361.42	NG	50.33	50.38	0.05	NA	NA	NA	3311.08	No Sock
RW-3	01/09/07	3361.42	NG	50.00	50.98	0.98	Hand Bailed	1.25	3.75	3311.27	
RW-3	01/09/07	3361.42	NG	50.96	50.98	0.02	NA	NA	NA	3310.46	No Sock
RW-3	01/18/07	3361.42	NG	49.82	50.85	1.03	Hand Bailed	1.50	8.50	3311.45	
RW-3	01/18/07	3361.42	NG	50.45	50.50	0.05	NA	NA	NA	3310.96	No Sock
RW-3	01/22/07	3361.42	NG	49.82	50.67	0.85	Hand Bailed	1.50	8.50	3311.47	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	01/22/07	3361.42	NG	50.33	50.35	0.02	NA	NA	NA	3311.09	No Sock
RW-3	02/01/07	3361.42	NG	49.80	50.63	0.83	Hand Bailed	2.00	8.00	3311.50	
RW-3	02/01/07	3361.42	NG	50.63	50.68	0.05	NA	NA	NA	3310.78	No Sock
RW-3	02/07/07	3361.42	NG	49.69	49.96	0.27	Hand Bailed	1.50	8.50	3311.69	
RW-3	02/07/07	3361.42	NG	49.91	49.94	0.03	NA	NA	NA	3311.51	No Sock
RW-3	02/14/07	3361.42	NG	49.70	49.97	0.27	Hand Bailed	0.75	9.00	3311.68	
RW-3	02/14/07	3361.42	NG	ND	49.95	ND	NA	NA	NA	3311.47	No Sock
RW-3	02/21/07	3361.42	NG	49.66	49.96	0.30	Hand Bailed	0.50	9.00	3311.72	
RW-3	02/28/07	3361.42	NG	ND	49.99	ND	NA	NA	NA	3311.43	No Sock
RW-3	03/07/07	3361.42	NG	49.78	51.05	1.27	Hand Bailed	1.50	4.00	3311.45	
RW-3	03/07/07	3361.42	NG	50.35	50.40	0.05	NA	NA	NA	3311.06	No Sock
RW-3	03/14/07	3361.42	NG	49.74	50.78	1.04	Hand Bailed	1.00	2.00	3311.52	
RW-3	03/14/07	3361.42	NG	49.97	50.07	0.10	NA	NA	NA	3311.44	No Sock
RW-3	03/21/07	3361.42	NG	49.78	50.80	1.02	Hand Bailed	1.00	1.00	3311.49	
RW-3	03/21/07	3361.42	NG	49.92	49.98	0.06	NA	NA	NA	3311.49	No Sock
RW-3	03/28/07	3361.42	NG	49.69	50.82	1.13	Hand Bailed	0.75	0.75	3311.56	
RW-3	03/28/07	3361.42	NG	50.02	50.07	0.05	NA	NA	NA	3311.39	No Sock
RW-3	04/03/07	3361.42	NG	49.78	50.78	1.00	Hand Bailed	1.00	0.25	3311.49	
RW-3	04/03/07	3361.42	NG	49.98	50.25	0.27	NA	NA	NA	3311.40	No Sock
RW-3	04/10/07	3361.42	NG	49.74	50.88	1.14	Hand Bailed	0.75	0.50	3311.51	
RW-3	04/10/07	3361.42	NG	50.15	50.20	0.05	NA	NA	NA	3311.26	No Sock
RW-3	04/18/07	3361.42	NG	49.75	50.86	1.11	Hand Bailed	1.00	8.50	3311.50	
RW-3	04/18/07	3361.42	NG	50.06	50.15	0.09	NA	NA	NA	3311.35	No Sock
RW-3	04/24/07	3361.42	NG	49.51	50.99	1.48	Hand Bailed	1.00	8.50	3311.69	
RW-3	04/24/07	3361.42	NG	50.12	50.29	0.17	NA	NA	NA	3311.27	No Sock
RW-3	05/03/07	3361.42	NG	49.63	50.78	1.15	Hand Bailed	1.00	9.00	3311.62	
RW-3	05/03/07	3361.42	NG	50.02	50.10	0.08	NA	NA	NA	3311.39	No Sock
RW-3	05/11/07	3361.42	NG	49.73	50.76	1.03	Hand Bailed	1.00	9.00	3311.54	
RW-3	05/11/07	3361.42	NG	ND	50.48	ND	NA	NA	NA	3310.94	No Sock
RW-3	05/16/07	3361.42	NG	49.80	50.47	0.67	Hand Bailed	0.50	9.00	3311.52	
RW-3	05/16/07	3361.42	NG	ND	50.25	ND	NA	NA	NA	3311.17	No Sock
RW-3	05/23/07	3361.42	NG	49.69	50.31	0.62	Hand Bailed	0.50	9.50	3311.64	
RW-3	05/23/07	3361.42	NG	50.50	50.52	0.02	NA	NA	NA	3310.92	No Sock
RW-3	05/31/07	3361.42	NG	49.68	50.10	0.42	Hand Bailed	0.50	9.50	3311.68	
RW-3	05/31/07	3361.42	NG	50.50	50.52	0.02	NA	NA	NA	3310.92	No Sock
RW-3	06/06/07	3361.42	63.83	49.20	50.24	1.04	Hand Bailed	0.75	9.00	3312.06	
RW-3	06/06/07	3361.42	63.83	ND	50.38	ND	NA	NA	NA	3311.04	No Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	06/13/07	3361.42	63.83	49.75	50.22	0.47	Hand Bailed	0.75	9.00	3311.60	
RW-3	06/13/07	3361.42	63.83	ND	50.30	ND	NA	NA	NA	3311.12	No Sock
RW-3	06/19/07	3361.42	63.83	49.72	50.38	0.66	Hand Bailed	0.75	9.00	3311.60	
RW-3	06/19/07	3361.42	63.83	50.10	50.12	0.02	NA	NA	NA	3311.32	No Sock
RW-3	06/27/07	3361.42	63.83	49.71	50.26	0.55	Hand Bailed	0.50	9.00	3311.63	
RW-3	06/27/07	3361.42	63.83	ND	50.36	ND	NA	NA	NA	3311.06	No Sock
RW-3	07/05/07	3361.42	63.75	49.67	50.25	0.58	Hand Bailed	0.50	9.00	3311.66	
RW-3	07/05/07	3361.42	63.75	ND	50.00	ND	NA	NA	NA	3311.42	No Sock
RW-3	07/11/07	3361.42	63.75	49.69	50.31	0.62	Hand Bailed	0.75	8.50	3311.64	
RW-3	07/11/07	3361.42	63.75	ND	50.38	ND	NA	NA	NA	3311.04	No Sock
RW-3	07/19/07	3361.42	63.75	49.69	50.12	0.43	Hand Bailed	0.50	8.50	3311.67	
RW-3	07/19/07	3361.42	63.75	ND	50.21	ND	NA	NA	NA	3311.21	No Sock
RW-3	07/24/07	3361.42	63.75	49.61	50.18	0.57	Hand Bailed	0.75	9.00	3311.72	
RW-3	07/24/07	3361.42	63.75	50.18	50.20	0.02	NA	NA	NA	3311.24	No Sock
RW-3	07/31/07	3361.42	63.79	49.68	50.30	0.62	Hand Bailed	0.75	9.00	3311.65	
RW-3	07/31/07	3361.42	63.79	50.18	50.20	0.02	NA	NA	NA	3311.24	No Sock
RW-3	08/09/07	3361.42	63.79	ND	50.49	ND	Hand Bailed	0.75	9.00	3310.93	
RW-3	08/09/07	3361.42	63.79	50.45	50.47	0.02	NA	NA	NA	3310.97	No Sock
RW-3	08/16/07	3361.42	63.79	49.81	50.48	0.67	Hand Bailed	0.50	9.00	3311.51	
RW-3	08/16/07	3361.42	63.79	ND	50.41	ND	NA	NA	NA	3311.01	No Sock
RW-3	08/22/07	3361.42	63.79	49.73	50.56	0.83	Hand Bailed	0.75	9.00	3311.57	
RW-3	08/22/07	3361.42	63.79	50.48	50.50	0.02	NA	NA	NA	3310.94	No Sock
RW-3	08/28/07	3361.42	63.79	49.98	50.71	0.73	Hand Bailed	0.75	9.00	3311.33	
RW-3	08/28/07	3361.42	63.79	50.60	50.62	0.02	NA	NA	NA	3310.82	No Sock
RW-3	09/06/07	3361.42	63.79	49.68	50.22	0.54	Hand Bailed	0.50	9.00	3311.66	
RW-3	09/06/07	3361.42	63.79	ND	50.26	ND	NA	NA	NA	3311.16	No Sock
RW-3	09/13/07	3361.42	63.79	49.72	50.25	0.53	Hand Bailed	0.50	9.00	3311.62	
RW-3	09/13/07	3361.42	63.79	50.28	50.31	0.03	NA	NA	NA	3311.14	No Sock
RW-3	09/18/07	3361.42	63.79	49.70	50.20	0.50	Hand Bailed	0.50	9.00	3311.65	
RW-3	09/18/07	3361.42	63.79	ND	50.26	ND	NA	NA	NA	3311.16	No Sock
RW-3	09/26/07	3361.42	63.79	49.78	50.28	0.50	Hand Bailed	0.50	9.00	3311.57	
RW-3	09/26/07	3361.42	63.79	50.43	50.46	0.03	NA	NA	NA	3310.99	No Sock
RW-3	10/04/07	3361.42	63.79	49.84	50.39	0.55	Hand Bailed	0.50	9.00	3311.50	
RW-3	10/04/07	3361.42	63.79	50.52	50.58	0.06	NA	NA	NA	3310.89	No Sock
RW-3	10/10/07	3361.42	63.79	49.75	50.22	0.47	Hand Bailed	0.50	9.00	3311.60	
RW-3	10/10/07	3361.42	63.79	50.36	50.39	0.03	NA	NA	NA	3311.06	No Sock
RW-3	10/17/07	3361.42	63.79	49.72	50.24	0.52	Hand Bailed	0.50	9.00	3311.62	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	10/17/07	3361.42	63.79	50.30	50.34	0.04	NA	NA	NA	3311.11	No Sock
RW-3	10/24/07	3361.42	63.79	49.76	50.16	0.40	Hand Bailed	0.50	50.00	3311.60	
RW-3	10/24/07	3361.42	63.79	ND	50.10	ND	NA	NA	NA	3311.32	No Sock
RW-3	10/31/07	3361.42	63.79	49.78	49.90	0.12	Hand Bailed	0.50	10.00	3311.62	
RW-3	10/31/07	3361.42	63.79	ND	50.32	ND	NA	NA	NA	3311.10	No Sock
RW-3	11/07/07	3361.42	63.79	49.26	49.28	0.02	Hand Bailed	0.25	9.00	3312.16	
RW-3	11/07/07	3361.42	63.79	50.20	50.24	0.04	NA	NA	NA	3311.21	No Sock
RW-3	11/13/07	3361.42	63.79	49.78	49.94	0.16	NA	NA	NA	3311.62	Installed Sock
RW-3	11/20/07	3361.42	63.79	49.88	49.90	0.02	NA	NA	NA	3311.54	Flipped Sock
RW-3	11/27/07	3361.42	63.79	49.91	49.93	0.02	Hand Bailed	0.25	8.00	3311.51	
RW-3	11/27/07	3361.42	63.79	ND	50.20	ND	NA	NA	NA	3311.22	Sock
RW-3	12/05/07	3361.42	63.79	49.60	49.61	0.01	Hand Bailed	0.25	8.00	3311.82	
RW-3	12/05/07	3361.42	63.79	ND	49.89	ND	NA	NA	NA	3311.53	New sock
RW-3	12/12/07	3361.42	63.79	49.57	49.59	0.02	Hand Bailed	0.25	8.00	3311.85	
RW-3	12/12/07	3361.42	63.79	ND	49.62	ND	NA	NA	NA	3311.80	Sock
RW-3	12/18/07	3361.42	63.79	ND	49.96	ND	Hand Bailed	0.00	10.00	3311.46	
RW-3	12/18/07	3361.42	63.79	ND	51.58	ND	NA	NA	NA	3309.84	New sock
RW-3	12/27/07	3361.42	63.79	ND	49.84	ND	Hand Bailed	0.00	9.00	3311.58	
RW-3	12/27/07	3361.42	63.79	ND	51.58	ND	NA	NA	NA	3309.84	New sock
RW-3	01/03/08	3361.42	63.79	ND	49.87	ND	Hand Bailed	0.00	5.00	3311.55	
RW-3	01/03/08	3361.42	63.79	ND	50.29	ND	NA	NA	NA	3311.13	New sock
RW-3	01/09/08	3361.42	63.79	ND	49.90	ND	Hand Bailed	0.00	10.00	3311.52	
RW-3	01/09/08	3361.42	63.79	ND	51.75	ND	NA	NA	NA	3309.67	New sock
RW-3	01/17/08	3361.42	63.79	ND	49.85	ND	Hand Bailed	0.00	10.00	3311.57	
RW-3	01/17/08	3361.42	63.79	ND	51.12	ND	NA	NA	NA	3310.30	New sock
RW-3	01/23/08	3361.42	63.79	ND	49.88	ND	NA	NA	NA	3311.54	New sock
RW-3	01/30/08	3361.42	63.79	ND	49.81	ND	Hand Bailed	0.00	20.00	3311.61	
RW-3	01/30/08	3361.42	63.79	ND	51.68	ND	NA	NA	NA	3309.74	Sock
RW-3	02/06/08	3361.42	63.79	ND	49.82	ND	Hand Bailed	0.00	20.00	3311.60	
RW-3	02/06/08	3361.42	63.79	ND	51.60	ND	NA	NA	NA	3309.82	Sock
RW-3	02/13/08	3361.42	63.79	ND	49.81	ND	Hand Bailed	0.00	20.00	3311.61	
RW-3	02/13/08	3361.42	63.79	ND	51.50	ND	NA	NA	NA	3309.92	New sock
RW-3	02/18/08	3361.42	63.79	ND	49.80	ND	Hand Bailed	0.00	20.00	3311.62	
RW-3	02/18/08	3361.42	63.79	ND	50.58	ND	NA	NA	NA	3310.84	New sock
RW-3	02/27/08	3361.42	63.79	ND	49.87	ND	Hand Bailed	0.00	20.00	3311.55	
RW-3	02/27/08	3361.42	63.79	ND	49.75	ND	NA	NA	NA	3311.67	New sock
RW-3	03/04/08	3361.42	63.79	ND	48.78	ND	Hand Bailed	0.00	20.00	3312.64	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	03/04/08	3361.42	63.79	ND	50.82	ND	NA	NA	NA	3310.60	New sock
RW-3	03/12/08	3361.42	63.79	ND	49.87	ND	Hand Bailed	0.00	20.00	3311.55	
RW-3	03/12/08	3361.42	63.79	ND	51.45	ND	NA	NA	NA	3309.97	New sock
RW-3	03/19/08	3361.42	63.79	ND	49.90	ND	Hand Bailed	0.00	20.00	3311.52	
RW-3	03/19/08	3361.42	63.79	ND	51.83	ND	NA	NA	NA	3309.59	New sock
RW-3	03/26/08	3361.42	63.79	ND	49.85	ND	Hand Bailed	0.00	20.00	3311.57	
RW-3	03/26/08	3361.42	63.79	ND	51.05	ND	NA	NA	NA	3310.37	New sock
RW-3	04/02/08	3361.42	63.79	ND	49.98	ND	Hand Bailed	0.00	20.00	3311.44	
RW-3	04/02/08	3361.42	63.79	ND	50.43	ND	NA	NA	NA	3310.99	Pump
RW-3	04/09/08	3361.42	63.79	ND	49.74	ND	Hand Bailed	0.00	20.00	3311.68	
RW-3	04/09/08	3361.42	63.79	ND	50.99	ND	NA	NA	NA	3310.43	Pump
RW-3	04/16/08	3361.42	63.79	ND	49.78	ND	Hand Bailed	0.00	20.00	3311.64	
RW-3	04/16/08	3361.42	63.79	ND	50.65	ND	NA	NA	NA	3310.77	Pump
RW-3	04/24/08	3361.42	63.79	ND	49.85	ND	NA	NA	NA	3311.57	
RW-3	04/30/08	3361.42	63.79	ND	49.84	ND	Pumped	0.00	20.00	3311.58	
RW-3	04/30/08	3361.42	63.79	ND	51.80	ND	NA	NA	NA	3309.62	
RW-3	05/07/08	3361.42	63.79	ND	49.89	ND	Pumped	0.00	20.00	3311.53	
RW-3	05/07/08	3361.42	63.79	50.26	51.80	1.54	NA	NA	NA	3310.93	Sock
RW-3	05/14/08	3361.42	63.79	49.86	49.94	0.08	Pumped	0.25	19.00	3311.55	
RW-3	05/14/08	3361.42	63.79	ND	50.41	ND	NA	NA	NA	3311.01	Sock
RW-3	05/22/08	3361.42	63.79	49.91	49.92	0.01	Pumped	0.00	20.00	3311.51	
RW-3	05/22/08	3361.42	63.77	ND	50.30	ND	NA	NA	NA	3311.12	Sock
RW-3	05/28/08	3361.42	63.77	50.00	50.25	0.25	Pumped	0.50	26.50	3311.38	
RW-3	05/28/08	3361.42	63.77	ND	50.50	ND	NA	NA	NA	3310.92	New sock
RW-3	06/04/08	3361.42	63.77	50.07	50.22	0.15	Pumped	0.50	19.00	3311.33	
RW-3	06/04/08	3361.42	63.77	ND	50.86	ND	NA	NA	NA	3310.56	New sock
RW-3	06/11/08	3361.42	63.77	50.11	50.27	0.16	Pumped	0.50	19.00	3311.29	
RW-3	06/11/08	3361.42	63.77	ND	50.92	ND	NA	NA	NA	3310.50	New sock
RW-3	06/18/08	3361.42	63.77	50.10	50.27	0.17	Pumped	0.50	19.00	3311.29	
RW-3	06/18/08	3361.42	63.77	ND	51.03	ND	NA	NA	NA	3310.39	New sock
RW-3	06/26/08	3361.42	63.77	50.18	50.23	0.05	Pumped	0.50	19.00	3311.23	
RW-3	06/26/08	3361.42	63.77	ND	51.51	ND	NA	NA	NA	3309.91	New sock
RW-3	07/02/08	3361.42	63.77	50.21	50.22	0.01	Pumped	0.25	19.00	3311.21	
RW-3	07/02/08	3361.42	63.77	ND	51.03	ND	NA	NA	NA	3310.39	New sock
RW-3	07/07/08	3361.42	63.77	ND	50.03	ND	Pumped	0.00	20.00	3311.39	
RW-3	07/07/08	3361.42	63.77	ND	50.26	ND	NA	NA	NA	3311.16	New sock
RW-3	07/16/08	3361.42	63.77	ND	50.10	ND	Pumped	0.00	20.00	3311.32	

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RW-3	07/16/08	3361.42	63.77	ND	50.53	ND	NA	NA	NA	3310.89	Flipped Sock
RW-3	07/22/08	3361.42	63.77	50.11	50.14	0.03	Pumped	0.00	20.00	3311.31	
RW-3	07/22/08	3361.42	63.77	ND	50.63	ND	NA	NA	NA	3310.79	New sock
RW-3	07/29/08	3361.42	63.77	50.16	50.17	0.01	Pumped	0.00	20.00	3311.26	
RW-3	07/29/08	3361.42	63.77	ND	51.39	ND	NA	NA	NA	3310.03	Sock
RW-3	08/06/08	3361.42	63.77	ND	50.15	ND	Pumped	0.00	20.00	3311.27	
RW-3	08/06/08	3361.42	63.77	ND	50.81	ND	NA	NA	NA	3310.61	Sock
RW-3	08/13/08	3361.42	63.77	50.13	50.24	0.11	Pumped	0.00	5.00	3311.27	
RW-3	08/13/08	3361.42	63.77	ND	50.86	ND	NA	NA	NA	3310.56	New sock
RW-3	08/18/08	3361.42	63.77	DNG	50.86	DNG	NA	NA	NA	3310.56	Sock
RW-3	08/27/08	3361.42	63.77	ND	50.32	ND	NA	NA	NA	3311.10	New sock
RW-3	09/02/08	3361.42	63.77	ND	50.37	ND	NA	NA	NA	3311.05	Sock
RW-3	09/09/08	3361.42	63.77	ND	50.36	ND	NA	NA	NA	3311.06	Sock
RW-3	09/16/08	3361.42	63.77	ND	50.22	ND	Pumped	0.00	10.00	3311.20	
RW-3	09/16/08	3361.42	63.77	ND	52.60	ND	NA	NA	NA	3308.82	Sock
RW-3	09/24/08	3361.42	63.77	ND	49.98	ND	Pumped	0.00	10.00	3311.44	
RW-3	09/24/08	3361.42	63.77	ND	51.92	ND	NA	NA	NA	3309.50	New sock
RW-3	10/01/08	3361.42	63.77	ND	49.72	ND	Pumped	0.00	10.00	3311.70	
RW-3	10/01/08	3361.42	63.77	ND	52.01	ND	NA	NA	NA	3309.41	Sock
RW-3	10/08/08	3361.42	63.77	50.49	50.51	0.02	Pumped	0.50	11.50	3310.93	
RW-3	10/08/08	3361.42	63.77	ND	52.25	ND	NA	NA	NA	3309.17	Sock
RW-3	10/15/08	3361.42	63.77	ND	50.14	ND	NA	NA	NA	3311.28	Sock
RW-3	10/22/08	3361.42	63.77	ND	50.09	ND	Pumped	0.00	20.00	3311.33	
RW-3	10/22/08	3361.42	63.77	ND	49.51	ND	NA	NA	NA	3311.91	
RW-3	10/29/08	3361.42	63.77	ND	50.14	ND	Pumped	0.00	10.00	3311.28	
RW-3	10/29/08	3361.42	63.77	ND	52.19	ND	NA	NA	NA	3309.23	
RW-3	11/05/08	3361.42	63.77	ND	50.06	ND	Pumped	0.00	21.00	3311.36	
RW-3	11/05/08	3361.42	63.77	ND	51.27	ND	NA	NA	NA	3310.15	
RW-3	11/12/08	3361.42	63.77	ND	49.97	ND	NA	NA	NA	3311.45	
RW-3	11/19/08	3361.42	63.77	ND	49.98	ND	Pumped	0.00	10.00	3311.44	
RW-3	11/19/08	3361.42	63.77	ND	52.16	ND	NA	NA	NA	3309.26	
RW-3	11/26/08	3361.42	63.77	49.92	50.09	0.17	Pumped	1.00	24.00	3311.47	
RW-3	11/26/08	3361.42	63.77	ND	50.06	ND	NA	NA	NA	3311.36	Sock
RW-3	12/03/08	3361.42	63.77	ND	50.13	ND	Pumped	0.00	25.00	3311.29	
RW-3	12/03/08	3361.42	63.77	ND	50.12	ND	NA	NA	NA	3311.30	
RW-3	12/10/08	3361.42	63.77	ND	50.14	ND	Pumped	0.00	30.00	3311.28	
RW-3	12/10/08	3361.42	63.77	ND	50.10	ND	NA	NA	NA	3311.32	Flipped Sock

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	12/17/08	3361.42	63.77	ND	50.13	ND		0.00	25.00	3311.29	New sock
RW-3	12/17/08	3361.42	63.77	ND	50.12	ND	NA	NA	NA	3311.30	
RW-3	12/21/08	3361.42	63.77	49.95	50.10	0.15		0.25	14.75	3311.45	No Sock
RW-3	12/21/08	3361.42	63.77	ND	52.74	ND	NA	NA	NA	3308.68	
RW-3	12/31/08	3361.42	63.77	49.98	50.20	0.22		0.25	20.75	3311.41	
RW-3	12/31/08	3361.42	63.77	ND	50.23	ND	NA	NA	NA	3311.19	
RW-3	01/07/09	3361.42	63.62	49.90	50.05	0.15	Hand Bailed	0.25	9.75	3311.50	
RW-3	01/07/09	3361.42	63.62	ND	50.34	ND	NA	NA	NA	3311.08	
RW-3	01/15/09	3361.42	63.62	49.97	50.25	0.28	Pumped	0.75	14.25	3311.41	
RW-3	01/15/09	3361.42	63.62	50.10	50.14	0.04	NA	NA	NA	3311.31	
RW-3	01/22/09	3361.42	63.62	49.87	50.16	0.29	Hand Bailed	1.00	14.00	3311.51	No Sock
RW-3	01/22/09	3361.42	63.62	ND	50.06	ND	NA	NA	NA	3311.36	
RW-3	01/28/09	3361.42	63.62	49.88	50.14	0.26	Pumped	0.25	9.75	3311.50	
RW-3	01/28/09	3361.42	63.62	ND	50.02	ND	NA	NA	NA	3311.40	
RW-3	02/04/09	3361.42	63.66	49.97	50.15	0.18	Pumped	0.50	14.50	3311.42	
RW-3	02/04/09	3361.42	63.66	ND	50.35	ND	NA	NA	NA	3311.07	
RW-3	02/11/09	3361.42	63.66	49.96	50.07	0.11	Pumped	0.25	19.75	3311.44	
RW-3	02/11/09	3361.42	63.66	ND	50.11	ND	NA	NA	NA	3311.31	
RW-3	02/17/09	3361.42	63.66	49.89	50.08	0.19	Pumped	0.50	34.50	3311.50	
RW-3	02/17/09	3361.42	63.66	49.94	49.96	0.02	NA	NA	NA	3311.48	
RW-3	02/25/09	3361.42	63.66	49.94	50.11	0.17	Pumped	0.50	19.50	3311.45	
RW-3	02/25/09	3361.42	63.66	50.05	50.06	0.01	NA	NA	NA	3311.37	
RW-3	03/04/09	3361.42	63.66	49.88	50.10	0.22	Pumped	1.00	19.00	3311.51	
RW-3	03/04/09	3361.42	63.66	ND	50.13	ND	NA	NA	NA	3311.29	
RW-3	03/11/09	3361.42	63.66	50.00	50.13	0.13	Pumped	0.25	19.75	3311.40	
RW-3	03/11/09	3361.42	63.66	ND	50.35	ND	NA	NA	NA	3311.07	
RW-3	03/18/09	3361.42	63.66	49.89	50.01	0.12	Pumped	0.10	9.90	3311.51	
RW-3	03/18/09	3361.42	63.66	ND	50.16	ND	NA	NA	NA	3311.26	
RW-3	03/25/09	3361.42	63.66	ND	49.89	ND	Pumped	0.00	22.00	3311.53	
RW-3	03/25/09	3361.42	63.66	ND	51.34	ND	NA	NA	NA	3310.08	
RW-3	04/01/09	3361.42	63.66	ND	49.99	ND	NA	NA	NA	3311.43	Flipped Sock
RW-3	04/08/09	3361.42	63.66	ND	50.05	ND	Pumped	0.00	15.00	3311.37	
RW-3	04/08/09	3361.42	63.66	ND	50.20	ND	NA	NA	NA	3311.22	
RW-3	04/15/09	3361.42	63.66	ND	50.04	ND	Pumped	0.00	10.00	3311.38	
RW-3	04/15/09	3361.42	63.66	ND	51.73	ND	NA	NA	NA	3309.69	
RW-3	04/22/09	3361.42	63.66	50.13	50.14	0.01	NA	NA	NA	3311.29	
RW-3	04/29/09	3361.42	63.66	ND	50.00	ND	Pumped	0.00	10.00	3311.42	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	04/29/09	3361.42	63.66	ND	50.17	ND	NA	NA	NA	3311.25	
RW-3	05/06/09	3361.42	63.66	ND	50.01	ND	Pumped	0.00	15.00	3311.41	
RW-3	05/06/09	3361.42	63.66	ND	51.38	ND	NA	NA	NA	3310.04	
RW-3	05/14/09	3361.42	63.66	ND	50.12	ND	NA	NA	NA	3311.30	
RW-3	05/14/09	3361.42	63.66	ND	51.16	ND	Pumped	0.00	15.00	3310.26	
RW-3	05/19/09	3361.42	63.66	ND	50.06	ND	Pumped	0.00	30.00	3311.36	
RW-3	05/27/09	3361.42	63.66	ND	50.07	ND	NA	NA	NA	3311.35	
RW-3	05/27/09	3361.42	63.66	ND	51.22	ND	Pumped	0.00	15.00	3310.20	
RW-3	06/03/09	3361.42	63.66	ND	50.73	ND	NA	NA	NA	3310.69	
RW-3	06/03/09	3361.42	63.66	ND	51.43	ND	Pumped	0.00	15.00	3309.99	
RW-3	06/11/09	3361.42	63.66	ND	50.22	ND	NA	NA	NA	3311.20	
RW-3	06/11/09	3361.42	63.66	ND	51.33	ND	Pumped	0.00	15.00	3310.09	
RW-3	06/17/09	3361.42	63.66	ND	50.25	ND	NA	NA	NA	3311.17	
RW-3	06/23/09	3361.42	63.66	ND	50.31	ND	NA	NA	NA	3311.11	
RW-3	07/01/09	3361.42	63.66	ND	50.19	ND	NA	NA	NA	3311.23	Flipped Sock
RW-3	07/07/09	3361.42	63.66	ND	50.19	ND	NA	NA	NA	3311.23	Flipped Sock
RW-3	07/07/09	3361.42	63.66	ND	50.13	ND	NA	NA	NA	3311.29	
RW-3	07/15/09	3361.42	63.66	50.13	50.15	0.02	NA	NA	NA	3311.29	New sock
RW-3	07/29/09	3361.42	63.66	ND	50.22	ND	NA	NA	NA	3311.20	Flipped Sock
RW-3	08/05/09	3361.42	63.66	ND	50.18	ND	NA	NA	NA	3311.24	New Sock
RW-3	08/12/09	3361.42	63.66	ND	50.15	ND	NA	NA	NA	3311.27	
RW-3	08/19/09	3361.42	63.66	50.13	50.15	0.02	Pumped	0.25	9.75	3311.29	Flipped Sock
RW-3	08/19/09	3361.42	63.66	ND	52.50	ND	NA	NA	NA	3308.92	
RW-3	08/26/09	3361.42	63.66	50.29	50.33	0.04	NA	NA	NA	3311.12	
RW-3	09/02/09	3361.42	63.66	50.10	50.18	0.08	Pumped	0.25	9.75	3311.31	
RW-3	09/02/09	3361.42	63.66	ND	52.58	ND	NA	NA	NA	3308.84	
RW-3	09/09/09	3361.42	63.66	ND	50.21	ND	Pumped	0.10	9.90	3311.21	
RW-3	09/09/09	3361.42	63.66	ND	51.49	ND	NA	NA	NA	3309.93	
RW-3	09/16/09	3361.42	63.66	ND	50.28	ND	NA	NA	NA	3311.14	
RW-3	09/23/09	3361.42	63.66	50.15	50.20	0.05	Pumped	0.25	19.75	3311.26	
RW-3	09/23/09	3361.42	63.66	ND	51.73	ND	NA	NA	NA	3309.69	New Sock
RW-3	09/30/09	3361.42	63.66	ND	50.28	ND	NA	NA	NA	3311.14	
RW-3	10/07/09	3361.42	63.66	ND	50.34	ND	Pumped	0.00	10.00	3311.08	Flipped Sock
RW-3	10/07/09	3361.42	63.66	ND	51.02	ND	NA	NA	NA	3310.40	
RW-3	10/14/09	3361.42	63.66	ND	50.35	ND	Pumped	0.00	10.00	3311.07	New Sock
RW-3	10/14/09	3361.42	63.66	ND	52.16	ND	NA	NA	NA	3309.26	
RW-3	10/21/09	3361.42	63.66	ND	50.36	ND	NA	NA	NA	3311.06	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	10/28/09	3361.42	63.66	ND	50.69	ND	Pumped	0.00	20.00	3310.73	
RW-3	10/28/09	3361.42	63.66	ND	51.80	ND	NA	NA	NA	3309.62	
RW-3	11/04/09	3361.42	63.66	50.21	50.26	0.05	Pumped	0.10	9.90	3311.20	
RW-3	11/04/09	3361.42	63.66	ND	50.75	ND	NA	NA	NA	3310.67	
RW-3	11/11/09	3361.42	63.66	50.20	50.27	0.07	Pumped	0.10	9.90	3311.21	
RW-3	11/11/09	3361.42	63.66	ND	51.29	ND	NA	NA	NA	3310.13	
RW-3	11/18/09	3361.42	63.66	50.13	50.23	0.10	Pumped	0.10	19.90	3311.28	
RW-3	11/18/09	3361.42	63.66	ND	51.69	ND	NA	NA	NA	3309.73	
RW-3	11/25/09	3361.42	63.66	50.20	50.29	0.09	Pumped	0.10	9.90	3311.21	
RW-3	11/25/09	3361.42	63.66	ND	51.20	ND	NA	NA	NA	3310.22	
RW-3	12/02/09	3361.42	63.66	50.19	50.26	0.07	Pumped	0.10	9.90	3311.22	
RW-3	12/02/09	3361.42	63.66	ND	51.85	ND	NA	NA	NA	3309.57	
RW-3	12/09/09	3361.42	63.66	50.20	50.33	0.13	Pumped	0.10	9.90	3311.20	
RW-3	12/09/09	3361.42	63.66	ND	52.01	ND	NA	NA	NA	3309.41	
RW-3	12/16/09	3361.42	63.66	50.24	50.37	0.13	Pumped	0.10	9.90	3311.16	
RW-3	12/16/09	3361.42	63.66	ND	51.93	ND	NA	NA	NA	3309.49	
RW-3	12/23/09	3361.42	63.66	50.15	50.20	0.05	Pumped	0.10	14.90	3311.26	
RW-3	12/23/09	3361.42	63.66	ND	50.85	ND	NA	NA	NA	3310.57	
RW-3	12/30/09	3361.42	63.66	50.16	50.23	0.07	Pumped	0.10	9.90	3311.25	
RW-3	12/30/09	3361.42	63.66	ND	51.34	ND	NA	NA	NA	3310.08	
RW-3	01/06/10	3361.42	63.66	50.15	50.21	0.06	Pumped	0.10	9.90	3311.26	
RW-3	01/06/10	3361.42	63.66	ND	50.96	ND	NA	NA	NA	3310.46	
RW-3	01/13/10	3361.42	63.66	50.17	50.22	0.05	Pumped	0.10	9.90	3311.24	
RW-3	01/13/10	3361.42	63.66	ND	51.17	ND	NA	NA	NA	3310.25	
RW-3	01/20/10	3361.42	63.66	50.08	50.12	0.04	Pumped	0.10	19.90	3311.33	
RW-3	01/20/10	3361.42	63.66	ND	51.00	ND	NA	NA	NA	3310.42	
RW-3	01/27/10	3361.42	63.66	50.18	50.26	0.08	Pumped	0.10	9.90	3311.23	
RW-3	01/27/10	3361.42	63.66	ND	51.15	ND	NA	NA	NA	3310.27	
RW-3	02/11/10	3361.42	63.66	50.13	50.20	0.07	Pumped	0.10	9.90	3311.28	
RW-3	02/11/10	3361.42	63.66	ND	51.22	ND	NA	NA	NA	3310.20	
RW-3	02/17/10	3361.42	63.66	50.15	50.21	0.06	Pumped	0.10	9.90	3311.26	
RW-3	02/17/10	3361.42	63.66	ND	51.51	ND	NA	NA	NA	3309.91	
RW-3	03/10/10	3361.42	63.66	50.02	50.08	0.06	Pumped	0.10	9.90	3311.39	
RW-3	03/10/10	3361.42	63.66	ND	50.91	ND	NA	NA	NA	3310.51	
RW-3	03/17/10	3361.42	63.66	50.10	50.22	0.12	Pumped	0.10	14.90	3311.30	
RW-3	03/17/10	3361.42	63.66	ND	51.05	ND	NA	NA	NA	3310.37	
RW-3	03/24/10	3361.42	63.66	50.05	50.14	0.09	Pumped	0.10	9.90	3311.36	

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RW-3	03/24/10	3361.42	63.66	ND	51.10	ND	NA	NA	NA	3310.32	
RW-3	03/31/10	3361.42	63.66	50.00	50.07	0.07	NA	NA	NA	3311.41	
RW-3	04/07/10	3361.42	63.66	50.06	50.15	0.09	Pumped	0.10	9.90	3311.35	
RW-3	04/07/10	3361.42	63.66	ND	53.80	ND	NA	NA	NA	3307.62	
RW-3	04/14/10	3361.42	63.66	50.02	50.06	0.04	NA	NA	NA	3311.39	
RW-3	04/21/10	3361.42	63.66	49.94	49.99	0.05	Pumped	0.10	9.90	3311.47	
RW-3	04/21/10	3361.42	63.66	ND	50.84	ND	NA	NA	NA	3310.58	
RW-3	04/28/10	3361.42	63.66	49.98	50.05	0.07	Pumped	0.10	9.90	3311.43	
RW-3	04/28/10	3361.42	63.66	ND	50.92	ND	NA	NA	NA	3310.50	
RW-3	04/28/10	3361.42	63.66	49.98	50.05	0.07	Pumped	0.10	9.90	3311.43	
RW-3	04/28/10	3361.42	63.66	ND	50.92	ND	NA	NA	NA	3310.50	
RW-3	05/05/10	3361.42	63.66	50.03	50.06	0.03	Hand Bailed	0.10	9.90	3311.39	
RW-3	05/05/10	3361.42	63.66	ND	50.51	ND	NA	NA	NA	3310.91	
RW-3	05/11/10	3361.42	63.66	49.96	50.10	0.14		0.10	26.90	3311.44	
RW-3	05/11/10	3361.42	63.66	ND	51.01	ND	NA	NA	NA	3310.41	
RW-3	05/19/10	3361.42	63.66	50.04	50.10	0.06	Pumped	0.10	26.90	3311.37	
RW-3	05/19/10	3361.42	63.66	ND	51.19	ND	NA	NA	NA	3310.23	
RW-3	05/29/10	3361.42	63.66	50.02	50.12	0.10	Pumped	0.10	9.90	3311.39	
RW-3	05/29/10	3361.42	63.66	ND	51.20	ND	NA	NA	NA	3310.22	
RW-3	06/02/10	3361.42	63.66	50.01	50.09	0.08	Pumped	0.10	9.90	3311.40	
RW-3	06/02/10	3361.42	63.66	ND	51.48	ND	NA	NA	NA	3309.94	
RW-3	06/12/10	3361.42	63.66	50.08	50.12	0.04	Pumped	0.10	9.90	3311.33	
RW-3	06/12/10	3361.42	63.66	ND	51.30	ND	NA	NA	NA	3310.12	
RW-3	06/15/10	3361.42	63.66	50.00	50.07	0.07	Pumped	0.10	9.90	3311.41	
RW-3	06/15/10	3361.42	63.66	ND	51.80	ND	NA	NA	NA	3309.62	
RW-3	06/25/10	3361.42	63.66	50.04	50.10	0.06	NA	NA	NA	3311.37	
RW-3	07/07/10	3361.42	63.66	50.06	50.12	0.06	NA	NA	NA	3311.35	
RW-3	07/14/10	3361.42	63.66	50.06	50.11	0.05	NA	NA	NA	3311.35	
RW-3	07/21/10	3361.42	63.66	50.07	50.13	0.06	Pumped	0.10	9.90	3311.34	
RW-3	07/21/10	3361.42	63.66	ND	51.14	ND	NA	NA	NA	3310.28	
RW-3	07/28/10	3361.42	63.66	ND	50.05	ND	NA	NA	NA	3311.37	
RW-3	08/03/10	3361.42	63.66	50.02	50.03	0.01	NA	NA	NA	3311.40	
RW-3	08/11/10	3361.42	63.66	50.03	50.10	0.07	NA	NA	NA	3311.38	
RW-3	08/18/10	3361.42	63.66	50.03	50.09	0.06	Pumped	0.10	9.90	3311.38	
RW-3	08/18/10	3361.42	63.66	ND	52.70	ND	NA	NA	NA	3308.72	
RW-3	08/25/10	3361.42	63.66	50.06	50.11	0.05	Pumped	0.10	9.90	3311.35	
RW-3	08/25/10	3361.42	63.66	ND	52.42	ND	NA	NA	NA	3309.00	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	09/01/10	3361.42	63.66	49.98	50.03	0.05	NA	NA	NA	3311.43	
RW-3	09/08/10	3361.42	63.66	50.05	50.10	0.05	NA	NA	NA	3311.36	
RW-3	09/15/10	3361.42	63.66	50.04	50.09	0.05	Pumped	0.10	4.90	3311.37	
RW-3	09/15/10	3361.42	63.66	ND	52.08	ND	NA	NA	NA	3309.34	
RW-3	09/21/10	3361.42	63.66	49.99	50.02	0.03	NA	NA	NA	3311.43	
RW-3	10/01/10	3361.42	63.66	50.09	50.12	0.03	NA	NA	NA	3311.33	
RW-3	10/06/10	3361.42	63.66	50.10	50.13	0.03	Pumped	0.10	9.90	3311.32	
RW-3	10/06/10	3361.42	63.66	ND	51.08	ND	NA	NA	NA	3310.34	
RW-3	10/13/10	3361.42	63.66	50.09	50.16	0.07	Pumped	0.10	9.90	3311.32	
RW-3	10/13/10	3361.42	63.66	ND	51.67	ND	NA	NA	NA	3309.75	
RW-3	10/22/10	3361.42	63.66	50.01	50.08	0.07	NA	NA	NA	3311.40	
RW-3	10/27/10	3361.42	63.66	49.98	50.06	0.08	NA	NA	NA	3311.43	
RW-3	11/03/10	3361.42	63.66	50.06	50.18	0.12	Pumped	0.10	9.90	3311.34	
RW-3	11/03/10	3361.42	63.66	51.24	51.24	0.00	NA	NA	NA	3310.18	
RW-3	11/10/10	3361.42	63.66	49.91	49.99	0.08	NA	NA	NA	3311.50	
RW-3	11/16/10	3361.42	63.66	50.01	50.08	0.07	Pumped	0.10	9.90	3311.40	
RW-3	11/16/10	3361.42	63.66	51.44	51.44	0.00	NA	NA	NA	3309.98	
RW-3	11/23/10	3361.42	63.66	49.93	50.03	0.10	Pumped	0.10	9.90	3311.48	
RW-3	11/23/10	3361.42	63.66	ND	51.70	ND	NA	NA	NA	3309.72	
RW-3	12/01/10	3361.42	63.66	49.89	49.90	0.01	NA	NA	NA	3311.53	
RW-3	12/08/10	3361.42	63.66	49.98	50.05	0.07	Pumped	0.10	9.90	3311.43	
RW-3	12/08/10	3361.42	63.66	ND	52.94	ND	NA	NA	NA	3308.48	
RW-3	12/15/10	3361.42	63.66	49.84	49.90	0.06	Pumped	0.10	9.90	3311.57	
RW-3	12/15/10	3361.42	63.66	ND	51.68	ND	NA	NA	NA	3309.74	
RW-3	12/21/10	3361.42	63.66	49.94	49.97	0.03	Pumped	0.10	9.90	3311.48	
RW-3	12/21/10	3361.42	63.66	ND	51.02	ND	NA	NA	NA	3310.40	
RW-3	12/28/10	3361.42	63.66	DNG	DNG	DNG	Pumped	0.10	9.90	DNG	
RW-3	01/08/11	3361.93	63.66	49.88	49.90	0.02	NA	N/A	N/A	3312.05	
RW-3	01/12/11	3361.93	63.66	49.97	50.03	0.06		0.10	9.90	3311.95	
RW-3	01/12/11	3361.93	63.66	ND	50.83	ND	NA	NA	NA	3311.10	
RW-3	01/19/11	3361.93	63.66	49.83	49.93	0.10		0.10	9.90	3312.09	
RW-3	01/19/11	3361.93	63.66	ND	50.89	ND	NA	NA	NA	3311.04	
RW-3	01/25/11	3361.93	63.66	49.91	49.98	0.07		0.20	9.80	3312.01	
RW-3	01/25/11	3361.93	63.66	ND	50.24	ND	NA	NA	NA	3311.69	
RW-3	02/04/11	3361.93	63.66	49.86	49.90	0.04	NA	NA	NA	3312.06	
RW-3	02/08/11	3361.93	63.66	49.80	49.84	0.04		0.10	9.90	3312.12	
RW-3	02/08/11	3361.93	63.66	ND	51.92	ND	NA	NA	NA	3310.01	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	02/16/11	3361.93	63.66	49.83	49.90	0.07		0.10	9.90	3312.09	
RW-3	02/16/11	3361.93	63.66	ND	50.40	ND	NA	NA	NA	3311.53	
RW-3	02/23/11	3361.93	63.66	49.85	49.89	0.04		0.10	9.90	3312.07	
RW-3	02/23/11	3361.93	63.66	ND	51.54	ND	NA	NA	NA	3310.39	
RW-3	03/02/11	3361.93	63.66	49.86	49.92	0.06		0.00	10.00	3312.06	
RW-3	03/02/11	3361.93	63.66	ND	51.00	ND	NA	NA	NA	3310.93	
RW-3	03/08/11	3361.93	63.66	49.83	49.85	0.02	Hand Bailed	0.10	4.90	3312.10	
RW-3	03/08/11	3361.93	63.66	ND	50.91	ND	NA	NA	NA	3311.02	
RW-3	03/16/11	3361.93	63.66	49.87	50.00	0.13		0.10	4.90	3312.04	
RW-3	03/16/11	3361.93	63.66	ND	51.02	ND	NA	NA	NA	3310.91	
RW-3	03/23/11	3361.93	63.66	49.90	50.02	0.12		0.10	4.90	3312.01	
RW-3	03/23/11	3361.93	63.66	ND	50.36	ND	NA	NA	NA	3311.57	
RW-3	03/30/11	3361.93	63.66	49.85	49.95	0.10		0.10	9.90	3312.07	
RW-3	03/30/11	3361.93	63.66	ND	50.33	ND	NA	NA	NA	3311.60	
RW-3	04/08/11	3361.93	63.66	49.82	49.88	0.06	NA	NA	NA	3312.10	recovery pump failed
RW-3	04/13/11	3361.93	63.66	49.79	49.84	0.05		0.10	4.90	3312.13	
RW-3	04/13/11	3361.93	63.66	ND	50.80	ND	NA	NA	NA	3311.13	
RW-3	04/20/11	3361.93	63.66	49.87	49.92	0.05	Hand Bailed	0.10	4.90	3312.05	
RW-3	04/20/11	3361.93	63.66	ND	50.52	ND	NA	NA	NA	3311.41	
RW-3	04/27/11	3361.93	63.66	49.93	49.95	0.02	Pumped	0.10	9.90	3312.00	
RW-3	04/27/11	3361.93	63.66	ND	51.93	ND	NA	NA	NA	3310.00	
RW-3	05/04/11	3361.93	63.66	49.83	49.95	0.12		0.10	9.90	3312.08	
RW-3	05/04/11	3361.93	63.66	ND	51.83	ND	NA	NA	NA	3310.10	
RW-3	05/11/11	3361.93	63.66	49.80	49.84	0.04		0.10	0.00	3312.12	
RW-3	05/11/11	3361.93	63.66	ND	51.25	ND	NA	NA	NA	3310.68	
RW-3	05/19/11	3361.93	63.66	49.80	49.84	0.04		0.10	0.00	3312.12	
RW-3	05/19/11	3361.93	63.66	ND	51.41	ND	NA	NA	NA	3310.52	
RW-3	05/24/11	3361.93	63.66	49.80	49.85	0.05		0.10	9.90	3312.12	
RW-3	05/24/11	3361.93	63.66	ND	51.44	ND	NA	NA	NA	3310.49	
RW-3	06/01/11	3361.93	63.66	50.00	50.05	0.05	NA	NA	NA	3311.92	Sampled
RW-3	06/08/11	3361.93	63.66	49.92	49.96	0.04		0.10	9.90	3312.00	
RW-3	06/08/11	3361.93	63.66	ND	50.76	ND	NA	NA	NA	3311.17	
RW-3	06/17/11	3361.93	63.66	49.85	49.95	0.10		0.00	10.00	3312.07	
RW-3	06/17/11	3361.93	63.66	ND	51.06	ND	NA	NA	NA	3310.87	
RW-3	06/21/11	3361.93	63.66	49.86	50.00	0.14		0.10	9.90	3312.05	
RW-3	06/21/11	3361.93	63.66	ND	51.67	ND	NA	NA	NA	3310.26	
RW-3	06/29/11	3361.93	63.66	50.00	50.10	0.10		0.10	9.90	3311.92	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	06/29/11	3361.93	63.66	ND	50.15	ND	NA	NA	NA	3311.78	
RW-3	07/06/11	3361.93	63.66	50.03	50.08	0.05		0.10	4.90	3311.89	
RW-3	07/06/11	3361.93	63.66	ND	50.42	ND	NA	NA	NA	3311.51	
RW-3	07/13/11	3361.93	63.66	50.02	50.09	0.07		0.10	4.90	3311.90	
RW-3	07/13/11	3361.93	63.66	ND	51.43	ND	NA	NA	NA	3310.50	
RW-3	07/20/11	3361.93	63.66	50.03	50.08	0.05		0.10	4.90	3311.89	
RW-3	07/20/11	3361.93	63.66	ND	50.52	ND	NA	NA	NA	3311.41	
RW-3	07/27/11	3361.93	63.66	50.00	50.08	0.08		0.10	9.90	3311.92	
RW-3	07/27/11	3361.93	63.66	ND	50.58	ND	NA	NA	NA	3311.35	
RW-3	08/03/11	3361.93	63.66	50.04	50.24	0.20		0.10	4.90	3311.86	
RW-3	08/03/11	3361.93	63.66	ND	50.88	ND	NA	NA	NA	3311.05	
RW-3	08/11/11	3361.93	63.66	50.06	50.21	0.15	Hand Bailed	0.10	4.90	3311.85	
RW-3	08/11/11	3361.93	63.66	ND	50.70	ND	NA	NA	NA	3311.23	
RW-3	08/16/11	3361.93	63.66	50.02	50.20	0.18		0.10	9.90	3311.88	
RW-3	08/16/11	3361.93	63.66	ND	51.03	ND	NA	NA	NA	3310.90	
RW-3	08/24/11	3361.93	63.66	50.08	50.26	0.18		0.20	9.80	3311.82	
RW-3	08/24/11	3361.93	63.66	ND	51.27	ND	NA	NA	NA	3310.66	
RW-3	08/30/11	3361.93	63.66	50.07	50.17	0.10		0.10	4.90	3311.85	
RW-3	08/30/11	3361.93	63.66	ND	50.83	ND	NA	NA	NA	3311.10	
RW-3	09/07/11	3361.93	63.66	50.12	50.25	0.13		0.10	4.90	3311.79	
RW-3	09/07/11	3361.93	63.66	ND	50.32	ND	NA	NA	NA	3311.61	
RW-3	09/14/11	3361.93	63.66	50.10	50.21	0.11		0.10	4.90	3311.81	
RW-3	09/14/11	3361.93	63.66	ND	50.79	ND	NA	NA	NA	3311.14	
RW-3	09/21/11	3361.93	63.66	50.12	50.30	0.18		0.10	4.90	3311.78	
RW-3	09/21/11	3361.93	63.66	ND	50.78	ND	NA	NA	NA	3311.15	
RW-3	09/28/11	3361.93	63.66	50.09	50.39	0.30		0.10	4.90	3311.80	
RW-3	09/28/11	3361.93	63.66	ND	50.35	ND	NA	NA	NA	3311.58	
RW-3	10/05/11	3361.93	63.66	50.08	50.38	0.30	Pumped	<.25	10.00	3311.81	Clear at 4 gal
RW-3	10/05/11	3361.93	63.66	ND	50.31	ND	NA	NA	NA	3311.62	
RW-3	10/12/11	3361.93	63.66	50.11	50.21	0.10		0.10	9.90	3311.81	
RW-3	10/12/11	3361.93	63.66	ND	50.96	ND	NA	NA	NA	3310.97	
RW-3	10/18/11	3361.93	63.66	50.20	50.28	0.08		0.10	9.90	3311.72	Clear at 3 gal
RW-3	10/18/11	3361.93	63.66	ND	51.43	ND	NA	NA	NA	3310.50	
RW-3	10/28/11	3361.93	63.66	50.19	50.30	0.11		0.10	9.90	3311.72	Clear at 2 gal
RW-3	10/28/11	3361.93	63.66	ND	52.24	ND	NA	NA	NA	3309.69	
RW-3	11/02/11	3361.93	63.66	50.13	50.23	0.10		0.10	4.90	3311.79	Clear at 3 gal
RW-3	11/02/11	3361.93	63.66	ND	51.83	ND	NA	NA	NA	3310.10	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	11/09/11	3361.93	63.66	50.21	50.34	0.13		0.10	9.90	3311.70	
RW-3	11/09/11	3361.93	63.66	ND	51.09	ND	NA	NA	NA	3310.84	
RW-3	11/18/11	3361.93	63.66	50.07	50.21	0.14		<.25	5.00	3311.84	
RW-3	11/18/11	3361.93	63.66	ND	50.56	ND	NA	NA	NA	3311.37	
RW-3	11/23/11	3361.93	63.66	50.16	50.33	0.17	NA	NA	NA	3311.74	
RW-3	11/28/11	3361.93	63.66	50.06	50.30	0.24	NA	NA	NA	3311.83	
RW-3	12/13/11	3361.93	63.66	50.08	50.43	0.35		0.10	4.90	3311.80	
RW-3	12/13/11	3361.93	63.66	ND	50.87	ND	NA	NA	NA	3311.06	
RW-3	12/20/11	3361.93	63.66	50.16	50.32	0.16		0.10	4.90	3311.75	
RW-3	12/20/11	3361.93	63.66	ND	50.74	ND	NA	NA	NA	3311.19	
RW-3	12/27/11	3361.93	63.66	50.18	50.22	0.04	NA	NA	NA	3311.74	
RW-3	01/04/12	3361.93	63.66	50.06	50.32	0.26	Hand Bailed	0.10	5.00	3311.83	
RW-3	01/04/12	3361.93	63.66	ND	50.80	ND	NA	NA	NA	3311.13	
RW-3	01/13/12	3361.93	63.66	50.12	50.20	0.08	NA	NA	NA	3311.80	
RW-3	01/18/12	3361.93	63.66	50.14	50.34	0.20	Pumped	0.10	9.90	3311.76	
RW-3	01/18/12	3361.93	63.66	ND	52.05	ND	NA	NA	NA	3309.88	
RW-3	01/27/12	3361.93	63.66	50.10	50.15	0.05	NA	NA	NA	3311.82	
RW-3	02/02/12	3361.93	63.66	50.09	50.20	0.11		0.10	14.90	3311.82	
RW-3	02/02/12	3361.93	63.66	ND	51.96	ND	NA	NA	NA	3309.97	
RW-3	02/08/12	3361.93	63.66	50.15	50.28	0.13		0.10	9.90	3311.76	
RW-3	02/08/12	3361.93	63.66	ND	51.51	ND	NA	NA	NA	3310.42	
RW-3	02/15/12	3361.93	63.66	50.11	50.16	0.05		0.10	4.90	3311.81	
RW-3	02/15/12	3361.93	63.66	ND	51.45	ND	NA	NA	NA	3310.48	
RW-3	02/22/12	3361.93	63.66	50.03	50.15	0.12	NA	NA	NA	3311.88	
RW-3	02/29/12	3361.93	63.66	50.11	50.33	0.22		0.10	4.90	3311.79	
RW-3	02/29/12	3361.93	63.66	ND	51.20	ND	NA	NA	NA	3310.73	
RW-3	03/06/12	3361.93	63.66	50.05	50.20	0.15		0.10	4.90	3311.86	
RW-3	03/06/12	3361.93	63.66	ND	51.87	ND	NA	NA	NA	3310.06	
RW-3	03/14/12	3361.93	63.66	56.08	56.32	0.24	NA	NA	NA	3305.81	
RW-3	03/21/12	3361.93	63.66	49.93	50.25	0.32		0.10	4.90	3311.95	
RW-3	03/21/12	3361.93	63.66	ND	51.03	ND	NA	NA	NA	3310.90	
RW-3	03/29/12	3361.93	63.66	49.96	50.42	0.46		0.50	10.00	3311.90	
RW-3	03/29/12	3361.93	63.66	ND	51.09	ND	NA	NA	NA	3310.84	
RW-3	04/03/12	3361.93	63.66	49.99	50.53	0.54		0.50	9.50	3311.86	
RW-3	04/03/12	3361.93	63.66	ND	51.66	ND	NA	NA	NA	3310.27	
RW-3	04/11/12	3361.93	63.66	49.90	50.29	0.39		0.10	9.90	3311.97	
RW-3	04/11/12	3361.93	63.66	ND	51.52	ND	NA	NA	NA	3310.41	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	04/20/12	3361.93	63.66	50.02	50.54	0.52		0.10	9.90	3311.83	
RW-3	04/20/12	3361.93	63.66	ND	50.10	ND	NA	NA	NA	3311.83	
RW-3	04/26/12	3361.93	63.66	49.98	50.40	0.42		1.00	4.00	3311.89	
RW-3	04/26/12	3361.93	63.66	ND	51.00	ND	NA	NA	NA	3310.93	
RW-3	05/02/12	3361.93	63.66	50.02	50.28	0.26		0.10	9.90	3311.87	
RW-3	05/02/12	3361.93	63.66	ND	50.80	ND	NA	NA	NA	3311.13	
RW-3	05/09/12	3361.93	63.66	50.06	50.18	0.12		0.10	9.90	3311.85	
RW-3	05/09/12	3361.93	63.66	ND	51.78	ND	NA	NA	NA	3310.15	
RW-3	05/22/12	3361.93	63.66	49.99	50.26	0.27	NA	NA	NA	3311.90	Sampled
RW-3	05/29/12	3361.93	63.66	49.99	50.20	0.21		0.10	9.90	3311.91	
RW-3	05/29/12	3361.93	63.66	ND	51.26	ND	NA	NA	NA	3310.67	
RW-3	06/06/12	3361.93	63.66	49.98	50.20	0.22		0.10	9.90	3311.92	
RW-3	06/06/12	3361.93	63.66	ND	52.00	ND	NA	NA	NA	3309.93	
RW-3	06/13/12	3361.93	63.66	49.95	50.22	0.27		0.10	9.90	3311.94	
RW-3	06/13/12	3361.93	63.66	ND	51.63	ND	NA	NA	NA	3310.30	
RW-3	06/19/12	3361.93	63.66	49.92	50.27	0.35		0.10	9.90	3311.96	
RW-3	06/19/12	3361.93	63.66	ND	50.30	ND	NA	NA	NA	3311.63	
RW-3	07/05/12	3361.93	63.66	ND	50.05	50.18	NA	0.10	10.00	3311.88	
RW-3	07/05/12	3361.93	63.66	ND	51.63	ND	NA	NA	NA	3310.30	
RW-3	07/11/12	3361.93	63.66	50.05	50.12	0.07	NA	0.10	10.00	3311.87	
RW-3	07/11/12	3361.93	63.66	ND	50.82	ND	NA	NA	NA	3311.11	
RW-3	07/18/12	3361.93	63.66	50.09	50.20	0.11	NA	NA	10.00	3311.82	
RW-3	07/18/12	3361.93	63.66	ND	51.30	ND	NA	NA	NA	3310.63	
RW-3	07/25/12	3361.93	63.66	50.07	50.20	0.13	NA	0.125	10.00	3311.84	
RW-3	07/25/12	3361.93	63.66	ND	50.93	ND	NA	NA	NA	3311.00	
RW-3	07/31/12	3361.93	63.66	50.08	50.22	0.14	NA	0.10	10.00	3311.83	
RW-3	07/31/12	3361.93	63.66	ND	50.50	ND	NA	NA	NA	3311.43	
RW-3	08/08/12	3361.93	63.66	50.10	50.31	0.21	NA	NA	NA	3311.80	
RW-3	08/13/12	3361.93	63.66	50.07	50.25	0.18	NA	0.10	10.00	3311.83	
RW-3	08/13/12	3361.93	63.66	ND	50.91	ND	NA	NA	NA	3311.02	
RW-3	09/05/12	3361.93	63.66	50.16	50.30	0.14	NA	0.10	10.00	3311.75	
RW-3	09/11/12	3361.93	63.66	50.04	50.45	0.41	NA	0.10	10.00	3311.83	
RW-3	09/19/12	3361.93	63.66	50.13	50.58	0.45	NA	0.10	10.00	3311.73	
RW-3	09/19/12	3361.93	63.66	ND	51.81	ND	NA	0.10	10.00	3310.12	
RW-3	09/25/12	3361.93	63.66	50.12	50.33	0.21	NA	0.10	10.00	3311.78	
RW-3	09/25/12	3361.93	63.66	ND	51.76	ND	NA	NA	NA	3310.17	
RW-3	10/03/12	3361.93	63.66	50.18	50.44	0.26	NA	0.10	10.00	3311.71	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	10/03/12	3361.93	63.66	ND	51.32	ND	NA	NA	NA	3310.61	
RW-3	10/24/12	3361.93	63.66	50.12	50.40	0.28	NA	0.10	10.00	3311.77	
RW-3	10/24/12	3361.93	63.66	ND	52.21	ND	NA	NA	NA	3309.72	
RW-3	10/30/12	3361.93	63.66	50.17	50.35	0.18	NA	0.10	10.00	3311.73	
RW-3	10/30/12	3361.93	63.66	ND	52.28	ND	NA	NA	NA	3309.65	
RW-3	11/06/12	3361.93	63.66	50.19	50.29	0.10	NA	0.10	10.00	3311.73	
RW-3	11/06/12	3361.93	63.66	ND	52.28	ND	NA	NA	NA	3309.65	
RW-3	11/13/12	3361.93	63.66	50.21	50.39	0.18	NA	0.10	10.00	3311.69	
RW-3	11/13/12	3361.93	63.66	ND	51.88	ND	NA	NA	NA	3310.05	
RW-3	11/26/12	3361.93	63.66	50.18	50.53	0.35	NA	NA	NA	3311.70	
RW-3	12/05/12	3361.93	63.66	50.16	50.64	0.48	NA	NA	NA	3311.70	
RW-3	12/11/12	3361.93	63.66	50.18	50.40	0.22	NA	NA	NA	3311.72	
RW-3	01/03/13	3361.93	63.66	50.12	50.64	0.52	NA	NA	NA	3311.73	
RW-3	01/16/13	3361.93	63.66	50.18	50.86	0.68	NA	0.50	9.50	3311.65	
RW-3	01/16/13	3361.93	63.66	ND	52.42	ND	NA	NA	NA	3309.51	
RW-3	01/23/13	3361.93	63.66	50.20	50.45	0.25	NA	0.10	10.00	3311.69	
RW-3	01/23/13	3361.93	63.66	ND	51.07	ND	NA	NA	NA	3310.86	
RW-3	01/30/13	3361.93	63.66	50.23	50.62	0.39	NA	0.10	10.00	3311.64	
RW-3	01/30/13	3361.93	63.66	ND	51.52	ND	NA	NA	NA	3310.41	
RW-3	02/07/13	3361.93	63.66	50.20	50.40	0.20	NA	0.10	10.00	3311.70	
RW-3	02/07/13	3361.93	63.66	ND	50.55	ND	NA	NA	NA	3311.38	
RW-3	02/13/13	3361.93	63.66	50.23	50.51	0.28	NA	0.10	10.00	3311.66	
RW-3	02/13/13	3361.93	63.66	ND	52.02	ND	NA	NA	NA	3309.91	
RW-3	02/27/13	3361.93	63.66	50.23	50.43	0.20	NA	NA	NA	3311.67	
RW-3	03/21/13	3361.93	63.66	50.10	50.35	0.25	NA	NA	NA	3311.79	
RW-3	03/29/13	3361.93	63.66	50.16	50.41	0.25	NA	0.10	10.00	3311.73	
RW-3	03/29/13	3361.93	63.66	ND	50.84	ND	NA	NA	NA	3311.09	
RW-3	04/03/13	3361.93	63.66	50.15	50.50	0.35	NA	0.10	10.00	3311.73	
RW-3	04/03/13	3361.93	63.66	ND	51.92	ND	NA	NA	NA	3310.01	
RW-3	04/09/13	3361.93	63.66	50.14	50.66	0.52	NA	0.10	10.00	3311.71	
RW-3	04/09/13	3361.93	63.66	ND	51.88	ND	NA	NA	NA	3310.05	
RW-3	05/01/13	3361.93	63.66	50.14	50.65	0.51	NA	0.50	9.50	3311.71	
RW-3	05/01/13	3361.93	63.66	ND	51.30	ND	NA	NA	NA	3310.63	
RW-3	05/15/13	3361.93	63.66	50.20	50.40	0.20	NA	0.10	10.00	3311.70	
RW-3	05/15/13	3361.93	63.66	ND	51.48	ND	NA	NA	NA	3310.45	
RW-3	05/21/13	3361.93	63.66	50.23	50.57	0.34	NA	0.10	10.00	3311.65	
RW-3	05/21/13	3361.93	63.66	ND	51.19	ND	NA	NA	NA	3310.74	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-3	06/05/13	3361.93	63.66	50.18	50.56	0.38	NA	0.50	9.50	3311.69	
RW-3	06/05/13	3361.93	63.66	ND	51.74	ND	NA	NA	NA	3310.19	
RW-3	06/11/13	3361.93	63.66	50.29	50.51	0.22	NA	NA	NA	3311.61	
RW-3	06/17/13	3361.93	63.66	50.32	50.46	0.14	NA	0.10	10.00	3311.59	
RW-3	06/26/13	3361.93	63.66	50.28	50.45	0.17	NA	0.25	9.75	3311.62	
RW-3	06/26/13	3361.93	63.66	ND	51.16	ND	NA	NA	NA	3310.77	
RW-3	07/03/13	3361.93	63.66	50.28	50.48	0.20	NA	0.25	9.75	3311.62	
RW-3	07/10/13	3361.93	63.66	50.30	50.52	0.22	NA	0.25	9.75	3311.60	
RW-3	07/23/13	3361.93	63.66	50.30	50.66	0.36	NA	0.25	9.75	3311.58	
RW-3	07/30/13	3361.93	63.66	50.17	50.25	0.08	NA	0.25	9.25	3311.75	
RW-3	08/07/13	3361.93	63.66	50.07	50.29	0.22	NA	0.25	9.75	3311.83	
RW-3	08/14/13	3361.93	63.66	50.39	50.51	0.12	NA	NA	NA	3311.52	
RW-3	08/21/13	3361.93	63.66	50.36	50.50	0.14	NA	0.10	10.00	3311.55	
RW-3	08/28/13	3361.93	63.66	50.41	50.55	0.14	NA	0.25	9.75	3311.50	
RW-3	09/06/13	3361.93	63.66	50.44	50.48	0.04	NA	0.25	9.50	3311.48	
RW-3	09/10/13	3361.93	63.66	50.46	50.51	0.05	NA	NA	NA	3311.46	
RW-3	09/21/13	3361.93	63.66	50.40	50.48	0.08	NA	NA	NA	3311.52	
RW-3	09/28/13	3361.93	63.66	50.52	50.55	0.03	NA	NA	NA	3311.41	
RW-3	10/02/13	3361.93	63.66	50.44	50.50	0.06	NA	0.50	9.50	3311.48	
RW-3	10/11/13	3361.93	63.66	50.48	50.52	0.04	NA	NA	NA	3311.44	
RW-3	10/16/13	3361.93	63.66	50.45	50.47	0.02	NA	NA	NA	3311.48	
RW-3	10/30/13	3361.93	63.66	50.42	50.45	0.03	NA	NA	NA	3311.51	
RW-3	11/06/13	3361.93	63.66	50.48	50.52	0.04	NA	NA	NA	3311.44	
RW-3	11/20/13	3361.93	63.66	50.48	50.55	0.07	NA	NA	NA	3311.44	
RW-3	11/27/13	3361.93	63.66	50.51	50.56	0.05	NA	NA	NA	3311.41	
RW-3	12/17/13	3361.93	63.66	50.48	50.60	0.12	NA	0.25	4.75	3311.43	
RW-4	12/06/06	3363.23	64.23	ND	49.80	ND	NA	NA	NA	3313.43	Sampled
RW-4	12/13/06	3363.23	NG	ND	49.83	ND	NA	NA	NA	3313.40	
RW-4	12/27/06	3363.23	NG	ND	49.63	ND	NA	NA	NA	3313.60	
RW-4	01/03/07	3363.23	NG	ND	49.78	ND	NA	NA	NA	3313.45	
RW-4	01/09/07	3363.23	NG	ND	49.78	ND	NA	NA	NA	3313.45	
RW-4	01/18/07	3363.23	NG	ND	49.65	ND	NA	NA	NA	3313.58	
RW-4	01/22/07	3363.23	NG	ND	49.59	ND	NA	NA	NA	3313.64	
RW-4	02/01/07	3363.23	NG	ND	49.54	ND	NA	NA	NA	3313.69	
RW-4	02/07/07	3363.23	NG	ND	49.68	ND	NA	NA	NA	3313.55	
RW-4	02/14/07	3363.23	NG	ND	49.66	ND	NA	NA	NA	3313.57	

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RW-4	02/21/07	3363.23	NG	ND	49.68	ND	NA	NA	NA	3313.55	
RW-4	02/28/07	3363.23	64.25	ND	49.53	ND	NA	NA	NA	3313.70	Sampled
RW-4	03/07/07	3363.23	NG	ND	49.62	ND	NA	NA	NA	3313.61	
RW-4	04/03/07	3363.23	NG	ND	49.57	ND	NA	NA	NA	3313.66	
RW-4	05/03/07	3363.23	NG	ND	49.46	ND	NA	NA	NA	3313.77	
RW-4	05/30/07	3363.23	64.29	ND	49.52	ND	NA	NA	NA	3313.71	Sampled
RW-4	06/06/07	3363.23	64.32	ND	49.43	ND	NA	NA	NA	3313.80	
RW-4	07/05/07	3363.23	63.64	ND	49.43	ND	NA	NA	NA	3313.80	
RW-4	07/31/07	3363.23	63.65	ND	49.47	ND	NA	NA	NA	3313.76	
RW-4	09/06/07	3363.23	63.68	ND	49.43	ND	NA	NA	NA	3313.80	Sampled
RW-4	10/10/07	3363.23	63.65	ND	49.49	ND	NA	NA	NA	3313.74	
RW-4	11/13/07	3363.23	63.71	ND	49.55	ND	NA	NA	NA	3313.68	Sampled
RW-4	12/27/07	3363.23	63.71	ND	49.51	ND	NA	NA	NA	3313.72	
RW-4	01/09/08	3363.23	63.10	ND	49.46	ND	NA	NA	NA	3313.77	
RW-4	02/06/08	3363.23	63.10	ND	49.48	ND	NA	NA	NA	3313.75	
RW-4	02/27/08	3363.23	62.78	ND	49.61	ND	NA	NA	NA	3313.62	Sampled
RW-4	04/02/08	3363.23	62.78	ND	49.40	ND	NA	NA	NA	3313.83	
RW-4	05/28/08	3363.23	63.71	ND	49.58	ND	NA	NA	NA	3313.65	Sampled
RW-4	06/18/08	3363.23	63.71	ND	49.64	ND	NA	NA	NA	3313.59	
RW-4	07/07/08	3363.23	63.71	ND	49.62	ND	NA	NA	NA	3313.61	
RW-4	08/18/08	3363.23	63.73	ND	49.62	ND	NA	NA	NA	3313.61	Sampled
RW-4	10/29/08	3363.23	62.66	ND	49.72	ND	NA	NA	NA	3313.51	
RW-4	11/19/08	3363.23	62.66	ND	49.74	ND	NA	NA	NA	3313.49	Sampled
RW-4	12/21/08	3363.23	62.66	ND	49.78	ND	NA	NA	NA	3313.45	
RW-4	01/07/09	3363.23	63.47	ND	49.61	ND	NA	NA	NA	3313.62	
RW-4	02/04/09	3363.23	60.98	ND	49.71	ND	NA	NA	NA	3313.52	
RW-4	02/17/09	3363.23	62.80	ND	49.71	ND	NA	NA	NA	3313.52	Sampled
RW-4	03/04/09	3363.23	60.93	ND	49.68	ND	NA	NA	NA	3313.55	
RW-4	04/08/09	3363.23	60.93	ND	49.68	ND	NA	NA	NA	3313.55	
RW-4	04/08/09	3363.23	60.93	ND	49.71	ND	NA	NA	NA	3313.52	
RW-4	05/06/09	3363.23	60.93	ND	49.73	ND	NA	NA	NA	3313.50	
RW-4	05/19/09	3363.23	60.93	ND	49.80	ND	NA	NA	NA	3313.43	Sampled
RW-4	06/03/09	3363.23	60.93	ND	49.79	ND	NA	NA	NA	3313.44	
RW-4	07/15/09	3363.23	60.93	ND	49.83	ND	NA	NA	NA	3313.40	
RW-4	08/05/09	3363.23	60.93	ND	49.86	ND	NA	NA	NA	3313.37	
RW-4	08/26/09	3363.23	63.51	ND	49.90	ND	NA	NA	NA	3313.33	Sampled
RW-4	09/02/09	3363.23	63.51	ND	49.88	ND	NA	NA	NA	3313.35	

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RW-4	10/07/09	3363.23	63.51	ND	49.89	ND	NA	NA	NA	3313.34	
RW-4	11/18/09	3363.23	63.51	ND	49.92	ND	NA	NA	NA	3313.31	Sampled
RW-4	12/02/09	3363.23	63.51	ND	49.97	ND	NA	NA	NA	3313.26	
RW-4	01/06/10	3363.22	63.51	ND	49.86	ND	NA	NA	NA	3313.36	
RW-4	02/11/10	3363.22	63.51	ND	49.90	ND	NA	NA	NA	3313.32	Sampled
RW-4	03/10/10	3363.22	63.51	ND	49.79	ND	NA	NA	NA	3313.43	
RW-4	04/07/10	3363.22	63.51	ND	49.85	ND	NA	NA	NA	3313.37	
RW-4	05/11/10	3363.22	63.51	ND	49.74	ND	NA	NA	NA	3313.48	Sampled
RW-4	06/02/10	3363.22	63.51	ND	49.74	ND	NA	NA	NA	3313.48	
RW-4	07/07/10	3363.22	63.51	ND	49.76	ND	NA	NA	NA	3313.46	
RW-4	08/03/10	3363.22	63.51	ND	49.77	ND	NA	NA	NA	3313.45	
RW-4	08/26/10	3363.22	63.51	ND	49.68	ND	NA	NA	NA	3313.54	Sampled
RW-4	09/01/10	3363.22	63.51	ND	49.68	ND	NA	NA	NA	3313.54	
RW-4	10/13/10	3363.22	63.51	ND	49.81	ND	NA	NA	NA	3313.41	
RW-4	11/18/10	3363.22	63.51	ND	49.76	ND	NA	NA	NA	3313.46	Sampled
RW-4	11/23/10	3363.22	63.51	ND	49.74	ND	NA	NA	NA	3313.48	
RW-4	12/08/10	3363.22	63.51	ND	49.78	ND	NA	NA	NA	3313.44	
RW-4	01/12/11	3363.22	63.51	ND	49.77	ND	NA	NA	NA	3313.45	
RW-4	02/08/11	3363.22	63.51	ND	49.64	ND	NA	NA	NA	3313.58	
RW-4	02/23/11	3363.22	63.51	ND	49.56	ND	NA	NA	NA	3313.66	Sampled
RW-4	03/08/11	3363.22	63.51	ND	49.86	ND	NA	NA	NA	3313.36	
RW-4	04/13/11	3363.22	63.51	ND	49.63	ND	NA	NA	NA	3313.59	
RW-4	06/01/11	3363.22	63.51	ND	49.71	ND	NA	NA	NA	3313.51	Sampled
RW-4	07/27/11	3363.22	63.51	ND	49.53	ND	NA	NA	NA	3313.69	
RW-4	08/30/11	3363.22	63.51	ND	49.82	ND	NA	NA	NA	3313.40	Sampled
RW-4	09/14/11	3363.22	63.51	ND	49.80	ND	NA	NA	NA	3313.42	
RW-4	10/12/11	3363.22	63.51	ND	49.87	ND	NA	NA	NA	3313.35	
RW-4	11/28/11	3363.22	63.51	ND	49.84	ND	NA	NA	NA	3313.38	Sampled
RW-4	12/27/11	3363.22	63.51	ND	49.84	ND	NA	NA	NA	3313.38	
RW-4	01/18/12	3363.22	63.51	ND	49.88	ND	NA	NA	NA	3313.34	
RW-4	02/02/12	3363.22	63.51	ND	49.78	ND	NA	NA	NA	3313.44	
RW-4	02/15/12	3363.22	63.51	ND	49.82	ND	NA	NA	NA	3313.40	
RW-4	02/22/12	3363.22	63.51	ND	49.76	ND	NA	NA	NA	3313.46	Sampled
RW-4	04/26/12	3363.22	63.51	ND	49.76	ND	NA	NA	NA	3313.46	
RW-4	05/22/12	3363.22	63.51	ND	49.70	ND	NA	NA	NA	3313.52	Sampled
RW-4	07/18/12	3363.22	63.51	ND	49.90	ND	NA	NA	NA	3313.32	
RW-4	09/11/12	3363.22	63.51	ND	49.93	ND	NA	NA	NA	3313.29	

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RW-4	11/26/12	3363.22	63.51	ND	50.00	ND	NA	NA	NA	3313.22	
RW-4	02/27/13	3363.22	63.51	ND	50.11	ND	NA	NA	NA	3313.11	
RW-4	06/11/13	3363.22	63.51	ND	50.12	ND	NA	NA	NA	3313.10	
RW-4	08/14/13	3363.22	63.51	ND	50.21	ND	NA	NA	NA	3313.01	
RW-4	09/10/13	3363.22	63.65	ND	50.29	ND	NA	NA	NA	3312.93	
RW-4	11/06/13	3363.22	63.65	ND	50.29	ND	NA	NA	NA	3312.93	
RW-5	12/06/06	3362.38	64.00	ND	49.38	ND	NA	NA	NA	3313.00	Sampled
RW-5	12/13/06	3362.38	NG	ND	49.41	ND	NA	NA	NA	3312.97	
RW-5	12/27/06	3362.38	NG	ND	49.25	ND	NA	NA	NA	3313.13	
RW-5	01/03/07	3362.38	NG	ND	49.35	ND	NA	NA	NA	3313.03	
RW-5	01/09/07	3362.38	NG	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	01/18/07	3362.38	NG	ND	49.28	ND	NA	NA	NA	3313.10	
RW-5	01/22/07	3362.38	NG	ND	49.20	ND	NA	NA	NA	3313.18	
RW-5	02/01/07	3362.38	NG	ND	49.06	ND	NA	NA	NA	3313.32	
RW-5	02/07/07	3362.38	NG	ND	49.26	ND	NA	NA	NA	3313.12	
RW-5	02/14/07	3362.38	NG	ND	49.26	ND	NA	NA	NA	3313.12	
RW-5	02/21/07	3362.38	NG	ND	49.28	ND	NA	NA	NA	3313.10	
RW-5	02/28/07	3362.38	64.02	ND	49.13	ND	NA	NA	NA	3313.25	Sampled
RW-5	03/07/07	3362.38	NG	ND	49.22	ND	NA	NA	NA	3313.16	
RW-5	04/03/07	3362.38	NG	ND	49.19	ND	NA	NA	NA	3313.19	
RW-5	05/03/07	3362.38	NG	ND	49.08	ND	NA	NA	NA	3313.30	
RW-5	05/30/07	3362.38	64.02	ND	49.15	ND	NA	NA	NA	3313.23	Sampled
RW-5	06/06/07	3362.38	64.00	ND	49.02	ND	NA	NA	NA	3313.36	
RW-5	07/05/07	3362.38	64.02	ND	49.02	ND	NA	NA	NA	3313.36	
RW-5	07/31/07	3362.38	64.04	ND	49.07	ND	NA	NA	NA	3313.31	
RW-5	09/06/07	3362.38	64.05	ND	49.00	ND	NA	NA	NA	3313.38	Sampled
RW-5	09/10/07	3362.38	64.05	ND	49.02	ND	NA	NA	NA	3313.36	
RW-5	11/13/07	3362.38	64.00	ND	49.06	ND	NA	NA	NA	3313.32	Sampled
RW-5	12/27/07	3362.38	64.00	ND	49.02	ND	NA	NA	NA	3313.36	
RW-5	01/09/08	3362.38	64.00	ND	48.98	ND	NA	NA	NA	3313.40	
RW-5	02/06/08	3362.38	64.00	ND	49.03	ND	NA	NA	NA	3313.35	
RW-5	02/27/08	3362.38	64.00	ND	49.15	ND	NA	NA	NA	3313.23	Sampled
RW-5	04/02/08	3362.38	64.00	ND	48.98	ND	NA	NA	NA	3313.40	
RW-5	05/28/08	3362.38	64.00	ND	49.14	ND	NA	NA	NA	3313.24	Sampled
RW-5	06/18/08	3362.38	64.00	ND	49.20	ND	NA	NA	NA	3313.18	
RW-5	07/07/08	3362.38	64.00	ND	49.15	ND	NA	NA	NA	3313.23	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-5	08/18/08	3362.38	63.21	ND	49.21	ND	NA	NA	NA	3313.17	Sampled
RW-5	10/29/08	3362.38	63.18	ND	49.23	ND	NA	NA	NA	3313.15	
RW-5	11/19/08	3362.38	63.18	ND	49.28	ND	NA	NA	NA	3313.10	Sampled
RW-5	12/21/08	3362.38	63.18	ND	49.31	ND	NA	NA	NA	3313.07	
RW-5	01/07/09	3362.38	63.18	ND	49.20	ND	NA	NA	NA	3313.18	
RW-5	02/04/09	3362.38	60.91	ND	49.26	ND	NA	NA	NA	3313.12	
RW-5	02/17/09	3362.38	63.15	ND	49.25	ND	NA	NA	NA	3313.13	Sampled
RW-5	03/04/09	3362.38	63.65	ND	49.20	ND	NA	NA	NA	3313.18	
RW-5	04/08/09	3362.38	63.65	ND	49.26	ND	NA	NA	NA	3313.12	
RW-5	05/06/09	3362.38	63.65	ND	49.24	ND	NA	NA	NA	3313.14	
RW-5	05/19/09	3362.38	63.65	ND	49.35	ND	NA	NA	NA	3313.03	Sampled
RW-5	06/03/09	3362.38	63.65	ND	49.35	ND	NA	NA	NA	3313.03	
RW-5	07/15/09	3362.38	63.65	ND	49.40	ND	NA	NA	NA	3312.98	
RW-5	08/05/09	3362.38	63.65	ND	49.42	ND	NA	NA	NA	3312.96	
RW-5	08/26/09	3362.38	64.00	ND	49.42	ND	NA	NA	NA	3312.96	Sampled
RW-5	09/02/09	3362.38	64.00	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	10/07/09	3362.38	64.00	ND	49.44	ND	NA	NA	NA	3312.94	
RW-5	11/18/09	3362.38	64.00	ND	49.43	ND	NA	NA	NA	3312.95	Sampled
RW-5	12/02/09	3362.38	64.00	ND	49.48	ND	NA	NA	NA	3312.90	
RW-5	01/06/10	3362.38	64.00	ND	49.44	ND	NA	NA	NA	3312.94	
RW-5	02/11/10	3362.38	64.00	ND	49.40	ND	NA	NA	NA	3312.98	Sampled
RW-5	03/10/10	3362.38	64.00	ND	49.31	ND	NA	NA	NA	3313.07	
RW-5	04/07/10	3362.38	64.00	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	05/11/10	3362.38	64.00	ND	49.31	ND	NA	NA	NA	3313.07	Sampled
RW-5	06/02/10	3362.38	64.00	ND	49.27	ND	NA	NA	NA	3313.11	
RW-5	07/07/10	3362.38	64.00	ND	49.30	ND	NA	NA	NA	3313.08	
RW-5	08/03/10	3362.38	64.00	ND	49.28	ND	NA	NA	NA	3313.10	
RW-5	08/26/10	3362.38	64.00	ND	49.28	ND	NA	NA	NA	3313.10	Sampled
RW-5	09/01/10	3362.38	64.00	ND	49.23	ND	NA	NA	NA	3313.15	
RW-5	10/13/10	3362.38	64.00	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	11/18/10	3362.38	64.00	ND	49.32	ND	NA	NA	NA	3313.06	Sampled
RW-5	11/23/10	3362.38	64.00	ND	49.34	ND	NA	NA	NA	3313.04	
RW-5	12/08/10	3362.38	64.00	ND	49.31	ND	NA	NA	NA	3313.07	
RW-5	01/12/11	3362.38	64.00	ND	49.30	ND	NA	NA	NA	3313.08	
RW-5	02/08/11	3362.38	64.00	ND	49.15	ND	NA	NA	NA	3313.23	
RW-5	02/23/11	3362.38	64.00	ND	49.23	ND	NA	NA	NA	3313.15	Sampled
RW-5	03/08/11	3362.38	64.00	ND	49.17	ND	NA	NA	NA	3313.21	

TABLE 2
HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-5	04/13/11	3362.38	64.00	ND	49.22	ND	NA	NA	NA	3313.16	
RW-5	06/01/11	3362.38	64.00	ND	49.24	ND	NA	NA	NA	3313.14	Sampled
RW-5	07/27/11	3362.38	64.00	ND	49.28	ND	NA	NA	NA	3313.10	
RW-5	08/30/11	3362.38	64.00	ND	49.33	ND	NA	NA	NA	3313.05	Sampled
RW-5	09/14/11	3362.38	64.00	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	10/12/11	3362.38	64.00	ND	49.41	ND	NA	NA	NA	3312.97	
RW-5	11/28/11	3362.38	64.00	ND	49.38	ND	NA	NA	NA	3313.00	Sampled
RW-5	12/27/11	3362.38	64.00	ND	49.41	ND	NA	NA	NA	3312.97	
RW-5	01/18/12	3362.38	64.00	ND	49.41	ND	NA	NA	NA	3312.97	
RW-5	02/02/12	3362.38	64.00	ND	49.30	ND	NA	NA	NA	3313.08	
RW-5	02/15/12	3362.38	64.00	ND	49.40	ND	NA	NA	NA	3312.98	
RW-5	02/22/12	3362.38	64.00	ND	49.34	ND	NA	NA	NA	3313.04	Sampled
RW-5	04/26/12	3362.38	64.00	ND	49.35	ND	NA	NA	NA	3313.03	
RW-5	05/22/12	3362.38	64.00	ND	49.28	ND	NA	NA	NA	3313.10	Sampled
RW-5	07/18/12	3362.38	64.00	ND	49.49	ND	NA	NA	NA	3312.89	
RW-5	09/11/12	3362.38	64.00	ND	49.54	ND	NA	NA	NA	3312.84	
RW-5	11/26/12	3362.38	64.00	ND	49.60	ND	NA	NA	NA	3312.78	
RW-5	02/27/13	3362.38	64.00	ND	49.70	ND	NA	NA	NA	3312.68	
RW-5	06/11/13	3362.38	64.00	ND	49.71	ND	NA	NA	NA	3312.67	
RW-5	08/14/13	3362.38	64.00	ND	49.79	ND	NA	NA	NA	3312.59	
RW-5	09/10/13	3362.38	64.00	ND	49.84	ND	NA	NA	NA	3312.54	
RW-5	11/06/13	3362.38	64.05	ND	49.86	ND	NA	NA	NA	3312.52	
RW-6	12/06/06	3363.11	64.19	ND	50.62	ND	NA	NA	NA	3312.49	Sampled
RW-6	12/13/06	3363.11	NG	ND	50.68	ND	NA	NA	NA	3312.43	
RW-6	12/27/06	3363.11	NG	ND	50.52	ND	NA	NA	NA	3312.59	
RW-6	01/03/07	3363.11	NG	ND	50.64	ND	NA	NA	NA	3312.47	
RW-6	01/09/07	3363.11	NG	ND	50.66	ND	NA	NA	NA	3312.45	
RW-6	01/18/07	3363.11	NG	ND	50.57	ND	NA	NA	NA	3312.54	
RW-6	01/22/07	3363.11	NG	ND	50.48	ND	NA	NA	NA	3312.63	
RW-6	02/01/07	3363.11	NG	ND	50.43	ND	NA	NA	NA	3312.68	
RW-6	02/07/07	3363.11	NG	ND	50.58	ND	NA	NA	NA	3312.53	
RW-6	02/14/07	3363.11	NG	ND	50.56	ND	NA	NA	NA	3312.55	
RW-6	02/21/07	3363.11	NG	ND	50.59	ND	NA	NA	NA	3312.52	
RW-6	02/28/07	3363.11	64.20	ND	50.40	ND	NA	NA	NA	3312.71	Sampled
RW-6	03/07/07	3363.11	NG	ND	50.50	ND	NA	NA	NA	3312.61	
RW-6	04/03/07	3363.11	NG	ND	50.47	ND	NA	NA	NA	3312.64	

TABLE 2
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 Plains Marketing, L.P.
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-6	05/03/07	3363.11	NG	ND	50.35	ND	NA	NA	NA	3312.76	
RW-6	05/30/07	3363.11	64.19	ND	50.42	ND	NA	NA	NA	3312.69	Sampled
RW-6	06/06/07	3363.11	64.20	ND	50.31	ND	NA	NA	NA	3312.80	
RW-6	07/05/07	3363.11	64.18	ND	50.26	ND	NA	NA	NA	3312.85	
RW-6	07/31/07	3363.11	64.17	ND	50.30	ND	NA	NA	NA	3312.81	
RW-6	09/06/07	3363.11	64.19	ND	50.30	ND	NA	NA	NA	3312.81	Sampled
RW-6	10/10/07	3363.11	64.19	ND	50.34	ND	NA	NA	NA	3312.77	
RW-6	11/13/07	3363.11	64.18	ND	50.35	ND	NA	NA	NA	3312.76	Sampled
RW-6	12/27/07	3363.11	64.18	ND	50.30	ND	NA	NA	NA	3312.81	
RW-6	01/09/08	3363.11	64.18	ND	50.27	ND	NA	NA	NA	3312.84	
RW-6	02/06/08	3363.11	64.18	ND	50.31	ND	NA	NA	NA	3312.80	
RW-6	02/27/08	3363.11	64.13	ND	50.47	ND	NA	NA	NA	3312.64	Sampled
RW-6	04/02/08	3363.11	64.13	ND	50.26	ND	NA	NA	NA	3312.85	
RW-6	05/28/08	3363.11	64.13	ND	50.45	ND	NA	NA	NA	3312.66	Sampled
RW-6	06/18/08	3363.11	64.13	ND	50.52	ND	NA	NA	NA	3312.59	
RW-6	07/07/08	3363.11	64.13	ND	50.42	ND	NA	NA	NA	3312.69	
RW-6	08/18/08	3363.11	64.17	ND	50.48	ND	NA	NA	NA	3312.63	Sampled
RW-6	10/29/08	3363.11	63.80	ND	50.55	ND	NA	NA	NA	3312.56	
RW-6	11/19/08	3363.11	63.80	ND	50.56	ND	NA	NA	NA	3312.55	Sampled
RW-6	12/21/08	3363.11	63.80	ND	50.59	ND	NA	NA	NA	3312.52	
RW-6	01/07/09	3363.11	63.84	ND	50.46	ND	NA	NA	NA	3312.65	
RW-6	02/04/09	3363.11	63.85	ND	50.51	ND	NA	NA	NA	3312.60	
RW-6	02/17/09	3363.11	64.15	ND	50.50	ND	NA	NA	NA	3312.61	Sampled
RW-6	03/04/09	3363.11	63.81	ND	50.48	ND	NA	NA	NA	3312.63	
RW-6	04/08/09	3363.11	63.81	ND	50.54	ND	NA	NA	NA	3312.57	
RW-6	05/06/09	3363.11	63.81	ND	50.59	ND	NA	NA	NA	3312.52	
RW-6	05/19/09	3363.11	63.81	ND	50.64	ND	NA	NA	NA	3312.47	Sampled
RW-6	06/03/09	3363.11	63.81	ND	50.60	ND	NA	NA	NA	3312.51	
RW-6	07/15/09	3363.11	63.81	ND	50.70	ND	NA	NA	NA	3312.41	
RW-6	08/05/09	3363.11	63.81	ND	50.70	ND	NA	NA	NA	3312.41	
RW-6	08/26/09	3363.11	64.12	ND	50.72	ND	NA	NA	NA	3312.39	Sampled
RW-6	09/02/09	3363.11	64.12	ND	50.70	ND	NA	NA	NA	3312.41	
RW-6	10/07/09	3363.11	64.12	ND	50.72	ND	NA	NA	NA	3312.39	
RW-6	11/18/09	3363.11	64.12	ND	50.72	ND	NA	NA	NA	3312.39	
RW-6	12/02/09	3363.11	64.12	ND	50.79	ND	NA	NA	NA	3312.32	
RW-6	01/06/10	3363.11	64.12	ND	50.72	ND	NA	NA	NA	3312.39	
RW-6	02/11/10	3363.11	64.12	ND	50.70	ND	NA	NA	NA	3312.41	Sampled

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-6	03/10/10	3363.11	64.12	ND	50.61	ND	NA	NA	NA	3312.50	
RW-6	04/07/10	3363.11	64.12	ND	50.64	ND	NA	NA	NA	3312.47	
RW-6	05/11/10	3363.11	64.12	ND	50.58	ND	NA	NA	NA	3312.53	Sampled
RW-6	06/02/10	3363.11	64.12	ND	50.56	ND	NA	NA	NA	3312.55	
RW-6	07/07/10	3363.11	64.12	ND	50.58	ND	NA	NA	NA	3312.53	
RW-6	08/03/10	3363.11	64.12	ND	50.57	ND	NA	NA	NA	3312.54	
RW-6	08/26/10	3363.11	64.12	ND	50.55	ND	NA	NA	NA	3312.56	Sampled
RW-6	09/01/10	3363.11	64.12	ND	50.51	ND	NA	NA	NA	3312.60	
RW-6	10/13/10	3363.11	64.12	ND	50.68	ND	NA	NA	NA	3312.43	
RW-6	11/18/10	3363.11	64.12	ND	50.57	ND	NA	NA	NA	3312.54	Sampled
RW-6	11/23/10	3363.11	64.12	ND	50.60	ND	NA	NA	NA	3312.51	
RW-6	12/08/10	3363.11	64.12	ND	50.63	ND	NA	NA	NA	3312.48	
RW-6	01/12/11	3363.11	64.12	ND	50.61	ND	NA	NA	NA	3312.50	
RW-6	02/08/11	3363.11	64.12	ND	50.46	ND	NA	NA	NA	3312.65	
RW-6	02/23/11	3363.11	64.12	ND	50.50	ND	NA	NA	NA	3312.61	Sampled
RW-6	03/08/11	3363.11	64.12	ND	50.49	ND	NA	NA	NA	3312.62	
RW-6	04/13/11	3363.11	64.12	ND	50.48	ND	NA	NA	NA	3312.63	
RW-6	06/01/11	3363.11	64.12	ND	50.51	ND	NA	NA	NA	3312.60	Sampled
RW-6	07/27/11	3363.11	64.12	ND	50.58	ND	NA	NA	NA	3312.53	
RW-6	08/30/11	3363.11	64.12	ND	50.60	ND	NA	NA	NA	3312.51	Sampled
RW-6	09/14/11	3363.11	64.12	ND	50.69	ND	NA	NA	NA	3312.42	
RW-6	10/12/11	3363.11	64.12	ND	50.70	ND	NA	NA	NA	3312.41	
RW-6	11/28/11	3363.11	64.12	ND	50.69	ND	NA	NA	NA	3312.42	Sampled
RW-6	12/27/11	3363.11	64.12	ND	50.71	ND	NA	NA	NA	3312.40	
RW-6	01/18/12	3363.11	64.12	ND	50.68	ND	NA	NA	NA	3312.43	
RW-6	02/02/12	3363.11	64.12	ND	50.60	ND	NA	NA	NA	3312.51	
RW-6	02/15/12	3363.11	64.12	ND	50.68	ND	NA	NA	NA	3312.43	
RW-6	02/22/12	3363.11	64.12	ND	50.57	ND	NA	NA	NA	3312.54	Sampled
RW-6	04/26/12	3363.11	64.12	ND	50.61	ND	NA	NA	NA	3312.50	
RW-6	05/22/12	3363.11	64.12	ND	50.55	ND	NA	NA	NA	3312.56	Sampled
RW-6	07/18/12	3363.11	64.12	ND	50.77	ND	NA	NA	NA	3312.34	
RW-6	09/11/12	3363.11	64.12	ND	50.78	ND	NA	NA	NA	3312.33	
RW-6	11/26/12	3363.11	64.12	ND	50.85	ND	NA	NA	NA	3312.26	
RW-6	02/27/13	3363.11	64.12	ND	50.96	ND	NA	NA	NA	3312.15	
RW-6	06/11/13	3363.11	64.12	ND	50.95	ND	NA	NA	NA	3312.16	
RW-6	08/14/13	3363.11	64.12	ND	51.05	ND	NA	NA	NA	3312.06	
RW-6	09/10/13	3363.11	64.12	ND	51.11	ND	NA	NA	NA	3312.00	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
RW-6	11/06/13	3363.11	64.22	ND	51.13	ND	NA	NA	NA	3311.98	
RW-7	11/06/13	3362.52	68.56	ND	50.53	ND	NA	NA	NA	3311.99	
RW-7	11/20/13	3362.52	68.56	ND	50.35	ND	NA	NA	NA	3312.17	
RW-7	11/27/13	3362.52	68.56	ND	50.14	ND	NA	NA	NA	3312.38	
RW-7	12/17/13	3362.52	68.56	ND	50.45	ND	NA	NA	NA	3312.07	
RW-8	11/06/13	3362.52	64.22	50.3	52.20	1.90	NA	NA	NA	3311.94	
RW-8	11/20/13	3362.52	64.22	50.15	52.10	1.95	NA	2.50	2.50	3312.08	
RW-8	11/27/13	3362.52	64.22	50.25	52.10	1.85	NA	3.00	2.00	3311.99	
RW-8	12/17/13	3362.52	64.22	50.48	52.10	1.62	NA	2.50	14.00	3311.80	

Wells re-surveyed in November 2006, RW-2 used as bench mark (3362.00 ft)

NA: Not applicable

ND: Not detected

NG: Not gauged

TABLE 3
2013 GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #5
SRS #2003-00134
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-1	02/27/13	L622455-01	<0.001	<0.005	<0.001	<0.003
MW-1	06/11/13	L641163-01	<0.001	<0.005	<0.001	<0.003
MW-1	09/10/13	L656835-01	<0.001	<0.005	<0.001	<0.003
MW-1	11/07/13	L667856-01	0.00046 J	<0.005	<0.001	<0.003
MW-2	02/27/13	L622455-02	<0.001	<0.005	<0.001	<0.003
MW-2	06/11/13	L641163-02	<0.001	<0.005	<0.001	<0.003
MW-2	09/10/13	L656835-02	<0.001	<0.005	<0.001	<0.003
MW-2	11/07/13	L667856-02	<0.001	<0.005	<0.001	<0.003
MW-3	02/27/13	L622455-03	<0.001	<0.005	<0.001	<0.003
MW-3	06/11/13	L641163-03	<0.001	<0.005	<0.001	<0.003
MW-3	09/10/13	L656835-03	<0.001	<0.005	<0.001	<0.003
MW-3	11/07/13	L667856-03	<0.001	<0.005	<0.001	<0.003
MW-4	02/27/13	L622455-04	<0.001	<0.005	<0.001	<0.003
MW-4	06/11/13	L641163-04	<0.001	<0.005	<0.001	<0.003
MW-4	09/10/13	L656835-04	<0.001	<0.005	<0.001	<0.003
MW-4	11/07/13	L667856-04	<0.001	<0.005	<0.001	<0.003
MW-5	02/27/13	L622455-05	<0.001	<0.005	<0.001	<0.003
MW-5	06/11/13	L641163-05	<0.001	<0.005	<0.001	<0.003
MW-5	09/10/13	L656835-05	<0.001	<0.005	<0.001	<0.003
MW-5	11/07/13	L667856-05	<0.001	<0.005	<0.001	<0.003
MW-6	02/27/13	L622455-06	<0.001	<0.005	<0.001	<0.003
MW-6	06/11/13	L641163-06	<0.001	<0.005	<0.001	<0.003
MW-6	09/10/13	L656835-06	<0.001	<0.005	<0.001	<0.003
MW-6	11/07/13	L667856-06	<0.001	<0.005	<0.001	<0.003
MW-7	02/27/13	L622455-07	<0.001	<0.005	<0.001	<0.003
MW-7	06/11/13	L641163-07	<0.001	<0.005	<0.001	<0.003
MW-7	09/10/13	L656835-07	<0.001	<0.005	<0.001	<0.003
MW-7	11/07/13	L667856-07	<0.001	<0.005	<0.001	<0.003
RW-1	02/27/13	NS	NS	NS	NS	NS
RW-1	06/11/13	L641163-08	0.015	0.0045 J	0.068	0.2
RW-1	09/10/13	NS	NS	NS	NS	NS
RW-1	11/07/13	NS	NS	NS	NS	NS
RW-2	02/27/13	NS	NS	NS	NS	NS
RW-2	06/11/13	L641163-09	0.028	0.04	0.063	0.18
RW-2	09/10/13	NS	NS	NS	NS	NS

TABLE 3
2013 GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal 14" Mainline #5
SRS #2003-00134
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
RW-2	11/07/13	NS	NS	NS	NS	NS
RW-3	02/27/13	NS	NS	NS	NS	NS
RW-3	06/11/13	L641163-10	0.016	0.078	0.14	0.32
RW-3	09/10/13	NS	NS	NS	NS	NS
RW-3	11/07/13	NS	NS	NS	NS	NS
RW-4	02/27/13	L622455-08	<0.001	<0.005	<0.001	<0.003
RW-4	06/11/13	L641163-11	<0.001	<0.005	<0.001	<0.003
RW-4	09/10/13	L656835-08	<0.001	<0.005	<0.001	<0.003
RW-4	11/07/13	L667856-08	<0.001	<0.005	<0.001	<0.003
RW-5	02/27/13	L622455-09	<0.001	<0.005	<0.001	<0.003
RW-5	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003
RW-5	09/10/13	L656835-09	<0.001	<0.005	<0.001	<0.003
RW-5	11/07/13	L667856-09	<0.001	<0.005	<0.001	<0.003
RW-6	02/27/13	L622455-10	<0.001	<0.005	<0.001	<0.003
RW-6	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003
RW-6	09/10/13	L656835-10	<0.001	<0.005	<0.001	<0.003
RW-6	11/07/13	L667856-10	<0.001	<0.005	<0.001	<0.003
RW-7	11/07/13	L667856-11	<0.001	<0.005	<0.001	<0.003

NMOCD: New Mexico Oil Conservation Division

Exceedences of NMOCD Remediation Criteria are shown in **bold**

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L				
MW-1	03/29/06	T13036-1	0.557	0.0032	0.0133	0.0092	
MW-1	06/10/06	T13862-1	0.639 ^a	<0.00036	0.0033	0.0015 J	
MW-1	09/12/06	T14676-1	0.512 ^a	<0.00020	<0.00033	<0.00036	
MW-1	12/06/06	T15618-1	0.452 ^a	<0.00020	0.0049	<0.00036	
MW-1	02/28/07	T16494-1	0.481 ^a	<0.00020	0.0191	<0.00036	
MW-1	05/30/07	T17645-1	0.213 ^a	<0.00023	0.0043	<0.00055	
MW-1	09/06/07	T18811-1	0.066	<0.00023	0.006	<0.00055	
MW-1	11/13/07	T19737-1	0.0955 ^c	<0.001	0.0091	<0.003	
MW-1	02/26/08	T21028-1	0.0156	<0.00023	0.00069 J	<0.00055	
MW-1	05/28/08	T22367-1	0.031	<0.00023	0.0022	<0.00055	
MW-1	08/18/08	T23538-1	0.001	<0.0005	<0.0005	<0.001	
MW-1	11/19/08	8112008	0.0209	0.00120	0.00330	<0.00100	
MW-1	02/17/09	187728	0.0027	<0.001	<0.001	<0.001	
MW-1	05/19/09	196550	0.0004 J	<0.000281	<0.000535	<0.000960	
MW-1	08/26/09	208325	<0.000133	<0.000281	<0.000535	<0.000960	
MW-1	11/18/09	215413	0.223	<0.00332	0.0617	<0.00143	
MW-1	02/11/10	222481	0.0769	<0.0004	0.0042	<0.000379	
MW-1	05/12/10	1005475-01	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	08/26/10	1008909-01	0.017	<0.0010	<0.0010	<0.0030	
MW-1	11/18/10	1011749-01	0.0077	<0.0010	<0.0010	<0.0030	
MW-1	02/23/11	1102701-04	0.025	<0.0010	<0.0010	<0.0030	
MW-1	06/01/11	1106050-01	0.0004 J	<0.0010	<0.0010	<0.0030	
MW-1	08/30/11	11081008-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	11/28/11	1111901-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	02/22/12	1202864-01	0.0010	<0.0010	<0.0010	<0.0030	
MW-1	05/22/12	12051078-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	09/11/12	1209475-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/26/12	1211904-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/27/13	L622455-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/11/13	L641163-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/10/13	L656835-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/07/13	L667856-01	0.00046 J	<0.005	<0.001	<0.003	
MW-2	03/29/06	T 13036-2	0.0012	0.0011	0.00042	<0.00072	
MW-2	06/10/06	T13862-2	0.00038 J	<0.00036	<0.00035	<0.00072	
MW-2	09/12/06	T14676-2	<0.00035	<0.00020	<0.00033	<0.00036	
MW-2	12/06/06	T15618-2	0.0012	0.00087 J	<0.00033	<0.00036	
MW-2	02/28/07	T16494-2	0.0044	0.0017	<0.00033	<0.00036	
MW-2	05/30/07	T17645-2	0.00065 J	<0.00023	<0.00035	<0.00055	
MW-2	09/06/07	T18811-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	11/13/07	T19737-2	<0.001	<0.001	<0.001	<0.003	
MW-2	02/26/08	T21028-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	05/28/08	T22367-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	08/18/08	T23538-2	0.00065 J	<0.0005	<0.0005	<0.001	
MW-2	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L				
MW-2	02/17/09	187729	<0.00100	<0.00100	<0.00100	<0.00100	
MW-2	05/19/09	196551	<0.000133	<0.000281	<0.000535	0.0018	
MW-2	08/26/09	208326	<0.000149	<0.000188	<0.000178	<0.000163	
MW-2	11/18/09	215414	<0.000160	<0.000332	<0.000230	<0.000143	
MW-2	02/11/10	222482	<0.000371	<0.0004	<0.00043	<0.000379	
MW-2	05/12/10	1005475-02	<0.001	<0.001	<0.001	<0.003	
MW-2	08/26/10	1008909-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/18/10	1011749-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/23/11	1102701-05	<0.001	<0.001	<0.001	<0.003	
MW-2	06/01/11	1106050-02	<0.001	<0.001	<0.001	<0.003	
MW-2	08/30/11	11081008-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/28/11	1111901-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/22/12	1202864-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/22/12	12051078-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/11/12	1209475-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/26/12	1211904-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/27/13	L622455-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/11/13	L641163-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/10/13	L656835-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/07/13	L667856-02	<0.001	<0.005	<0.001	<0.003	
MW-3	03/29/06	T 13036-3	0.0129	0.0089	0.0021	0.0038	
MW-3	06/10/06	T13862-3	0.0075	0.0043	0.00071 J	0.002	
MW-3	09/12/06	T14676-3	0.0023	<0.00020	<0.00033	<0.00036	
MW-3	12/06/06	T15618-3	0.0021	0.00077 J	<0.00033	<0.00036	
MW-3	02/28/07	T16494-3	0.0078	0.0026	0.00061	0.0024 J	
MW-3	05/30/07	T17645-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	09/06/07	T18811-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	11/13/07	T19737-3	<0.001	<0.001	<0.001	<0.003	
MW-3	02/26/08	T21028-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	05/28/08	T22367-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	08/18/08	T23538-3	0.0019	<0.0005	<0.0005	<0.0005	
MW-3	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-3	02/17/09	187730	<0.00100	<0.00100	<0.00100	<0.00100	
MW-3	05/19/09	196552	0.0011	<0.000281	<0.000535	<0.000960	
MW-3	08/26/09	208327	<0.000149	<0.000188	<0.000178	<0.000163	
MW-3	11/18/09	215415	<0.000160	<0.000332	<0.000230	<0.000143	
MW-3	02/11/10	222483	<0.000371	<0.0004	<0.00043	<0.000379	
MW-3	08/26/10	1008909-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/18/10	1011749-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/23/11	1102701-06	<0.001	<0.001	<0.001	<0.003	
MW-3	06/01/11	1106050-03	<0.001	<0.001	<0.001	<0.003	
MW-3	08/30/11	11081008-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/28/11	1111901-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/22/12	1202864-03	<0.001	<0.001	<0.001	<0.003	

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal Mainline #5
SRS #2003-00134
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOC Remediation Criteria							
0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L				
MW-3	05/22/12	12051078-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/11/12	1209475-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/26/12	1211904-02	<0.001	<0.001	<0.001	<0.003	
MW-3	02/27/13	L622455-03	<0.001	<0.005	<0.001	<0.003	
MW-3	06/11/13	L641163-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/10/13	L656835-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/07/13	L667856-03	<0.001	<0.005	<0.001	<0.003	
MW-4	12/06/06	T15618-4	<0.00035	<0.00020	<0.00033	<0.00036	
MW-4	02/28/07	T16494-4	<0.00035	<0.00020	<0.00033	<0.00036	
MW-4	05/30/07	T17645-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	09/06/07	T18811-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	11/13/07	T19737-4	<0.001	<0.001	<0.001	<0.003	
MW-4	02/26/08	T21028-4	0.00086 J	<0.00023	<0.00035	<0.00055	
MW-4	05/28/08	T22367-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	08/18/08	T23538-4	<0.0005	<0.0005	<0.0005	<0.001	
MW-4	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-4	02/17/09	187731	<0.00100	<0.00100	<0.00100	<0.00100	
MW-4	05/19/09	196553	<0.000133	<0.000281	<0.000535	<0.000960	
MW-4	08/26/09	208328	<0.000149	<0.000188	<0.000178	<0.000163	
MW-4	11/18/09	215416	<0.000160	<0.000332	<0.000230	<0.000143	
MW-4	02/11/10	222484	<0.000371	<0.0004	<0.00043	<0.000379	
MW-4	05/12/10	1005475-04	<0.001	<0.001	<0.001	<0.003	
MW-4	08/26/10	1008909-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/18/10	1011749-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/23/11	1102701-07	<0.001	<0.001	<0.001	<0.003	
MW-4	06/01/11	1106050-04	<0.001	<0.001	<0.001	<0.003	
MW-4	08/30/11	11081008-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/28/11	1111901-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/22/12	1202864-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/22/12	12051078-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/11/12	1209475-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/26/12	1211904-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/27/13	L622455-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/11/13	L641163-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/10/13	L656835-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/07/13	L667856-04	<0.001	<0.005	<0.001	<0.003	
MW-5	12/06/06	T15618-5	0.00055 J	<0.00020	<0.00033	<0.00036	
MW-5	02/28/07	T16494-5	<0.00035	<0.00020	<0.00033	<0.00036	
MW-5	05/30/07	T17645-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	09/06/07	T18811-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	11/13/07	T19737-5	<0.001	<0.001	<0.001	<0.003	
MW-5	02/26/08	T21028-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	05/28/08	T22367-5	<0.00021	<0.00023	<0.00035	<0.00055	

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal Mainline #5
SRS #2003-00134
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L				
MW-5	08/18/08	T23538-5	<0.0005	<0.0005	<0.0005	<0.001	
MW-5	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-5	02/17/09	187732	<0.00100	<0.00100	<0.00100	<0.00100	
MW-5	05/19/09	196554	<0.000133	<0.000281	<0.000535	<0.000960	
MW-5	08/26/09	208329	<0.000149	<0.000188	<0.000178	<0.000163	
MW-5	11/18/09	215417	<0.000160	<0.000332	<0.000230	<0.000143	
MW-5	02/11/10	222485	<0.000371	<0.0004	<0.00043	<0.000379	
MW-5	05/12/10	1005475-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/26/10	1008909-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/18/10	1011749-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/23/11	1102701-08	<0.001	<0.001	<0.001	<0.003	
MW-5	06/01/11	1106050-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/30/11	11081008-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/28/11	1111901-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/22/12	1202864-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/22/12	12051078-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/11/12	1209475-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/26/12	1211904-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/27/13	L622455-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/11/13	L641163-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/10/13	L656835-05	<0.001	<0.005	<0.001	<0.003	
MW-5	11/07/13	L667856-05	<0.001	<0.005	<0.001	<0.003	
MW-6	12/06/06	T15618-6	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	02/28/07	T16494-6	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	05/30/07	T17645-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	09/06/07	T18811-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	11/13/07	T19737-6	<0.001	<0.001	<0.001	<0.003	
MW-6	02/26/08	T21028-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	05/28/08	T22367-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	08/18/08	T23538-6	<0.0005	<0.0005	<0.0005	<0.001	
MW-6	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	02/17/09	187733	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	05/19/09	196555	<0.000133	<0.000281	<0.000535	<0.000960	
MW-6	08/26/09	208330	<0.000149	<0.000188	<0.000178	<0.000163	
MW-6	11/18/09	215418	<0.000160	<0.000332	<0.000230	<0.000143	
MW-6	02/11/10	222486	<0.000371	<0.0004	<0.00043	<0.000379	
MW-6	05/12/10	1005475-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/26/10	1008909-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/18/10	1011749-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/23/11	1102701-09	<0.001	<0.001	<0.001	<0.003	
MW-6	06/01/11	1106050-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/30/11	11081008-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/28/11	1111901-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/22/12	1202864-06	<0.001	<0.001	<0.001	<0.003	

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal Mainline #5
SRS #2003-00134
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOC Remediation Criteria							
0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L				
MW-6	05/22/12	12051078-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/11/12	1209475-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/26/12	1211904-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/27/13	L622455-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/11/13	L641163-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/10/13	L656835-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/07/13	L667856-06	<0.001	<0.005	<0.001	<0.003	
MW-7	12/06/06	T15618-7	<0.00035	<0.00020	<0.00033	<0.00036	
MW-7	02/28/07	T16494-7	0.0114	<0.00020	<0.00033	<0.00036	
MW-7	05/30/07	T17645-7	0.0049	<0.00023	<0.00035	<0.00055	
MW-7	09/06/07	T18811-7	0.00073 J	<0.00023	<0.00035	<0.00055	
MW-7	11/13/07	T19737-7	<0.001	<0.001	<0.001	<0.003	
MW-7	02/26/08	T21028-7	<0.00021	<0.00023	<0.00035	<0.00055	
MW-7	05/28/08	T22367-7	0.00053 J	<0.00023	<0.00035	<0.00055	
MW-7	08/18/08	T23538-7	<0.0005	<0.0005	<0.0005	<0.001	
MW-7	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-7	02/17/09	187734	<0.00100	<0.00100	<0.00100	<0.00100	
MW-7	05/19/09	196556	<0.000133	<0.000281	<0.000535	<0.000960	
MW-7	08/26/09	208331	<0.000149	<0.000188	<0.000178	<0.000163	
MW-7	11/18/09	215419	<0.000160	<0.000332	<0.000230	<0.000143	
MW-7	02/11/10	222487	<0.000371	<0.0004	<0.00043	<0.000379	
MW-7	05/12/10	1005475-07	<0.001	<0.001	<0.001	<0.003	
MW-7	08/26/10	1008909-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/18/10	1011749-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/23/11	1102701-10	<0.001	<0.001	<0.001	<0.003	
MW-7	06/01/11	1106050-07	<0.001	<0.001	<0.001	<0.003	
MW-7	08/30/11	11081008-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/28/11	1111901-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/22/12	1202864-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/22/12	12051078-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/11/12	1209475-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/26/12	1211904-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/27/13	L622455-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/11/13	L641163-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/10/13	L656835-07	<0.001	<0.005	<0.001	<0.003	
MW-7	11/07/13	L667856-07	<0.001	<0.005	<0.001	<0.003	
RW-1	06/01/11	1106050-08	0.066	0.016	0.057	0.18	
RW-1	02/22/12	NS	NS	NS	NS	NS	
RW-1	05/22/12	12051078-08	0.11	0.066	0.077	0.36	
RW-1	09/11/12	NS	NS	NS	NS	NS	
RW-1	11/26/12	NS	NS	NS	NS	NS	
RW-1	02/27/13	NS	NS	NS	NS	NS	
RW-1	06/11/13	L641163-08	0.015	0.0045 J	0.068	0.2	

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L				
RW-1	09/10/13	NS	NS	NS	NS	NS	
RW-1	11/07/13	NS	NS	NS	NS	NS	
RW-2	06/01/11	1106050-09	0.034	0.038	0.051	0.14	
RW-2	02/22/12	NS	NS	NS	NS	NS	
RW-2	05/22/12	12051078-09	0.19	0.2	0.18	0.49	
RW-2	09/11/12	NS	NS	NS	NS	NS	
RW-2	11/26/12	NS	NS	NS	NS	NS	
RW-2	02/27/13	NS	NS	NS	NS	NS	
RW-2	06/11/13	L641163-09	0.028	0.04	0.063	0.18	
RW-2	09/10/13	NS	NS	NS	NS	NS	
RW-2	11/07/13	NS	NS	NS	NS	NS	
RW-3	06/01/11	110650-10	0.21	0.2	0.18	0.39	
RW-3	02/22/12	NS	NS	NS	NS	NS	
RW-3	05/22/12	12051078-10	0.31	0.66	0.56	1.1	
RW-3	09/11/12	NS	NS	NS	NS	NS	
RW-3	11/26/12	NS	NS	NS	NS	NS	
RW-3	02/27/13	NS	NS	NS	NS	NS	
RW-3	06/11/13	L641163-10	0.016	0.078	0.14	0.32	
RW-3	09/10/13	NS	NS	NS	NS	NS	
RW-3	11/07/13	NS	NS	NS	NS	NS	
RW-4	12/06/06	T15618-8	0.00099 J	0.00035 J	<0.00033	<0.00036	
RW-4	02/28/07	T16494-8	<0.00035	<0.00020	<0.00033	<0.00036	
RW-4	05/30/07	T17645-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	09/06/07	T18811-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	11/13/07	T19737-8	<0.001	<0.001	<0.001	<0.003	
RW-4	02/26/08	T21028-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	05/28/08	T22367-11	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	08/18/08	T23538-8	<0.0005	<0.0005	<0.0005	<0.001	
RW-4	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
RW-4	02/17/09	187735	<0.00100	<0.00100	<0.00100	<0.00100	
RW-4	05/19/09	196560	<0.000133	<0.000281	<0.000535	<0.000960	
RW-4	08/26/09	208332	<0.000149	<0.000188	<0.000178	<0.000163	
RW-4	11/18/09	215420	<0.000160	<0.000332	<0.000230	<0.000143	
RW-4	02/11/10	222488	<0.000371	<0.0004	<0.00043	<0.000379	
RW-4	05/12/10	1005475-11	<0.001	<0.001	<0.001	<0.003	
RW-4	08/26/10	1008909-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/18/10	1011749-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/23/11	1102701-01	<0.001	<0.001	<0.001	<0.003	
RW-4	06/01/11	1106050-11	<0.001	<0.001	<0.001	<0.003	
RW-4	08/30/11	11081008-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/28/11	1111901-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/22/12	1202864-08	<0.001	<0.001	<0.001	<0.003	

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
 Plains Marketing, L.P.
 Vacuum to Jal Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L				
RW-4	05/22/12	12051078-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/11/12	1209475-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/26/12	1211904-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/27/13	L622455-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/11/13	L641163-11	<0.001	<0.005	<0.001	<0.003	
RW-4	09/10/13	L656835-08	<0.001	<0.005	<0.001	<0.003	
RW-4	11/07/13	L667856-08	<0.001	<0.005	<0.001	<0.003	
RW-5	12/06/06	T15618-9	0.0035	0.00095 J	0.00043 J	<0.00036	
RW-5	02/28/07	T16494-9	0.0193	0.0038	0.0015	0.0014 J	
RW-5	05/30/07	T17645-9	0.0045	0.0011	0.00066 J	0.00056 J	
RW-5	09/06/07	T18811-9	0.0012	<0.00023	<0.00035	<0.00055	
RW-5	11/13/07	T19737-9	0.0024	<0.001	<0.001	<0.003	
RW-5	02/26/08	T21028-9	<0.00021	<0.00023	<0.00035	<0.00055	
RW-5	05/28/08	T22367-12	0.00045 J	<0.00023	<0.00035	<0.00055	
RW-5	08/18/08	T23538-9	<0.0005	<0.0005	<0.0005	<0.001	
RW-5	11/19/08	8112008	0.00260	<0.00100	<0.00100	<0.00100	
RW-5	02/17/09	187736	0.0048	<0.00100	<0.00100	<0.00100	
RW-5	05/19/09	196561	0.0003 J	<0.000281	<0.000535	0.0016	
RW-5	08/26/09	208333	0.0024	<0.000281	<0.000535	<0.000960	
RW-5	11/18/09	215421	0.0008 J	<0.000332	<0.000230	<0.000143	
RW-5	02/11/10	222489	<0.000371	<0.0004	<0.00043	<0.000379	
RW-5	05/12/10	1005475-12	<0.001	<0.001	<0.001	<0.003	
RW-5	08/26/10	1008909-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/18/10	1011749-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/23/11	1102701-02	<0.001	<0.001	<0.001	<0.003	
RW-5	06/01/11	1106050-12	<0.001	<0.001	<0.001	<0.003	
RW-5	08/30/11	11081008-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/28/11	1111901-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/22/12	1202864-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/22/12	12051078-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/11/12	1209475-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/26/12	1211904-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/27/13	L622455-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/10/13	L656835-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/07/13	L667856-09	<0.001	<0.005	<0.001	<0.003	
RW-6	12/06/06	T15618-10	<0.00035	<0.00020	<0.00033	<0.00036	
RW-6	02/28/07	T16494-10	<0.00035	<0.00020	<0.00033	<0.00036	
RW-6	05/30/07	T17645-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	09/06/07	T18811-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	11/13/07	T19737-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/26/08	T21028-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	05/28/08	T22367-13	<0.00021	<0.00023	<0.00035	<0.00055	

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Vacuum to Jal Mainline #5
SRS #2003-00134
Lea County, New Mexico

Well Number	Sample Date	Sample ID	SW 846-8021B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
NMOCD Remediation Criteria							
0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L				
RW-6	08/18/08	T23538-10	<0.0005	<0.0005	<0.0005	<0.001	
RW-6	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
RW-6	02/17/09	187737	<0.00100	<0.00100	<0.00100	<0.00100	
RW-6	05/19/09	196562	0.0008 J	<0.000281	<0.000535	<0.000960	
RW-6	08/26/09	208334	0.0002 J	<0.000281	<0.000535	<0.000960	
RW-6	11/18/09	215422	<0.000160	<0.000332	<0.000230	<0.000143	
RW-6	02/11/10	222490	<0.000371	<0.0004	<0.00043	<0.000379	
RW-6	05/12/10	1005475-13	<0.001	<0.001	<0.001	<0.003	
RW-6	08/26/10	1008909-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/18/10	1011749-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/23/11	1102701-03	<0.001	<0.001	<0.001	<0.003	
RW-6	06/01/11	1106050-13	<0.001	<0.001	<0.001	<0.003	
RW-6	08/30/11	11081008-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/28/11	1111901-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/22/12	1202864-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/22/12	12051078-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/11/12	1209475-09	<0.001	<0.001	<0.001	<0.003	
RW-6	11/26/12	1211904-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/27/13	L622455-10	<0.001	<0.005	<0.001	<0.003	
RW-6	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003	
RW-6	09/10/13	L656835-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/07/13	L667856-10	<0.001	<0.005	<0.001	<0.003	
RW-7	11/07/13	L667856-11	<0.001	<0.005	<0.001	<0.003	

NMOCD: New Mexico Oil Conservation Division

Exceedences of NMOCD Remediation Criteria are shown in **bold**

^a Result is from Run #2

J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)

TABLE 5
GROUNDWATER ANALYTICAL RESULTS for POLYNUCLEAR AROMATIC HYDROCARBONS
from WELLS with PSH/SHEEN
Plains Marketing, L.P.
Vacuum to Jal Mainline #5
SRS #2003-00134
Lea County, New Mexico

Monitoring Well	Sample Date	Lab Report #	Naphthalene	Acenaphthylene	Acenaphthene	Flourene	Indeno(1,2,3-cd)pyre	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]-anthracene	Chrysene	Benzo[b]-fluoranthene	Benzo[a]-pyrene	Dibenzofuran	Dibenz[a,h]-anthracene	Benzo[g,h,i]-perylene	Benzo(k)fluoranthene	1-Methylnaphthalene	2-Methylnaphthalene	Total methylnaphthalene	TPH-GRO (C6-C10)	TPH (C10-C28)	TPH (C28-C30)
Units			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Other regulatory limits (Tap Water*)			***		365	243	0.91	1100	1830	1460	183	0.91	29.1	0.91	0.7**		0.091		9.1			***			
MW-1	12/7/2011	1112252-01	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	NA	NA	NA	NA	NA
MW-1	5/22/2012	12051078-01	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965		<0.0965	<0.0965	<0.0965	NA	NA	NA	NA	NA	NA
RW-1	5/28/2008	T22367-8	14.1	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		13		9.01	3.28	
RW-1	5/19/2009	196557	17.6	<0.0707	<0.131	1.98	<0.0801	2.76	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	<0.0558	2.34	<0.0628	<0.0765	19.9	17.2	37.1	3.73	<0.876	
RW-1	5/12/2010	1005475-08	2	<0.20	<0.20	0.31	<0.20	0.39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.39	<0.20	<0.20	2.8	2.3	5.1	6.5	4.6	<0.47
RW-1	5/22/2012	12051078-08	17.1	0.196	0.167	<0.0982	<0.0982	1.59	<0.0982	1.17	<0.0982	<0.0982	0.208	<0.0982	<0.0982		<0.0982	<0.0982	<0.0982	NA	NA	NA	NA	NA	NA
RW-1	6/11/2013	L641163-08	8.7	0.069	0.14	0.51	<0.015	0.42 J	0.046 J	<0.016	0.021	<0.012	<0.040	<0.014	<0.012	0.081	<0.040	<0.011	<0.014	8.3	6.9	NA	NA	NA	NA
RW-2	5/28/2008	T-22367-9	10	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		7.4		3.61	1.53	
RW-2	5/19/2009	196558	2.66	<0.0707	<0.131	1.17	<0.0801	1.49	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	<0.0558	1.05	<0.0628	<0.0765	5.64	4.16	9.8	1.77	<0.876	
RW-2	5/12/2010	1005475-09	30	<0.20	<0.20	2.5	<0.20	4.4	<0.20	<0.20	0.24	<0.20	0.68	<0.20	<0.20	<0.20	4.2	<0.20	<0.20	43	44	87	110	170	20
RW-2	5/22/2012	12051078-09	82.5	2.47	1.12	12.6	<0.0971	24.8	0.579	0.907	0.756	0.852	3.71	<0.0971	<0.0971	NA	<0.0971	<0.0971	<0.0971	NA	NA	NA	NA	NA	NA
RW-2	6/11/2013	L641163-09	6.7	0.07	0.12	0.39	<0.015	0.28	0.086	0.39	0.047	<0.012	<0.011	0.014	<0.012	0.66	<0.004	<0.011	<0.014	5.8	4.9	NA	NA	NA	NA
RW-3	5/28/2008	T22367-10	13.5	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		7.8		3.81	0.292	
RW-3	5/19/2009	196559	25	<0.0707	<0.131	2.29	<0.0801	3.26	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0633	<0.0506	<0.0558	3.24	<0.0628	<0.0765	27.2	22.6	49.8	3.1 J	1.18 J	
RW-3	5/12/2010	1005475-10	33	<0.20	0.47	3.7	<0.20	6.3	0.54	<0.20	<0.20	<0.20	1	<0.20	<0.20	<0.20	4.6	<0.20	<0.20	53	53	106	120	170	26
RW-3	5/22/2012	12051078-10	42.6	1.26	0.874	7.16	<0.0988	20.7	1.13	0.706	0.646	<0.0988	2.01	0.153	<0.0988	NA	<0.0988	<0.0988	0.188	NA	NA	NA	NA	NA	NA
RW-3	6/11/2013	L641163-10	10	0.46	0.82	2.3	<0.015	2	0.31	0.37	0.57	0.29	0.32	<0.014	<0.012	2.9	0.12	<0.011	<0.014	13	12	NA	NA	NA	NA

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in **bold**
J: Analyte detected below method detection limit (MDL but above sample detection limit (SDL)
* Values reported from run 2 as carry over was reported in run 1
Tap Water*: New Mexico Environmental Department (NMED) Tap Water Soil screening levels for residential scenarios.
*** = NM Water Quality Standard for PAHs is 30µg/L for total naphthalenes plus monomethylnaphthalenes (total methylnaphthalenes)
** = NM Water Quality Standard
^a Estimated concentration value greater than standard range
NA: Not analyzed

TABLE 6
 2013 PSH AND DISSOLVED GROUNDWATER RECOVERY
 Plains Marketing, L.P.
 Vacuum to Jal 14" Mainline #5
 SRS #2003-00134
 Lea County, New Mexico

Well	PSH Recovered (gallons)	Groundwater Recovered (gallons)	Total Fluids Recovered (gallons)
RW1	9.70	265.75	275.45
RW2	19.85	279.75	299.6
RW3	5.35	230.00	235.35
RW-8	8.00	18.50	26.5
Totals for 2013	34.9	775.5	810.4

Note: The above estimated gallons of total fluids (PSH and groundwater) include those pumped and manually bailed; these are
 estimated values.

TABLE 7
2013 Soil Analytical Results
Lains Marketing, L.P.
Vacuum to Jal 14" Mainline #5
SRS #2003-00134
Lea County, New Mexico

Well Number	Sample Date	Sample ID	8260B				
			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)
			NMOCD Remediation Criteria				
			10.0				50
RW-7	11/05/13	30-35 ft	<0.0050	<0.025	<0.0050	<0.015	<0.025
RW-7	11/05/13	50-55 ft	<0.0050	<0.025	<0.0050	<0.015	<0.025
RW-7	11/05/13	65 ft	<0.0050	<0.025	<0.0050	<0.015	<0.025
RW-8	11/05/13	40-45 ft.	<0.0050	<0.025	<0.0050	<0.015	<0.025
RW-8	11/05/13	45-50 ft.	0.072 J	0.84 J	3.0	9.0	12.9

APPENDIX A

2013 Laboratory Analytical Data

1st Quarter – Laboratory Report ID# L622455

2nd Quarter – Laboratory Report ID# L641163

3rd Quarter – Laboratory Report ID# L656835

4th Quarter – Laboratory Report ID# L667856

Chain of Custody Documentation



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Est. 1970

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Wednesday March 06, 2013

Report Number: L622455

Samples Received: 02/28/13

Client Project:

Description: VAC to JAL #5

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5

Sample ID : MW 1

Collected By : Shane Diller
Collection Date : 02/27/13 13:40

ESC Sample # : L622455-01

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/01/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/01/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/01/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/01/13	1
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	03/01/13	1
Dibromofluoromethane	102.				% Rec.		8260B	03/01/13	1
a,a,a-Trifluorotoluene	102.				% Rec.		8260B	03/01/13	1
4-Bromofluorobenzene	104.				% Rec.		8260B	03/01/13	1

U = ND (Not Detected) = Less than SDL

Note:

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Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5

Sample ID : MW 2

Collected By : Shane Diller
Collection Date : 02/27/13 14:00

ESC Sample # : L622455-02

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/01/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/01/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/01/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/01/13	1
Surrogate Recovery									
Toluene-d8	102.				% Rec.		8260B	03/01/13	1
Dibromofluoromethane	102.				% Rec.		8260B	03/01/13	1
a,a,a-Trifluorotoluene	100.				% Rec.		8260B	03/01/13	1
4-Bromofluorobenzene	102.				% Rec.		8260B	03/01/13	1

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March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5
Sample ID : MW 3
Collected By : Shane Diller
Collection Date : 02/27/13 14:05

ESC Sample # : L622455-03

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/01/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/01/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/01/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/01/13	1
Surrogate Recovery									
Toluene-d8	99.8				% Rec.		8260B	03/01/13	1
Dibromofluoromethane	103.				% Rec.		8260B	03/01/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/01/13	1
4-Bromofluorobenzene	104.				% Rec.		8260B	03/01/13	1

U = ND (Not Detected) = Less than SDL

Note:

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March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5

Sample ID : MW 4

Collected By : Shane Diller
Collection Date : 02/27/13 14:10

ESC Sample # : L622455-04

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/01/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/01/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/01/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/01/13	1
Surrogate Recovery									
Toluene-d8	100.				% Rec.		8260B	03/01/13	1
Dibromofluoromethane	101.				% Rec.		8260B	03/01/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/01/13	1
4-Bromofluorobenzene	107.				% Rec.		8260B	03/01/13	1

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March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5

Sample ID : MW 5

Collected By : Shane Diller
Collection Date : 02/27/13 13:35

ESC Sample # : L622455-05

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/01/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/01/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/01/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/01/13	1
Surrogate Recovery									
Toluene-d8	103.				% Rec.		8260B	03/01/13	1
Dibromofluoromethane	101.				% Rec.		8260B	03/01/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/01/13	1
4-Bromofluorobenzene	103.				% Rec.		8260B	03/01/13	1

U = ND (Not Detected) = Less than SDL

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March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5
Sample ID : MW 6
Collected By : Shane Diller
Collection Date : 02/27/13 13:45

ESC Sample # : L622455-06

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/01/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/01/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/01/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/01/13	1
Surrogate Recovery									
Toluene-d8	100.				% Rec.		8260B	03/01/13	1
Dibromofluoromethane	104.				% Rec.		8260B	03/01/13	1
a,a,a-Trifluorotoluene	101.				% Rec.		8260B	03/01/13	1
4-Bromofluorobenzene	104.				% Rec.		8260B	03/01/13	1

U = ND (Not Detected) = Less than SDL

Note:

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March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5

Sample ID : MW 7

Collected By : Shane Diller
Collection Date : 02/27/13 13:30

ESC Sample # : L622455-07

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/01/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/01/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/01/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/01/13	1
Surrogate Recovery									
Toluene-d8	101.				% Rec.		8260B	03/01/13	1
Dibromofluoromethane	104.				% Rec.		8260B	03/01/13	1
a,a,a-Trifluorotoluene	99.8				% Rec.		8260B	03/01/13	1
4-Bromofluorobenzene	102.				% Rec.		8260B	03/01/13	1

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5

Sample ID : RW 4

Collected By : Shane Diller
Collection Date : 02/27/13 14:15

ESC Sample # : L622455-08

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/05/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/05/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/05/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/05/13	1
Surrogate Recovery									
Toluene-d8	97.8				% Rec.		8260B	03/05/13	1
Dibromofluoromethane	95.2				% Rec.		8260B	03/05/13	1
a,a,a-Trifluorotoluene	98.2				% Rec.		8260B	03/05/13	1
4-Bromofluorobenzene	93.7				% Rec.		8260B	03/05/13	1

U = ND (Not Detected) = Less than SDL

Note:

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Est. 1970

REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5

Sample ID : RW 5

Collected By : Shane Diller
Collection Date : 02/27/13 14:30

ESC Sample # : L622455-09

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/05/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/05/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/05/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/05/13	1
Surrogate Recovery									
Toluene-d8	98.7				% Rec.		8260B	03/05/13	1
Dibromofluoromethane	94.5				% Rec.		8260B	03/05/13	1
a,a,a-Trifluorotoluene	99.2				% Rec.		8260B	03/05/13	1
4-Bromofluorobenzene	93.0				% Rec.		8260B	03/05/13	1

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

March 06, 2013

Date Received : February 28, 2013
Description : VAC to JAL #5

Sample ID : RW 6

Collected By : Shane Diller
Collection Date : 02/27/13 14:25

ESC Sample # : L622455-10

Site ID : VAC TO JAL 5

Project # :

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l		8260B	03/05/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	03/05/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	03/05/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	03/05/13	1
Surrogate Recovery									
Toluene-d8	99.3				% Rec.		8260B	03/05/13	1
Dibromofluoromethane	96.2				% Rec.		8260B	03/05/13	1
a,a,a-Trifluorotoluene	99.0				% Rec.		8260B	03/05/13	1
4-Bromofluorobenzene	94.2				% Rec.		8260B	03/05/13	1

U = ND (Not Detected) = Less than SDL

Note:

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Quality Assurance Report
Level II

L622455

March 06, 2013

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG638943	03/01/13 01:25
Ethylbenzene	< .001	mg/l			WG638943	03/01/13 01:25
Toluene	< .005	mg/l			WG638943	03/01/13 01:25
Total Xylenes	< .003	mg/l			WG638943	03/01/13 01:25
4-Bromofluorobenzene		% Rec.	100.9	82-120	WG638943	03/01/13 01:25
Dibromofluoromethane		% Rec.	99.55	82-126	WG638943	03/01/13 01:25
Toluene-d8		% Rec.	103.9	92-112	WG638943	03/01/13 01:25
a,a,a-Trifluorotoluene		% Rec.	102.2	90-116	WG638943	03/01/13 01:25
Benzene	< .001	mg/l			WG639350	03/05/13 13:52
Ethylbenzene	< .001	mg/l			WG639350	03/05/13 13:52
Toluene	< .005	mg/l			WG639350	03/05/13 13:52
Total Xylenes	< .003	mg/l			WG639350	03/05/13 13:52
4-Bromofluorobenzene		% Rec.	94.37	82-120	WG639350	03/05/13 13:52
Dibromofluoromethane		% Rec.	97.64	82-126	WG639350	03/05/13 13:52
Toluene-d8		% Rec.	97.23	92-112	WG639350	03/05/13 13:52
a,a,a-Trifluorotoluene		% Rec.	98.38	90-116	WG639350	03/05/13 13:52

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0230	92.0	72-119	WG638943
Ethylbenzene	mg/l	.025	0.0239	95.4	77-124	WG638943
Toluene	mg/l	.025	0.0241	96.6	75-114	WG638943
Total Xylenes	mg/l	.075	0.0721	96.1	77-123	WG638943
4-Bromofluorobenzene				101.6	82-120	WG638943
Dibromofluoromethane				104.0	82-126	WG638943
Toluene-d8				102.3	92-112	WG638943
a,a,a-Trifluorotoluene				101.2	90-116	WG638943
Benzene	mg/l	.025	0.0236	94.5	72-119	WG639350
Ethylbenzene	mg/l	.025	0.0261	104.	77-124	WG639350
Toluene	mg/l	.025	0.0251	100.	75-114	WG639350
Total Xylenes	mg/l	.075	0.0781	104.	77-123	WG639350
4-Bromofluorobenzene				95.75	82-120	WG639350
Dibromofluoromethane				97.47	82-126	WG639350
Toluene-d8				99.03	92-112	WG639350
a,a,a-Trifluorotoluene				99.12	90-116	WG639350

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0225	0.0230	90.0	72-119	2.31	20	WG638943
Ethylbenzene	mg/l	0.0236	0.0239	94.0	77-124	0.870	20	WG638943
Toluene	mg/l	0.0232	0.0241	93.0	75-114	3.89	20	WG638943
Total Xylenes	mg/l	0.0692	0.0721	92.0	77-123	4.13	20	WG638943
4-Bromofluorobenzene				99.30	82-120			WG638943
Dibromofluoromethane				99.53	82-126			WG638943
Toluene-d8				103.0	92-112			WG638943
a,a,a-Trifluorotoluene				100.8	90-116			WG638943
Benzene	mg/l	0.0235	0.0236	94.0	72-119	0.390	20	WG639350
Ethylbenzene	mg/l	0.0261	0.0261	104.	77-124	0.0400	20	WG639350
Toluene	mg/l	0.0250	0.0251	100.	75-114	0.620	20	WG639350
Total Xylenes	mg/l	0.0778	0.0781	104.	77-123	0.500	20	WG639350
4-Bromofluorobenzene				92.15	82-120			WG639350

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report
Level II

March 06, 2013

L622455

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Dibromofluoromethane				95.92	82-126			
Toluene-d8				99.40	92-112			
a,a,a-Trifluorotoluene				98.22	90-116			

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/l	0.0202	0	.025	80.6	51-134	L622407-01	WG638943
Ethylbenzene	mg/l	0.0214	0	.025	85.6	64-135	L622407-01	WG638943
Toluene	mg/l	0.0211	0	.025	84.5	61-126	L622407-01	WG638943
Total Xylenes	mg/l	0.0644	0	.075	85.9	64-133	L622407-01	WG638943
4-Bromofluorobenzene				103.4	82-120			WG638943
Dibromofluoromethane				102.2	82-126			WG638943
Toluene-d8				101.5	92-112			WG638943
a,a,a-Trifluorotoluene				101.1	90-116			WG638943
Benzene	mg/l	0.0196	0	.025	78.4	51-134	L622649-05	WG639350
Ethylbenzene	mg/l	0.0226	0	.025	90.2	64-135	L622649-05	WG639350
Toluene	mg/l	0.0209	0	.025	83.6	61-126	L622649-05	WG639350
Total Xylenes	mg/l	0.0672	0	.075	89.6	64-133	L622649-05	WG639350
4-Bromofluorobenzene				94.39	82-120			WG639350
Dibromofluoromethane				95.30	82-126			WG639350
Toluene-d8				98.70	92-112			WG639350
a,a,a-Trifluorotoluene				99.49	90-116			WG639350

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/l	0.0217	0.0202	86.7	51-134	7.29	20	L622407-01	WG638943
Ethylbenzene	mg/l	0.0236	0.0214	94.3	64-135	9.74	20	L622407-01	WG638943
Toluene	mg/l	0.0228	0.0211	91.1	61-126	7.50	20	L622407-01	WG638943
Total Xylenes	mg/l	0.0704	0.0644	93.9	64-133	8.89	20	L622407-01	WG638943
4-Bromofluorobenzene				102.7	82-120				WG638943
Dibromofluoromethane				99.81	82-126				WG638943
Toluene-d8				101.2	92-112				WG638943
a,a,a-Trifluorotoluene				101.6	90-116				WG638943
Benzene	mg/l	0.0193	0.0196	77.3	51-134	1.48	20	L622649-05	WG639350
Ethylbenzene	mg/l	0.0224	0.0226	89.4	64-135	0.930	20	L622649-05	WG639350
Toluene	mg/l	0.0203	0.0209	81.1	61-126	3.02	20	L622649-05	WG639350
Total Xylenes	mg/l	0.0659	0.0672	87.9	64-133	1.91	20	L622649-05	WG639350
4-Bromofluorobenzene				96.63	82-120				WG639350
Dibromofluoromethane				96.42	82-126				WG639350
Toluene-d8				97.96	92-112				WG639350
a,a,a-Trifluorotoluene				98.29	90-116				WG639350

Batch number /Run number / Sample number cross reference

WG638943: R2567438: L622455-01 02 03 04 05 06 07
WG639350: R2571481: L622455-08 09 10

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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EnTech Consulting Corporation
Kathleen Buxton
21 Waterway Ave., Suite 300

The Woodlands, TX 77380

Quality Assurance Report
Level II

L622455

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March 06, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Analysis/Container/Preservative

C012

of Custody
1 of 2



12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to: **Kathleen Buxton** Email: **kathleen.buxton@entechservi**

Project Description: **Vac to Jal 5** City/State Collected: **NM**
Phone: (979) 997-2338 Client Project #: Lab Project #
FAX: PLAINSENT-MIDLAND

Collected by (print): **SHANE DILLER** Site/Facility ID#: **Vac to Jal 5** P.O.#:
Collected by (signature): **[Signature]** Rush? (Lab MUST Be Notified)
Immediately Packed on Ice N ___ Y **X**
Date Results Needed
Email? ___ No **X** Yes
FAX? ___ No ___ Yes
No. of Cntrs

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260B TEX 40ml Amb-HCI	Analysis/Container/Preservative	Remarks/Contaminant	Sample # (lab only)
mw 1	6	GW	1340	2-27		2	X		L622455-21	
mw 2		GW	1400			2	X			02
mw 3		GW	1405			2	X			03
mw 4		GW	1410			2	X			04
mw 5		GW	1335			2	X			05
mw 6		GW	1345			2	X			06
mw 7		GW	1330			2	X			07
Rw 4		GW	1415			2	X			08
Rw 5	6	GW	1430	2-27		2	X			09

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) [Signature]	Date: 2-27	Time: 1800	Received by: (Signature) [Signature]	Samples returned via: ☒ FedEx ☐ UPS ☐ Courier	Condition: 5F (lab use only)
Relinquished by: (Signature) [Signature]	Date:	Time:	Received by: (Signature) [Signature]	Temp: 36 Bottles Received: 20+1TB	COC Seal Intact: Y N NA
Relinquished by: (Signature) [Signature]	Date:	Time:	Received for lab by: (Signature) [Signature]	Date: 2-28-13 Time: 0900	pH Checked: NCF:

Relinquished by: (Signature) <i>[Signature]</i>	Date: 2-27	Time: 1800	Received by: (Signature) <i>[Signature]</i>	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier	Condition: JP (lab use only) <i>[initials]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature) <i>[Signature]</i>	Temp: 36 Bottles Received: 20+ITB	COC Seal Intact: ☒ Y ☐ N ☐ NA
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 2-28-13 Time: 0900	pH Checked: ☐ NCF: ☐



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Kathleen Buxton
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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Thursday June 20, 2013

Report Number: L641163

Samples Received: 06/13/13

Client Project: PAA12014

Description: Vac to Jal#5

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : MW-1

Collected By : Kathleen Buxton
Collection Date : 06/11/13 14:30

ESC Sample # : L641163-01

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	97.5				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	109.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	99.8				% Rec.	8260B	06/15/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : MW-2

Collected By : Kathleen Buxton
Collection Date : 06/11/13 13:35

ESC Sample # : L641163-02

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	98.2				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	102.				% Rec.	8260B	06/15/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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21 Waterway Ave., Suite 300
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June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : MW-3

Collected By : Kathleen Buxton
Collection Date : 06/11/13 12:05

ESC Sample # : L641163-03

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	99.3				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	104.				% Rec.	8260B	06/15/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : MW-4

Collected By : Kathleen Buxton
Collection Date : 06/11/13 12:40

ESC Sample # : L641163-04

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	99.2				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	107.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	96.9				% Rec.	8260B	06/15/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : MW-5

Collected By : Kathleen Buxton
Collection Date : 06/11/13 11:25

ESC Sample # : L641163-05

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	105.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	98.7				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	102.				% Rec.	8260B	06/15/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : MW-6

Collected By : Kathleen Buxton
Collection Date : 06/11/13 13:55

ESC Sample # : L641163-06

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	106.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	98.6				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	109.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	101.				% Rec.	8260B	06/15/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : MW-7

Collected By : Kathleen Buxton
Collection Date : 06/11/13 15:05

ESC Sample # : L641163-07

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	105.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	99.6				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	96.9				% Rec.	8260B	06/15/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : RW-1

Collected By : Kathleen Buxton
Collection Date : 06/11/13 17:40

ESC Sample # : L641163-08

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.015	0.00033	0.00033	0.0010	mg/l		8260B	06/15/13	1
Toluene	0.0045	0.00078	0.00078	0.0050	mg/l	J	8260B	06/15/13	1
Ethylbenzene	0.068	0.00038	0.00038	0.0010	mg/l		8260B	06/15/13	1
Total Xylenes	0.20	0.0011	0.0011	0.0030	mg/l		8260B	06/15/13	1
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	06/15/13	1
Dibromofluoromethane	97.4				% Rec.		8260B	06/15/13	1
a,a,a-Trifluorotoluene	109.				% Rec.		8260B	06/15/13	1
4-Bromofluorobenzene	101.				% Rec.		8260B	06/15/13	1
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.000046	0.0000076	0.0000076	0.000050	mg/l	J	8270C-S	06/18/13	1
Acenaphthene	0.00014	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/18/13	1
Acenaphthylene	0.000069	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(b)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/18/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/18/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/18/13	1
Dibenzofuran	0.00081	0.000011	0.000010	0.000050	mg/l		8270C-S	06/18/13	1
Fluoranthene	U	0.000016	0.000016	0.000050	mg/l		8270C-S	06/18/13	1
Fluorene	0.00051	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/18/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/18/13	1
Naphthalene	0.0087	0.000020	0.000020	0.00025	mg/l		8270C-S	06/18/13	1
Phenanthrene	0.00042	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/18/13	1
Pyrene	0.000021	0.000012	0.000012	0.000050	mg/l	J	8270C-S	06/18/13	1
1-Methylnaphthalene	0.0083	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/18/13	1
2-Methylnaphthalene	0.0069	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/18/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/18/13	1
Surrogate Recovery									
Nitrobenzene-d5	102.				% Rec.		8270C-S	06/18/13	1
2-Fluorobiphenyl	95.0				% Rec.		8270C-S	06/18/13	1
p-Terphenyl-d14	100.				% Rec.		8270C-S	06/18/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : RW-2

Collected By : Kathleen Buxton
Collection Date : 06/11/13 18:15

ESC Sample # : L641163-09

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.028	0.00033	0.0016	0.0050	mg/l		8260B	06/15/13	5
Toluene	0.040	0.00078	0.0039	0.025	mg/l		8260B	06/15/13	5
Ethylbenzene	0.063	0.00038	0.0019	0.0050	mg/l		8260B	06/15/13	5
Total Xylenes	0.18	0.0011	0.0053	0.015	mg/l		8260B	06/15/13	5
Surrogate Recovery									
Toluene-d8	105.				% Rec.		8260B	06/15/13	5
Dibromofluoromethane	98.3				% Rec.		8260B	06/15/13	5
a,a,a-Trifluorotoluene	109.				% Rec.		8260B	06/15/13	5
4-Bromofluorobenzene	100.				% Rec.		8260B	06/15/13	5
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.000086	0.0000076	0.0000076	0.000050	mg/l		8270C-S	06/18/13	1
Acenaphthene	0.00012	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/18/13	1
Acenaphthylene	0.000070	0.0000068	0.0000068	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(a)anthracene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(a)pyrene	U	0.000012	0.000012	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(b)fluoranthene	0.000014	0.000014	0.000014	0.000050	mg/l	J	8270C-S	06/18/13	1
Benzo(g,h,i)perylene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/18/13	1
Benzo(k)fluoranthene	U	0.000014	0.000014	0.000050	mg/l		8270C-S	06/18/13	1
Chrysene	U	0.000011	0.000011	0.000050	mg/l		8270C-S	06/18/13	1
Dibenz(a,h)anthracene	U	0.0000040	0.0000040	0.000050	mg/l		8270C-S	06/18/13	1
Dibenzofuran	0.00066	0.000011	0.000010	0.000050	mg/l		8270C-S	06/18/13	1
Fluoranthene	0.000022	0.000016	0.000016	0.000050	mg/l	J	8270C-S	06/18/13	1
Fluorene	0.00039	0.0000085	0.0000085	0.000050	mg/l		8270C-S	06/18/13	1
Indeno(1,2,3-cd)pyrene	U	0.000015	0.000015	0.000050	mg/l		8270C-S	06/18/13	1
Naphthalene	0.0067	0.000020	0.000020	0.00025	mg/l		8270C-S	06/18/13	1
Phenanthrene	0.00028	0.0000082	0.0000082	0.000050	mg/l		8270C-S	06/18/13	1
Pyrene	0.000047	0.000012	0.000012	0.000050	mg/l	J	8270C-S	06/18/13	1
1-Methylnaphthalene	0.0058	0.0000082	0.0000082	0.00025	mg/l		8270C-S	06/18/13	1
2-Methylnaphthalene	0.0049	0.0000090	0.0000090	0.00025	mg/l		8270C-S	06/18/13	1
2-Chloronaphthalene	U	0.0000065	0.0000065	0.00025	mg/l		8270C-S	06/18/13	1
Surrogate Recovery									
Nitrobenzene-d5	97.0				% Rec.		8270C-S	06/18/13	1
2-Fluorobiphenyl	94.5				% Rec.		8270C-S	06/18/13	1
p-Terphenyl-d14	97.5				% Rec.		8270C-S	06/18/13	1

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : RW-3

Collected By : Kathleen Buxton
Collection Date : 06/11/13 16:35

ESC Sample # : L641163-10

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	0.016	0.00033	0.0016	0.0050	mg/l		8260B	06/19/13	5
Toluene	0.078	0.00078	0.0039	0.025	mg/l		8260B	06/19/13	5
Ethylbenzene	0.14	0.00038	0.0019	0.0050	mg/l		8260B	06/19/13	5
Total Xylenes	0.32	0.0011	0.0053	0.015	mg/l		8260B	06/19/13	5
Surrogate Recovery									
Toluene-d8	106.				% Rec.		8260B	06/19/13	5
Dibromofluoromethane	92.9				% Rec.	J1	8260B	06/19/13	5
a,a,a-Trifluorotoluene	166.				% Rec.		8260B	06/19/13	5
4-Bromofluorobenzene	119.				% Rec.		8260B	06/19/13	5
Polynuclear Aromatic Hydrocarbons									
Anthracene	0.00031	0.0000076	0.00015	0.0010	mg/l	J	8270C-S	06/18/13	20
Acenaphthene	0.00082	0.0000082	0.00016	0.0010	mg/l	J	8270C-S	06/18/13	20
Acenaphthylene	0.00046	0.0000068	0.00014	0.0010	mg/l	J	8270C-S	06/18/13	20
Benzo(a)anthracene	0.00029	0.000012	0.00024	0.0010	mg/l	J	8270C-S	06/18/13	20
Benzo(a)pyrene	U	0.000012	0.00023	0.0010	mg/l		8270C-S	06/18/13	20
Benzo(b)fluoranthene	U	0.000014	0.00028	0.0010	mg/l		8270C-S	06/18/13	20
Benzo(g,h,i)perylene	U	0.000011	0.00023	0.0010	mg/l		8270C-S	06/18/13	20
Benzo(k)fluoranthene	U	0.000014	0.00027	0.0010	mg/l		8270C-S	06/18/13	20
Chrysene	0.00032	0.000011	0.00022	0.0010	mg/l	J	8270C-S	06/18/13	20
Dibenz(a,h)anthracene	0.00012	0.0000040	0.000079	0.0010	mg/l	J	8270C-S	06/18/13	20
Dibenzofuran	0.00029	0.0000011	0.000021	0.0010	mg/l		8270C-S	06/18/13	20
Fluoranthene	0.00037	0.000016	0.00031	0.0010	mg/l	J	8270C-S	06/18/13	20
Fluorene	0.0023	0.0000085	0.00017	0.0010	mg/l		8270C-S	06/18/13	20
Indeno(1,2,3-cd)pyrene	U	0.000015	0.00030	0.0010	mg/l		8270C-S	06/18/13	20
Naphthalene	0.010	0.000020	0.00040	0.0050	mg/l		8270C-S	06/18/13	20
Phenanthrene	0.0020	0.0000082	0.00016	0.0010	mg/l		8270C-S	06/18/13	20
Pyrene	0.00057	0.000012	0.00023	0.0010	mg/l	J	8270C-S	06/18/13	20
1-Methylnaphthalene	0.013	0.0000082	0.00016	0.0050	mg/l		8270C-S	06/18/13	20
2-Methylnaphthalene	0.012	0.0000090	0.00018	0.0050	mg/l		8270C-S	06/18/13	20
2-Chloronaphthalene	0.00015	0.0000065	0.00013	0.0050	mg/l	J	8270C-S	06/18/13	20
Surrogate Recovery									
Nitrobenzene-d5	107.				% Rec.	J7	8270C-S	06/18/13	20
2-Fluorobiphenyl	108.				% Rec.	J7	8270C-S	06/18/13	20
p-Terphenyl-d14	99.3				% Rec.	J7	8270C-S	06/18/13	20

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L641163-10 (PAHSIMLVI) - Dilution due to matrix



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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : RW-4

Collected By : Kathleen Buxton
Collection Date : 06/11/13 13:10

ESC Sample # : L641163-11

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	105.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	99.6				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	101.				% Rec.	8260B	06/15/13	1	

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : RW-5

Collected By : Kathleen Buxton
Collection Date : 06/11/13 11:55

ESC Sample # : L641163-12

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/19/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/19/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/19/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/19/13	1	
Surrogate Recovery									
Toluene-d8	99.5				% Rec.	8260B	06/19/13	1	
Dibromofluoromethane	94.8				% Rec.	8260B	06/19/13	1	
a,a,a-Trifluorotoluene	99.3				% Rec.	8260B	06/19/13	1	
4-Bromofluorobenzene	104.				% Rec.	8260B	06/19/13	1	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 06/20/13 10:23 Printed: 06/20/13 10:42



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Est. 1970

REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

June 20, 2013

Date Received : June 13, 2013
Description : Vac to Jal#5

Sample ID : RW-6

Collected By : Kathleen Buxton
Collection Date : 06/11/13 13:53

ESC Sample # : L641163-13

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	06/15/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	06/15/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	06/15/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	06/15/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	06/15/13	1	
Dibromofluoromethane	97.2				% Rec.	8260B	06/15/13	1	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	06/15/13	1	
4-Bromofluorobenzene	96.2				% Rec.	8260B	06/15/13	1	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L641163-08	WG666785	SAMP	Anthracene	R2712349	J
	WG666785	SAMP	Pyrene	R2712349	J
	WG666556	SAMP	Toluene	R2712300	J
L641163-09	WG666785	SAMP	Benzo(b)fluoranthene	R2712349	J
	WG666785	SAMP	Fluoranthene	R2712349	J
	WG666785	SAMP	Pyrene	R2712349	J
L641163-10	WG666785	SAMP	Anthracene	R2712682	J
	WG666785	SAMP	Acenaphthene	R2712682	J
	WG666785	SAMP	Acenaphthylene	R2712682	J
	WG666785	SAMP	Benzo(a)anthracene	R2712682	J
	WG666785	SAMP	Chrysene	R2712682	J
	WG666785	SAMP	Dibenz(a,h)anthracene	R2712682	J
	WG666785	SAMP	Fluoranthene	R2712682	J
	WG666785	SAMP	Pyrene	R2712682	J
	WG666785	SAMP	2-Chloronaphthalene	R2712682	J
	WG666785	SAMP	Nitrobenzene-d5	R2712682	J7
	WG666785	SAMP	2-Fluorobiphenyl	R2712682	J7
	WG666785	SAMP	p-Terphenyl-d14	R2712682	J7
	WG667375	SAMP	a,a,a-Trifluorotoluene	R2713502	J1

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
06/20/13 at 10:42:34

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L641163-01 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-02 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-03 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-04 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-05 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-06 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-07 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-08 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-09 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-10 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-11 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-12 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23
Sample: L641163-13 Account: PLAINSENT Received: 06/13/13 09:30 Due Date: 06/20/13 00:00 RPT Date: 06/20/13 10:23



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Quality Assurance Report
Level II

June 20, 2013

L641163

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG666556	06/15/13 06:00
Ethylbenzene	< .001	mg/l			WG666556	06/15/13 06:00
Toluene	< .005	mg/l			WG666556	06/15/13 06:00
Total Xylenes	< .003	mg/l			WG666556	06/15/13 06:00
4-Bromofluorobenzene		% Rec.	103.1	82-120	WG666556	06/15/13 06:00
Dibromofluoromethane		% Rec.	98.37	82-126	WG666556	06/15/13 06:00
Toluene-d8		% Rec.	103.3	92-112	WG666556	06/15/13 06:00
a,a,a-Trifluorotoluene		% Rec.	107.6	90-116	WG666556	06/15/13 06:00
1-Methylnaphthalene	< .00025	mg/l			WG666785	06/17/13 15:33
2-Chloronaphthalene	< .00005	mg/l			WG666785	06/17/13 15:33
2-Methylnaphthalene	< .00025	mg/l			WG666785	06/17/13 15:33
Acenaphthene	< .00005	mg/l			WG666785	06/17/13 15:33
Acenaphthylene	< .00005	mg/l			WG666785	06/17/13 15:33
Anthracene	< .00005	mg/l			WG666785	06/17/13 15:33
Benzo(a)anthracene	< .00005	mg/l			WG666785	06/17/13 15:33
Benzo(a)pyrene	< .00005	mg/l			WG666785	06/17/13 15:33
Benzo(b)fluoranthene	< .00005	mg/l			WG666785	06/17/13 15:33
Benzo(g,h,i)perylene	< .00005	mg/l			WG666785	06/17/13 15:33
Benzo(k)fluoranthene	< .00005	mg/l			WG666785	06/17/13 15:33
Chrysene	< .00005	mg/l			WG666785	06/17/13 15:33
Dibenz(a,h)anthracene	< .00005	mg/l			WG666785	06/17/13 15:33
Dibenzofuran	< .00005	mg/l			WG666785	06/17/13 15:33
Fluoranthene	< .00005	mg/l			WG666785	06/17/13 15:33
Fluorene	< .00005	mg/l			WG666785	06/17/13 15:33
Indeno(1,2,3-cd)pyrene	< .00005	mg/l			WG666785	06/17/13 15:33
Naphthalene	< .00025	mg/l			WG666785	06/17/13 15:33
Phenanthrene	< .00005	mg/l			WG666785	06/17/13 15:33
Pyrene	< .00005	mg/l			WG666785	06/17/13 15:33
2-Fluorobiphenyl		% Rec.	88.10	64.4-143	WG666785	06/17/13 15:33
Nitrobenzene-d5		% Rec.	91.60	61.3-162	WG666785	06/17/13 15:33
p-Terphenyl-d14		% Rec.	97.60	55.3-145	WG666785	06/17/13 15:33
Benzene	< .001	mg/l			WG667375	06/18/13 22:33
Ethylbenzene	< .001	mg/l			WG667375	06/18/13 22:33
Toluene	< .005	mg/l			WG667375	06/18/13 22:33
Total Xylenes	< .003	mg/l			WG667375	06/18/13 22:33
4-Bromofluorobenzene		% Rec.	106.4	82-120	WG667375	06/18/13 22:33
Dibromofluoromethane		% Rec.	94.51	82-126	WG667375	06/18/13 22:33
Toluene-d8		% Rec.	99.34	92-112	WG667375	06/18/13 22:33
a,a,a-Trifluorotoluene		% Rec.	98.65	90-116	WG667375	06/18/13 22:33

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0227	90.8	72-119	WG666556
Ethylbenzene	mg/l	.025	0.0246	98.4	77-124	WG666556
Toluene	mg/l	.025	0.0231	92.5	75-114	WG666556
Total Xylenes	mg/l	.075	0.0726	96.8	77-123	WG666556
4-Bromofluorobenzene				99.75	82-120	WG666556
Dibromofluoromethane				98.05	82-126	WG666556
Toluene-d8				105.5	92-112	WG666556
a,a,a-Trifluorotoluene				108.4	90-116	WG666556
1-Methylnaphthalene	mg/l	.002	0.00171	85.5	71.2-137	WG666785
2-Chloronaphthalene	mg/l	.002	0.00178	89.2	81.1-129	WG666785

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report
Level II

June 20, 2013

L641163

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
2-Methylnaphthalene	mg/l	.002	0.00169	84.4	69.8-134	WG666785
Acenaphthene	mg/l	.002	0.00191	95.7	80.8-128	WG666785
Acenaphthylene	mg/l	.002	0.00188	94.1	77.2-132	WG666785
Anthracene	mg/l	.002	0.00195	97.6	78.4-136	WG666785
Benzo(a)anthracene	mg/l	.002	0.00185	92.3	69.2-141	WG666785
Benzo(a)pyrene	mg/l	.002	0.00197	98.6	71.1-135	WG666785
Benzo(b)fluoranthene	mg/l	.002	0.00202	101.	69.5-140	WG666785
Benzo(g,h,i)perylene	mg/l	.002	0.00182	90.9	64.6-138	WG666785
Benzo(k)fluoranthene	mg/l	.002	0.00176	88.1	69.3-144	WG666785
Chrysene	mg/l	.002	0.00181	90.5	75.6-138	WG666785
Dibenz(a,h)anthracene	mg/l	.002	0.00180	90.1	64.1-139	WG666785
Dibenzofuran	mg/l	.002	0.00187	93.7	70-130	WG666785
Fluoranthene	mg/l	.002	0.00187	93.6	78.6-135	WG666785
Fluorene	mg/l	.002	0.00187	93.5	78.3-131	WG666785
Indeno(1,2,3-cd)pyrene	mg/l	.002	0.00175	87.4	64.8-140	WG666785
Naphthalene	mg/l	.002	0.00163	81.4	80.2-126	WG666785
Phenanthrene	mg/l	.002	0.00186	93.1	79.6-130	WG666785
Pyrene	mg/l	.002	0.00193	96.7	76.6-134	WG666785
2-Fluorobiphenyl				86.70	64.4-143	WG666785
Nitrobenzene-d5				92.60	61.3-162	WG666785
p-Terphenyl-d14				97.20	55.3-145	WG666785
Benzene	mg/l	.025	0.0276	110.	72-119	WG667375
Ethylbenzene	mg/l	.025	0.0265	106.	77-124	WG667375
Toluene	mg/l	.025	0.0271	108.	75-114	WG667375
Total Xylenes	mg/l	.075	0.0797	106.	77-123	WG667375
4-Bromofluorobenzene				100.1	82-120	WG667375
Dibromofluoromethane				97.98	82-126	WG667375
Toluene-d8				100.0	92-112	WG667375
a,a,a-Trifluorotoluene				99.55	90-116	WG667375

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0224	0.0227	90.0	72-119	1.44	20	WG666556
Ethylbenzene	mg/l	0.0258	0.0246	103.	77-124	4.67	20	WG666556
Toluene	mg/l	0.0231	0.0231	92.0	75-114	0.0300	20	WG666556
Total Xylenes	mg/l	0.0760	0.0726	101.	77-123	4.58	20	WG666556
4-Bromofluorobenzene				105.0	82-120			WG666556
Dibromofluoromethane				95.06	82-126			WG666556
Toluene-d8				104.7	92-112			WG666556
a,a,a-Trifluorotoluene				108.0	90-116			WG666556
1-Methylnaphthalene	mg/l	0.00177	0.00171	88.0	71.2-137	3.32	20	WG666785
2-Chloronaphthalene	mg/l	0.00184	0.00178	92.0	81.1-129	3.32	20	WG666785
2-Methylnaphthalene	mg/l	0.00177	0.00169	88.0	69.8-134	4.58	20	WG666785
Acenaphthene	mg/l	0.00194	0.00191	97.0	80.8-128	1.56	20	WG666785
Acenaphthylene	mg/l	0.00189	0.00188	94.0	77.2-132	0.420	20	WG666785
Anthracene	mg/l	0.00197	0.00195	99.0	78.4-136	1.12	20	WG666785
Benzo(a)anthracene	mg/l	0.00183	0.00185	92.0	69.2-141	0.660	20	WG666785
Benzo(a)pyrene	mg/l	0.00190	0.00197	95.0	71.1-135	3.65	20	WG666785
Benzo(b)fluoranthene	mg/l	0.00199	0.00202	99.0	69.5-140	1.51	20	WG666785
Benzo(g,h,i)perylene	mg/l	0.00180	0.00182	90.0	64.6-138	1.09	20	WG666785
Benzo(k)fluoranthene	mg/l	0.00179	0.00176	89.0	69.3-144	1.33	20	WG666785
Chrysene	mg/l	0.00182	0.00181	91.0	75.6-138	0.480	20	WG666785
Dibenz(a,h)anthracene	mg/l	0.00177	0.00180	88.0	64.1-139	1.87	20	WG666785
Dibenzofuran	mg/l	0.00190	0.00187	95.0	70-130	1.22	20	WG666785

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report
Level II

L641163

June 20, 2013

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Fluoranthene	mg/l	0.00189	0.00187	94.0	78.6-135	1.00	20	WG666785
Fluorene	mg/l	0.00190	0.00187	95.0	78.3-131	1.77	20	WG666785
Indeno(1,2,3-cd)pyrene	mg/l	0.00172	0.00175	86.0	64.8-140	1.67	20	WG666785
Naphthalene	mg/l	0.00169	0.00163	84.0	80.2-126	3.70	20	WG666785
Phenanthrene	mg/l	0.00187	0.00186	94.0	79.6-130	0.590	20	WG666785
Pyrene	mg/l	0.00191	0.00193	95.0	76.6-134	1.33	20	WG666785
2-Fluorobiphenyl				88.80	64.4-143			WG666785
Nitrobenzene-d5				93.50	61.3-162			WG666785
p-Terphenyl-d14				95.70	55.3-145			WG666785
Benzene	mg/l	0.0264	0.0276	105.	72-119	4.49	20	WG667375
Ethylbenzene	mg/l	0.0255	0.0265	102.	77-124	3.77	20	WG667375
Toluene	mg/l	0.0260	0.0271	104.	75-114	3.97	20	WG667375
Total Xylenes	mg/l	0.0755	0.0797	101.	77-123	5.39	20	WG667375
4-Bromofluorobenzene				101.3	82-120			WG667375
Dibromofluoromethane				96.01	82-126			WG667375
Toluene-d8				101.2	92-112			WG667375
a,a,a-Trifluorotoluene				99.04	90-116			WG667375

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/l	0.0193	0	.025	77.1	51-134	L641163-02	WG666556
Ethylbenzene	mg/l	0.0215	0	.025	86.0	64-135	L641163-02	WG666556
Toluene	mg/l	0.0197	0	.025	78.8	61-126	L641163-02	WG666556
Total Xylenes	mg/l	0.0616	0	.075	82.1	64-133	L641163-02	WG666556
4-Bromofluorobenzene					100.0	82-120		WG666556
Dibromofluoromethane					98.84	82-126		WG666556
Toluene-d8					104.9	92-112		WG666556
a,a,a-Trifluorotoluene					108.3	90-116		WG666556

Benzene	mg/l	0.0257	0.000498	.025	101.	51-134	L641075-04	WG667375
Ethylbenzene	mg/l	0.0325	0.00709	.025	102.	64-135	L641075-04	WG667375
Toluene	mg/l	0.0263	0.00124	.025	100.	61-126	L641075-04	WG667375
Total Xylenes	mg/l	0.143	0.0680	.075	99.5	64-133	L641075-04	WG667375
4-Bromofluorobenzene					100.4	82-120		WG667375
Dibromofluoromethane					97.80	82-126		WG667375
Toluene-d8					100.8	92-112		WG667375
a,a,a-Trifluorotoluene					101.2	90-116		WG667375

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/l	0.0203	0.0193	81.2	51-134	5.21	20	L641163-02	WG666556
Ethylbenzene	mg/l	0.0218	0.0215	87.2	64-135	1.42	20	L641163-02	WG666556
Toluene	mg/l	0.0205	0.0197	82.2	61-126	4.12	20	L641163-02	WG666556
Total Xylenes	mg/l	0.0642	0.0616	85.6	64-133	4.22	20	L641163-02	WG666556
4-Bromofluorobenzene				99.89	82-120				WG666556
Dibromofluoromethane				99.18	82-126				WG666556
Toluene-d8				103.7	92-112				WG666556
a,a,a-Trifluorotoluene				106.3	90-116				WG666556
Benzene	mg/l	0.0254	0.0257	99.5	51-134	1.35	20	L641075-04	WG667375
Ethylbenzene	mg/l	0.0310	0.0325	95.7	64-135	4.64	20	L641075-04	WG667375
Toluene	mg/l	0.0258	0.0263	98.2	61-126	1.98	20	L641075-04	WG667375
Total Xylenes	mg/l	0.136	0.143	90.1	64-133	5.04	20	L641075-04	WG667375

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

EnTech Consulting Corporation
Kathleen Buxton
21 Waterway Ave., Suite 300

The Woodlands, TX 77380

Quality Assurance Report
Level II

L641163

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

June 20, 2013

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref	Samp	Batch
			Ref	%Rec						
4-Bromofluorobenzene				101.8	82-120					
Dibromofluoromethane				96.35	82-126					
Toluene-d8				100.7	92-112					
a,a,a-Trifluorotoluene				98.39	90-116					

Batch number /Run number / Sample number cross reference

WG666556: R2712300: L641163-01 02 03 04 05 06 07 08 09 11 13
WG666785: R2712349 R2712682: L641163-08 09 10
WG667375: R2713502: L641163-10 12

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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June 20, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave.. Suite 300
The Woodlands, TX 77380

Billing information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Analysis/Container/Preservative

Chain of Custody

Page ____ of ____



12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

E017

Report to: **Kathleen Buxton**
Email: **kathleen.buxton@entechservi**

Project Description: **Vac to Jal#5**
City/State Collected: **New Mexico**

Phone: **(979) 997-2338**
FAX: **PAA12014**
Client Project #: **PAA12014**
Lab Project #: **PLAINSENT-VAC5**

Collected by (print): **Kathleen Buxton**
Site/Facility ID#: **SRS - 2003-00134**
P.O.#:

Collected by (signature): **Kat Bux**
Rush? (Lab MUST Be Notified)
Same Day 200%
Next Day 100%
Two Day 50%
Three Day 25%
Date Results Needed
Email? ☐ No ☒ Yes
FAX? ☐ No ☒ Yes
No. of Cntrs: **2**

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs
MW-1		GW	61113	61113	1430	2
MW-2		GW	61113		1335	2
MW-3		GW	61113		1265	2
MW-4		GW	61113		1240	2
MW-5		GW	61113		1125	2
MW-6		GW	61113		1355	2
MW-7		GW	61113		1505	2
RW-1		GW	61113		1740	52
RW-2		GW	61113		1815	52

PAHSIMLV1 40mlAmb-NoPres-WT

V8260BTEX 40mlAmb-HCl

Acctnum: **PLAINSENT** (lab use only)
Template/Prelogin: **T86719 P429803**
Cooler #: **5-13 1100**
Shipped Via: **FedEX Ground**

Remarks/Contaminant Sample # (lab only)

L 641163-01

02

03

04

05

06

07

08

09

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) Kat Bux	Date: 6/12/13	Time: 1300	Received by: (Signature) FC	5547 0242 5240	Samples returned via: ☒ UPS ☐ FedEx ☐ Courier	Condition: j (lab use only) N
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)		Temp: 3.6 Bottles Received: 35 + 13	COC Seal Intact: 1 Y ☐ N ☐ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Charles Koudelka	6-13-13 0930	Date: 6-13-13 Time: 0930	pH Checked: YES NCF: YES

**Plains All American Pipeline -
Entech**
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Analysis/Container/Preservative

Chain of Custody

Page ____ of ____



12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

Report to: **Kathleen Buxton**
Email: **kathleen.buxton@entechservi**

Project Description: **Vac to Jal#5**
City/State Collected: **New Mexico**

Phone: **(979) 997-2338**
FAX: **PAA12014**
Client Project #: **PAA12014**
Lab Project #: **PLAINSENT-VAC5**

Collected by (print): **Kathleen Buxton**
Site/Facility ID#: **SRS - 2003-00134**
P.O.#:

Collected by (signature): **[Signature]**
Immediately Packed on Ice N **Y**
Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%
Date Results Needed
Email? ☐ No ☒ Yes
FAX? ☐ No ☐ Yes
No. of Cntrs

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs
RW-3		GW		6-11-13	1635	52
RW-4		GW		6-11-13	1310	2
RW-5		GW		6-11-13	1155	2
RW-6		GW		6-11-13	1530	2
		GW				2
		GW				2
		GW				2
		GW				2
		GW				2
		GW				2

PAHSIMLV1 40mlAmb-NoPres-WT
V8260BTEX 40mlAmb-HCI

Acctnum: **PLAINSENT** (lab use only)
Template/Prelogin: **T86719 P429803**
Cooler #: **5-13 KCO**
Shipped Via: **FedEX Ground**

Remarks/Contaminant Sample # (lab only)

6641163-10
11
12
13

*Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) [Signature]	Date: 6-12-13	Time: 1300	Received by: (Signature) [Signature]	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐	Condition: (lab use only) N
Relinquished by: (Signature) [Signature]	Date:	Time:	Received by: (Signature) [Signature]	Temp: 3.6 Bottles Received: 35 + TB	COC Seal Intact: ☐ Y ☐ N ☐ NA
Relinquished by: (Signature) [Signature]	Date:	Time:	Received for lab by: (Signature) Charles Koudelka	Date: 6-13-13 Time: 0930	pH Checked: YES NCF: YES



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Monday September 16, 2013

Report Number: L656835

Samples Received: 09/11/13

Client Project: PAA12014

Description: Vac to Jal#5

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5

Sample ID : MW-1

Collected By : Shane Diller
Collection Date : 09/10/13 13:25

ESC Sample # : L656835-01

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	99.8				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	101.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	96.4				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5
Sample ID : MW-2
Collected By : Shane Diller
Collection Date : 09/10/13 13:35

ESC Sample # : L656835-02

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	100.				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	100.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	102.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	100.				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5

Sample ID : MW-3

Collected By : Shane Diller
Collection Date : 09/10/13 13:00

ESC Sample # : L656835-03

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	MQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	97.6				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	99.2				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	99.0				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	98.3				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5
Sample ID : MW-4
Collected By : Shane Diller
Collection Date : 09/10/13 12:55

ESC Sample # : L656835-04

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	103.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	97.6				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5
Sample ID : MW-5
Collected By : Shane Diller
Collection Date : 09/10/13 13:15

ESC Sample # : L656835-05

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	99.3				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	103.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	101.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	97.3				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5
Sample ID : MW-6
Collected By : Shane Diller
Collection Date : 09/10/13 13:40

ESC Sample # : L656835-06

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	98.8				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	103.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	99.9				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	95.9				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5

Sample ID : MW-7

Collected By : Shane Diller
Collection Date : 09/10/13 13:20

ESC Sample # : L656835-07

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/13/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/13/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/13/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/13/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	09/13/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	09/13/13	1	
a,a,a-Trifluorotoluene	101.				% Rec.	8260B	09/13/13	1	
4-Bromofluorobenzene	93.2				% Rec.	8260B	09/13/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5

Sample ID : RW-4

Collected By : Shane Diller
Collection Date : 09/10/13 13:30

ESC Sample # : L656835-08

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/14/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/14/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/14/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/14/13	1	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	09/14/13	1	
Dibromofluoromethane	95.2				% Rec.	8260B	09/14/13	1	
a,a,a-Trifluorotoluene	105.				% Rec.	8260B	09/14/13	1	
4-Bromofluorobenzene	95.1				% Rec.	8260B	09/14/13	1	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/16/13 15:17 Printed: 09/16/13 15:18



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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5
Sample ID : RW-5
Collected By : Shane Diller
Collection Date : 09/10/13 13:05

ESC Sample # : L656835-09

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/14/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/14/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/14/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/14/13	1	
Surrogate Recovery									
Toluene-d8	99.9				% Rec.	8260B	09/14/13	1	
Dibromofluoromethane	93.0				% Rec.	8260B	09/14/13	1	
a,a,a-Trifluorotoluene	103.				% Rec.	8260B	09/14/13	1	
4-Bromofluorobenzene	97.0				% Rec.	8260B	09/14/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
Plains All American Pipeline - Ente
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

September 16, 2013

Date Received : September 11, 2013
Description : Vac to Jal#5

Sample ID : RW-6

Collected By : Shane Diller
Collection Date : 09/10/13 13:10

ESC Sample # : L656835-10

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	09/14/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	09/14/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	09/14/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	09/14/13	1	
Surrogate Recovery									
Toluene-d8	97.8				% Rec.	8260B	09/14/13	1	
Dibromofluoromethane	92.8				% Rec.	8260B	09/14/13	1	
a,a,a-Trifluorotoluene	101.				% Rec.	8260B	09/14/13	1	
4-Bromofluorobenzene	97.5				% Rec.	8260B	09/14/13	1	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 09/16/13 15:17 Printed: 09/16/13 15:18

Summary of Remarks For Samples Printed
09/16/13 at 15:18:33

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L656835-01 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-02 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-03 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-04 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-05 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-06 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-07 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-08 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-09 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17
Sample: L656835-10 Account: PLAINSENT Received: 09/11/13 09:30 Due Date: 09/18/13 00:00 RPT Date: 09/16/13 15:17



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Quality Assurance Report
Level II

September 16, 2013

L656835

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG681476	09/12/13 22:09
Ethylbenzene	< .001	mg/l			WG681476	09/12/13 22:09
Toluene	< .005	mg/l			WG681476	09/12/13 22:09
Total Xylenes	< .003	mg/l			WG681476	09/12/13 22:09
4-Bromofluorobenzene		% Rec.	97.40	71-126	WG681476	09/12/13 22:09
Dibromofluoromethane		% Rec.	103.0	78.3-121	WG681476	09/12/13 22:09
Toluene-d8		% Rec.	99.30	88.5-111	WG681476	09/12/13 22:09
a,a,a-Trifluorotoluene		% Rec.	100.0	85-114	WG681476	09/12/13 22:09
Benzene	< .001	mg/l			WG681478	09/14/13 16:59
Ethylbenzene	< .001	mg/l			WG681478	09/14/13 16:59
Toluene	< .005	mg/l			WG681478	09/14/13 16:59
Total Xylenes	< .003	mg/l			WG681478	09/14/13 16:59
4-Bromofluorobenzene		% Rec.	102.0	71-126	WG681478	09/14/13 16:59
Dibromofluoromethane		% Rec.	92.20	78.3-121	WG681478	09/14/13 16:59
Toluene-d8		% Rec.	99.50	88.5-111	WG681478	09/14/13 16:59
a,a,a-Trifluorotoluene		% Rec.	107.0	85-114	WG681478	09/14/13 16:59

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0260	104.	74.8-121	WG681476
Ethylbenzene	mg/l	.025	0.0273	109.	78.8-122	WG681476
Toluene	mg/l	.025	0.0257	103.	79.7-116	WG681476
Total Xylenes	mg/l	.075	0.0795	106.	78.7-121	WG681476
4-Bromofluorobenzene				103.0	71-126	WG681476
Dibromofluoromethane				101.0	78.3-121	WG681476
Toluene-d8				98.70	88.5-111	WG681476
a,a,a-Trifluorotoluene				100.0	85-114	WG681476
Benzene	mg/l	.025	0.0229	91.6	74.8-121	WG681478
Ethylbenzene	mg/l	.025	0.0261	104.	78.8-122	WG681478
Toluene	mg/l	.025	0.0231	92.3	79.7-116	WG681478
Total Xylenes	mg/l	.075	0.0771	103.	78.7-121	WG681478
4-Bromofluorobenzene				97.10	71-126	WG681478
Dibromofluoromethane				93.60	78.3-121	WG681478
Toluene-d8				101.0	88.5-111	WG681478
a,a,a-Trifluorotoluene				104.0	85-114	WG681478

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0258	0.0260	103.	74.8-121	1.01	20	WG681476
Ethylbenzene	mg/l	0.0274	0.0273	110.	78.8-122	0.320	20	WG681476
Toluene	mg/l	0.0257	0.0257	103.	79.7-116	0.240	20	WG681476
Total Xylenes	mg/l	0.0811	0.0795	108.	78.7-121	2.00	20	WG681476
4-Bromofluorobenzene				103.0	71-126			WG681476
Dibromofluoromethane				101.0	78.3-121			WG681476
Toluene-d8				99.70	88.5-111			WG681476
a,a,a-Trifluorotoluene				99.10	85-114			WG681476
Benzene	mg/l	0.0235	0.0229	94.0	74.8-121	2.45	20	WG681478
Ethylbenzene	mg/l	0.0267	0.0261	107.	78.8-122	2.25	20	WG681478
Toluene	mg/l	0.0236	0.0231	94.0	79.7-116	2.39	20	WG681478
Total Xylenes	mg/l	0.0799	0.0771	106.	78.7-121	3.53	20	WG681478
4-Bromofluorobenzene				99.50	71-126			WG681478

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report
Level II

September 16, 2013

L656835

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Dibromofluoromethane				94.90		78.3-121		
Toluene-d8				102.0		88.5-111		
a,a,a-Trifluorotoluene				107.0		85-114		

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/l	0.0227	0.0	.025	91.0	54.3-133	L656534-04	WG681476
Ethylbenzene	mg/l	0.0258	0.0	.025	100.	61.4-133	L656534-04	WG681476
Toluene	mg/l	0.0238	0.0	.025	95.0	61.4-130	L656534-04	WG681476
Total Xylenes	mg/l	0.0764	0.0	.075	100.	63.3-131	L656534-04	WG681476
4-Bromofluorobenzene				101.0		71-126		WG681476
Dibromofluoromethane				98.80		78.3-121		WG681476
Toluene-d8				100.0		88.5-111		WG681476
a,a,a-Trifluorotoluene				99.80		85-114		WG681476
Benzene	mg/l	0.0217	0.0	.025	87.0	54.3-133	L656835-08	WG681478
Ethylbenzene	mg/l	0.0242	0.0	.025	97.0	61.4-133	L656835-08	WG681478
Toluene	mg/l	0.0220	0.0	.025	88.0	61.4-130	L656835-08	WG681478
Total Xylenes	mg/l	0.0729	0.0	.075	97.0	63.3-131	L656835-08	WG681478
4-Bromofluorobenzene				97.90		71-126		WG681478
Dibromofluoromethane				92.20		78.3-121		WG681478
Toluene-d8				99.60		88.5-111		WG681478
a,a,a-Trifluorotoluene				106.0		85-114		WG681478

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/l	0.0230	0.0227	92.0	54.3-133	1.17	20	L656534-04	WG681476
Ethylbenzene	mg/l	0.0258	0.0258	103.	61.4-133	0.0800	20	L656534-04	WG681476
Toluene	mg/l	0.0238	0.0238	95.2	61.4-130	0.250	20	L656534-04	WG681476
Total Xylenes	mg/l	0.0782	0.0764	104.	63.3-131	2.21	20	L656534-04	WG681476
4-Bromofluorobenzene				96.00	71-126				WG681476
Dibromofluoromethane				97.60	78.3-121				WG681476
Toluene-d8				98.00	88.5-111				WG681476
a,a,a-Trifluorotoluene				97.70	85-114				WG681476
Benzene	mg/l	0.0232	0.0217	92.6	54.3-133	6.38	20	L656835-08	WG681478
Ethylbenzene	mg/l	0.0287	0.0242	115.	61.4-133	17.1	20	L656835-08	WG681478
Toluene	mg/l	0.0232	0.0220	92.8	61.4-130	5.41	20	L656835-08	WG681478
Total Xylenes	mg/l	0.0866	0.0729	115.	63.3-131	17.1	20	L656835-08	WG681478
4-Bromofluorobenzene				101.0	71-126				WG681478
Dibromofluoromethane				95.50	78.3-121				WG681478
Toluene-d8				97.30	88.5-111				WG681478
a,a,a-Trifluorotoluene				105.0	85-114				WG681478

Batch number /Run number / Sample number cross reference

WG681476: R2816300: L656835-01 02 03 04 05 06 07
WG681478: R2817666: L656835-08 09 10

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

EnTech Consulting Corporation
Kathleen Buxton
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Quality Assurance Report
Level II

L656835

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September 16, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report to:
Kathleen Buxton

Project
Description: Vac to Jal#5

Phone: 979-997-2338
Fax:

Collected by (print):
SHANE DILLER

Collected by (signature):

Immediately
Packed on Ice N Y X

Billing Information:
Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Email To: kathleen.buxton@entechservice.com

City/State
Collected: Eunice NM

Lab Project #
PLAINSENT-VAC5

P.O. #

Date Results Needed

Email? No X Yes
FAX? No Yes

No. of
Cntrs

Analysis / Container / Preservative

V8260BTEX 40mlAmb-HCl

Chain of Custody
Page 1 of 1

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Mount Juliet, TN 37122
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Phone: 800-767-5859
Fax: 615-758-5859

QR Code

L #
L66835

Table
D026

Acctnum: PLAINSENT
Template: T86719
Prelogin: P440637
TSR: 134 - Mark W. Beasley
PB: 8-28 MB

Shipped Via: FedEx Ground

Rem./Contaminant
Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs														
mw1	G	GW		9-10-13	1325	2	X													
mw2		GW			1335	2	X													
mw3		GW			1300	2	X													
mw4		GW			1255	2	X													
mw5		GW			1315	2	X													
mw6		GW			1340	2	X													
mw7		GW			1320	2	X													
RW4		GW			1330	2	X													
RW5		GW			1305	2	X													
RW6	G	GW		9-10-13	1310	2	X													

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS
☐ FedEx ☐ Courier ☐ _____

Condition: (lab use only) N

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Temp: 3.1 °C Bottles Received: 20 + 16

COC Seal Intact: Y N NA

Relinquished by : (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 9/11/13 Time: 0930

pH Checked: NCF:



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
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Report Summary

Thursday November 14, 2013

Report Number: L667856

Samples Received: 11/09/13

Client Project: PAA12014

Description: Vac to Jal#5

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : MW-1

Collected By :
Collection Date : 11/07/13 09:05

ESC Sample # : L667856-01

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	0.00046	0.00033	0.00033	0.0010	mg/l	J	8260B	11/10/13	1
Toluene	U	0.00078	0.00078	0.0050	mg/l		8260B	11/10/13	1
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l		8260B	11/10/13	1
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l		8260B	11/10/13	1
Surrogate Recovery									
Toluene-d8	104.				% Rec.		8260B	11/10/13	1
Dibromofluoromethane	100.				% Rec.		8260B	11/10/13	1
a,a,a-Trifluorotoluene	103.				% Rec.		8260B	11/10/13	1
4-Bromofluorobenzene	99.4				% Rec.		8260B	11/10/13	1

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 11/14/13 08:29 Printed: 11/14/13 08:29



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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : MW-2

Collected By :
Collection Date : 11/07/13 08:50

ESC Sample # : L667856-02

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	103.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	95.9				% Rec.	8260B	11/10/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : MW-3

Collected By :
Collection Date : 11/07/13 08:20

ESC Sample # : L667856-03

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	105.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	104.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	97.3				% Rec.	8260B	11/10/13	1	

U = ND (Not Detected) = Less than SDL

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REPORT OF ANALYSIS

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : MW-4

Collected By :
Collection Date : 11/07/13 08:30

ESC Sample # : L667856-04

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	102.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	103.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	96.7				% Rec.	8260B	11/10/13	1	

U = ND (Not Detected) = Less than SDL

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November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : MW-5

Collected By :
Collection Date : 11/07/13 08:00

ESC Sample # : L667856-05

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	105.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	102.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	104.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	99.9				% Rec.	8260B	11/10/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : MW-6

Collected By :
Collection Date : 11/07/13 09:00

ESC Sample # : L667856-06

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	102.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	103.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	97.3				% Rec.	8260B	11/10/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : MW-7

Collected By :
Collection Date : 11/07/13 09:15

ESC Sample # : L667856-07

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	103.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	104.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	98.2				% Rec.	8260B	11/10/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-4

Collected By :
Collection Date : 11/07/13 08:40

ESC Sample # : L667856-08

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	105.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	103.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	104.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	97.1				% Rec.	8260B	11/10/13	1	

U = ND (Not Detected) = Less than SDL

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November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-5

Collected By :
Collection Date : 11/07/13 08:15

ESC Sample # : L667856-09

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	104.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	104.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	103.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	98.0				% Rec.	8260B	11/10/13	1	

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REPORT OF ANALYSIS

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The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-6

Collected By :
Collection Date : 11/07/13 09:25

ESC Sample # : L667856-10

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/10/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/10/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/10/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/10/13	1	
Surrogate Recovery									
Toluene-d8	106.				% Rec.	8260B	11/10/13	1	
Dibromofluoromethane	101.				% Rec.	8260B	11/10/13	1	
a,a,a-Trifluorotoluene	104.				% Rec.	8260B	11/10/13	1	
4-Bromofluorobenzene	96.2				% Rec.	8260B	11/10/13	1	

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Note:

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21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-7

Collected By :
Collection Date : 11/07/13 09:35

ESC Sample # : L667856-11

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00033	0.00033	0.0010	mg/l	8260B	11/12/13	1	
Toluene	U	0.00078	0.00078	0.0050	mg/l	8260B	11/12/13	1	
Ethylbenzene	U	0.00038	0.00038	0.0010	mg/l	8260B	11/12/13	1	
Total Xylenes	U	0.0011	0.0011	0.0030	mg/l	8260B	11/12/13	1	
Surrogate Recovery									
Toluene-d8	100.				% Rec.	8260B	11/12/13	1	
Dibromofluoromethane	90.7				% Rec.	8260B	11/12/13	1	
a,a,a-Trifluorotoluene	110.				% Rec.	8260B	11/12/13	1	
4-Bromofluorobenzene	105.				% Rec.	8260B	11/12/13	1	

U = ND (Not Detected) = Less than SDL

Note:

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L667856-01	WG691658	SAMP	Benzene	R2852224	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
11/14/13 at 08:29:55

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L667856-01 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-02 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-03 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-04 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-05 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-06 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-07 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-08 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-09 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-10 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29
Sample: L667856-11 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 08:29



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Quality Assurance Report
Level II

November 14, 2013

L667856

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/l			WG691658	11/10/13 12:20
Ethylbenzene	< .001	mg/l			WG691658	11/10/13 12:20
Toluene	< .005	mg/l			WG691658	11/10/13 12:20
Total Xylenes	< .003	mg/l			WG691658	11/10/13 12:20
4-Bromofluorobenzene		% Rec.	95.20	71-126	WG691658	11/10/13 12:20
Dibromofluoromethane		% Rec.	102.0	78.3-121	WG691658	11/10/13 12:20
Toluene-d8		% Rec.	105.0	88.5-111	WG691658	11/10/13 12:20
a,a,a-Trifluorotoluene		% Rec.	103.0	85-114	WG691658	11/10/13 12:20
Benzene	< .001	mg/l			WG691666	11/12/13 21:39
Ethylbenzene	< .001	mg/l			WG691666	11/12/13 21:39
Toluene	< .005	mg/l			WG691666	11/12/13 21:39
Total Xylenes	< .003	mg/l			WG691666	11/12/13 21:39
4-Bromofluorobenzene		% Rec.	108.0	71-126	WG691666	11/12/13 21:39
Dibromofluoromethane		% Rec.	92.00	78.3-121	WG691666	11/12/13 21:39
Toluene-d8		% Rec.	100.0	88.5-111	WG691666	11/12/13 21:39
a,a,a-Trifluorotoluene		% Rec.	109.0	85-114	WG691666	11/12/13 21:39

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/l	.025	0.0289	115.	74.8-121	WG691658
Ethylbenzene	mg/l	.025	0.0270	108.	78.8-122	WG691658
Toluene	mg/l	.025	0.0278	111.	79.7-116	WG691658
Total Xylenes	mg/l	.075	0.0805	107.	78.7-121	WG691658
4-Bromofluorobenzene				96.60	71-126	WG691658
Dibromofluoromethane				101.0	78.3-121	WG691658
Toluene-d8				105.0	88.5-111	WG691658
a,a,a-Trifluorotoluene				104.0	85-114	WG691658
Benzene	mg/l	.025	0.0251	100.	74.8-121	WG691666
Ethylbenzene	mg/l	.025	0.0287	115.	78.8-122	WG691666
Toluene	mg/l	.025	0.0266	107.	79.7-116	WG691666
Total Xylenes	mg/l	.075	0.0878	117.	78.7-121	WG691666
4-Bromofluorobenzene				99.50	71-126	WG691666
Dibromofluoromethane				91.90	78.3-121	WG691666
Toluene-d8				101.0	88.5-111	WG691666
a,a,a-Trifluorotoluene				111.0	85-114	WG691666

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/l	0.0270	0.0289	108.	74.8-121	6.73	20	WG691658
Ethylbenzene	mg/l	0.0252	0.0270	101.	78.8-122	7.18	20	WG691658
Toluene	mg/l	0.0257	0.0278	103.	79.7-116	8.11	20	WG691658
Total Xylenes	mg/l	0.0763	0.0805	102.	78.7-121	5.29	20	WG691658
4-Bromofluorobenzene				97.00	71-126			WG691658
Dibromofluoromethane				102.0	78.3-121			WG691658
Toluene-d8				105.0	88.5-111			WG691658
a,a,a-Trifluorotoluene				102.0	85-114			WG691658
Benzene	mg/l	0.0247	0.0251	99.0	74.8-121	1.59	20	WG691666
Ethylbenzene	mg/l	0.0278	0.0287	111.	78.8-122	3.05	20	WG691666
Toluene	mg/l	0.0260	0.0266	104.	79.7-116	2.60	20	WG691666
Total Xylenes	mg/l	0.0871	0.0878	116.	78.7-121	0.800	20	WG691666
4-Bromofluorobenzene				99.60	71-126			WG691666

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Kathleen Buxton
21 Waterway Ave., Suite 300

The Woodlands, TX 77380

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quality Assurance Report
Level II

L667856

November 14, 2013

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Dibromofluoromethane				91.70		78.3-121		
Toluene-d8				101.0		88.5-111		
a,a,a-Trifluorotoluene				109.0		85-114		

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/l	0.0242	0.0	.025	97.0	54.3-133	L667398-04	WG691658
Ethylbenzene	mg/l	0.0227	0.0	.025	91.0	61.4-133	L667398-04	WG691658
Toluene	mg/l	0.0232	0.000469	.025	91.0	61.4-130	L667398-04	WG691658
Total Xylenes	mg/l	0.0678	0.0	.075	90.0	63.3-131	L667398-04	WG691658
4-Bromofluorobenzene				95.60		71-126		WG691658
Dibromofluoromethane				99.60		78.3-121		WG691658
Toluene-d8				103.0		88.5-111		WG691658
a,a,a-Trifluorotoluene				101.0		85-114		WG691658
Benzene	mg/l	0.0248	0.0	.025	99.0	54.3-133	L667856-11	WG691666
Ethylbenzene	mg/l	0.0280	0.0	.025	110.	61.4-133	L667856-11	WG691666
Toluene	mg/l	0.0267	0.0	.025	110.	61.4-130	L667856-11	WG691666
Total Xylenes	mg/l	0.0856	0.0	.075	110.	63.3-131	L667856-11	WG691666
4-Bromofluorobenzene				99.60		71-126		WG691666
Dibromofluoromethane				90.60		78.3-121		WG691666
Toluene-d8				101.0		88.5-111		WG691666
a,a,a-Trifluorotoluene				110.0		85-114		WG691666

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/l	0.0257	0.0242	103.	54.3-133	5.95	20	L667398-04	WG691658
Ethylbenzene	mg/l	0.0245	0.0227	98.0	61.4-133	7.45	20	L667398-04	WG691658
Toluene	mg/l	0.0247	0.0232	96.8	61.4-130	6.07	20	L667398-04	WG691658
Total Xylenes	mg/l	0.0723	0.0678	96.3	63.3-131	6.35	20	L667398-04	WG691658
4-Bromofluorobenzene				95.30		71-126			WG691658
Dibromofluoromethane				101.0		78.3-121			WG691658
Toluene-d8				103.0		88.5-111			WG691658
a,a,a-Trifluorotoluene				103.0		85-114			WG691658
Benzene	mg/l	0.0235	0.0248	94.1	54.3-133	5.14	20	L667856-11	WG691666
Ethylbenzene	mg/l	0.0270	0.0280	108.	61.4-133	3.75	20	L667856-11	WG691666
Toluene	mg/l	0.0248	0.0267	99.4	61.4-130	7.12	20	L667856-11	WG691666
Total Xylenes	mg/l	0.0834	0.0856	111.	63.3-131	2.62	20	L667856-11	WG691666
4-Bromofluorobenzene				102.0		71-126			WG691666
Dibromofluoromethane				90.70		78.3-121			WG691666
Toluene-d8				101.0		88.5-111			WG691666
a,a,a-Trifluorotoluene				107.0		85-114			WG691666

Batch number /Run number / Sample number cross reference

WG691658: R2852224: L667856-01 02 03 04 05 06 07 08 09 10
WG691666: R2853562: L667856-11

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report
Level II

L667856

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November 14, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Report to:
Kathleen Buxton

Email To: kathleen.buxton@entechservice.com

Project
Description: Vac to Jal#5

City/State
Collected:

Phone: 979-997-2338
Fax:

Client Project #
PAA12014

Lab Project #
PLAINSENT-VAC5

Collected by (print):
Kathleen Buxton

Site/Facility ID #
SRS - 2003-00134

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
 ___ Same Day200%
 ___ Next Day100%
 ___ Two Day50%
 ___ Three Day25%

Date Results Needed

Email? ___ No ☒ Yes

FAX? ___ No ___ Yes

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-1		GW		11/7/13	0905	2
MW-2		GW			0850	2
MW-3		GW			0820	2
MW-4		GW			0830	2
MW-5		GW			0800	2
MW-6		GW			0900	2
MW-7		GW			0915	2
RW-4		GW			0840	2
RW-5		GW			0815	2
RW-6		GW			0925	2

V8260BTEX 40ml/Amb-HCl

Analysis / Container / Preservative

Chain of Custody Page ___ of ___



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Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# 667856
F195

Acctnum: PLAINSENT

Template: T86719

Prelogin: P446538

TSR: 134 - Mark W. Beasley

PB: 10-16 M-8

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (lab only)

	-01
	-02
	-03
	-04
	-05
	-06
	-07
	-08
	-09
	-10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: ☐ UPS

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 2.1 °C Bottles Received: 22 TB

COC Seal Intact: ☒ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 11/9/13 Time: 0900

pH Checked:

NCF:



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Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Report Summary

Thursday November 14, 2013

Report Number: L667879

Samples Received: 11/09/13

Client Project: PAA12014

Description: Vac to Jal#5

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-7 30-35 FT

Collected By : Kathleen Buxton
Collection Date : 11/05/13 11:34

ESC Sample # : L667879-01

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg	8260B	11/13/13	5	
Toluene	U	0.00043	0.0022	0.025	mg/kg	8260B	11/13/13	5	
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg	8260B	11/13/13	5	
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg	8260B	11/13/13	5	
Surrogate Recovery									
Toluene-d8	102.				% Rec.	8260B	11/13/13	5	
Dibromofluoromethane	101.				% Rec.	8260B	11/13/13	5	
a,a,a-Trifluorotoluene	110.				% Rec.	8260B	11/13/13	5	
4-Bromofluorobenzene	102.				% Rec.	8260B	11/13/13	5	

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 11/14/13 11:20 Printed: 11/14/13 11:21



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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-7 50-55 FT

Collected By : Kathleen Buxton
Collection Date : 11/05/13 11:40

ESC Sample # : L667879-02

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	SQL	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg		8260B	11/13/13	5
Toluene	U	0.00043	0.0022	0.025	mg/kg		8260B	11/13/13	5
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg		8260B	11/13/13	5
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg		8260B	11/13/13	5
Surrogate Recovery									
Toluene-d8	101.				% Rec.		8260B	11/13/13	5
Dibromofluoromethane	104.				% Rec.		8260B	11/13/13	5
a,a,a-Trifluorotoluene	106.				% Rec.		8260B	11/13/13	5
4-Bromofluorobenzene	98.3				% Rec.		8260B	11/13/13	5

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
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The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-7 65 FT

Collected By : Kathleen Buxton
Collection Date : 11/05/13 11:50

ESC Sample # : L667879-03

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg	8260B	11/13/13	5	
Toluene	U	0.00043	0.0022	0.025	mg/kg	8260B	11/13/13	5	
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg	8260B	11/13/13	5	
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg	8260B	11/13/13	5	
Surrogate Recovery									
Toluene-d8	102.				% Rec.	8260B	11/13/13	5	
Dibromofluoromethane	101.				% Rec.	8260B	11/13/13	5	
a,a,a-Trifluorotoluene	107.				% Rec.	8260B	11/13/13	5	
4-Bromofluorobenzene	101.				% Rec.	8260B	11/13/13	5	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

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November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-8 40-45 FT

Collected By : Kathleen Buxton
Collection Date : 11/05/13 14:00

ESC Sample # : L667879-04

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	U	0.00027	0.0014	0.0050	mg/kg	8260B	11/13/13	5	
Toluene	U	0.00043	0.0022	0.025	mg/kg	8260B	11/13/13	5	
Ethylbenzene	U	0.00030	0.0015	0.0050	mg/kg	8260B	11/13/13	5	
Total Xylenes	U	0.00070	0.0035	0.015	mg/kg	8260B	11/13/13	5	
Surrogate Recovery									
Toluene-d8	101.				% Rec.	8260B	11/13/13	5	
Dibromofluoromethane	103.				% Rec.	8260B	11/13/13	5	
a,a,a-Trifluorotoluene	108.				% Rec.	8260B	11/13/13	5	
4-Bromofluorobenzene	101.				% Rec.	8260B	11/13/13	5	

U = ND (Not Detected) = Less than SDL

Note:

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REPORT OF ANALYSIS

Kathleen Buxton
EnTech Consulting Corporation
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

November 14, 2013

Date Received : November 09, 2013
Description : Vac to Jal#5

Sample ID : RW-8 45-50 FT

Collected By : Kathleen Buxton
Collection Date : 11/05/13 14:15

ESC Sample # : L667879-05

Site ID : SRS - 2003-00134

Project # : PAA12014

Parameter	Result	MDL	SDL	ML	Units	Qual	Method	Date	Dil.
Benzene	0.072	0.00027	0.054	0.20	mg/kg	J	8260B	11/13/13	200
Toluene	0.84	0.00043	0.087	1.0	mg/kg	J	8260B	11/13/13	200
Ethylbenzene	3.0	0.00030	0.059	0.20	mg/kg		8260B	11/13/13	200
Total Xylenes	9.0	0.00070	0.14	0.60	mg/kg		8260B	11/13/13	200
Surrogate Recovery									
Toluene-d8	106.				% Rec.		8260B	11/13/13	200
Dibromofluoromethane	99.3				% Rec.		8260B	11/13/13	200
a,a,a-Trifluorotoluene	114.				% Rec.		8260B	11/13/13	200
4-Bromofluorobenzene	106.				% Rec.		8260B	11/13/13	200

U = ND (Not Detected) = Less than SDL

Note:

The reported analytical results relate only to the sample submitted.

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L667879-05	WG691655	SAMP	Benzene	R2853742	J
	WG691655	SAMP	Toluene	R2853742	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
11/14/13 at 11:21:19

TSR Signing Reports: 134
R5 - Desired TAT

Do not log for TS or QCTX, always log BTEXM by 8260

Sample: L667879-01 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 11:20

Sample: L667879-02 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 11:20

Sample: L667879-03 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 11:20

Sample: L667879-04 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 11:20

Sample: L667879-05 Account: PLAINSENT Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/14/13 11:20



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Est. 1970

Quality Assurance Report
Level II

November 14, 2013

L667879

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .001	mg/kg			WG691655	11/13/13 14:23
Ethylbenzene	< .001	mg/kg			WG691655	11/13/13 14:23
Toluene	< .005	mg/kg			WG691655	11/13/13 14:23
Total Xylenes	< .003	mg/kg			WG691655	11/13/13 14:23
4-Bromofluorobenzene		% Rec.	100.0	71-126	WG691655	11/13/13 14:23
Dibromofluoromethane		% Rec.	101.0	78.3-121	WG691655	11/13/13 14:23
Toluene-d8		% Rec.	102.0	88.5-111	WG691655	11/13/13 14:23
a,a,a-Trifluorotoluene		% Rec.	110.0	85-114	WG691655	11/13/13 14:23

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	.025	0.0272	109.	77.1-121	WG691655
Ethylbenzene	mg/kg	.025	0.0232	92.7	79.7-122	WG691655
Toluene	mg/kg	.025	0.0250	100.	79.7-118	WG691655
Total Xylenes	mg/kg	.075	0.0688	91.7	78.8-121	WG691655
4-Bromofluorobenzene				95.50	71-126	WG691655
Dibromofluoromethane				104.0	78.3-121	WG691655
Toluene-d8				101.0	88.5-111	WG691655
a,a,a-Trifluorotoluene				107.0	85-114	WG691655

Analyte	Units	Laboratory Control Sample Duplicate			Limit	RPD	Limit	Batch
		Result	Ref	%Rec				
Benzene	mg/kg	0.0241	0.0272	96.0	77.1-121	12.0	20	WG691655
Ethylbenzene	mg/kg	0.0220	0.0232	88.0	79.7-122	4.94	20	WG691655
Toluene	mg/kg	0.0226	0.0250	90.0	79.7-118	9.97	20	WG691655
Total Xylenes	mg/kg	0.0659	0.0688	88.0	78.8-121	4.31	20	WG691655
4-Bromofluorobenzene				94.70	71-126			WG691655
Dibromofluoromethane				104.0	78.3-121			WG691655
Toluene-d8				101.0	88.5-111			WG691655
a,a,a-Trifluorotoluene				107.0	85-114			WG691655

Analyte	Units	Matrix Spike			% Rec	Limit	Ref Samp	Batch
		MS Res	Ref Res	TV				
Benzene	mg/kg	0.133	0.0	.025	110.	54.3-133	L667879-02	WG691655
Ethylbenzene	mg/kg	0.113	0.0	.025	90.0	61.4-133	L667879-02	WG691655
Toluene	mg/kg	0.122	0.0	.025	97.0	61.4-130	L667879-02	WG691655
Total Xylenes	mg/kg	0.334	0.0	.075	89.0	63.3-131	L667879-02	WG691655
4-Bromofluorobenzene					96.00	71-126		WG691655
Dibromofluoromethane					104.0	78.3-121		WG691655
Toluene-d8					102.0	88.5-111		WG691655
a,a,a-Trifluorotoluene					107.0	85-114		WG691655

Analyte	Units	Matrix Spike Duplicate			Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec					
Benzene	mg/kg	0.143	0.133	114.	54.3-133	7.14	20	L667879-02	WG691655
Ethylbenzene	mg/kg	0.117	0.113	93.9	61.4-133	4.23	20	L667879-02	WG691655
Toluene	mg/kg	0.129	0.122	103.	61.4-130	5.58	20	L667879-02	WG691655
Total Xylenes	mg/kg	0.351	0.334	93.5	63.3-131	4.87	20	L667879-02	WG691655
4-Bromofluorobenzene				95.10	71-126				WG691655
Dibromofluoromethane				106.0	78.3-121				WG691655
Toluene-d8				102.0	88.5-111				WG691655
a,a,a-Trifluorotoluene				107.0	85-114				WG691655

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

EnTech Consulting Corporation
Kathleen Buxton
21 Waterway Ave., Suite 300

The Woodlands, TX 77380

Quality Assurance Report
Level II

L667879

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

November 14, 2013

Batch number /Run number / Sample number cross reference

WG691655: R2853742: L667879-01 02 03 04 05

* * Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Est. 1970

November 14, 2013

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:

Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Report to:
Kathleen Buxton

Email To: kathleen.buxton@entechservice.com

Project
Description: **Vac to Jal#5**

City/State
Collected:

Phone: **979-997-2338**
Fax:

Client Project #
PAA12014

Lab Project #
PLAINSENT-VACS

Collected by (print):
Kathleen Buxton

Site/Facility ID #
SRS - 2003-00134

P.O. #

Collected by (signature):
Kat Buxton

Rush? (Lab MUST Be Notified)

Same Day200%
Next Day100%
Two Day50%
Three Day25%

Date Results Needed

Email? ☐ No ☒ Yes

FAX? ☐ No ☐ Yes

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
RW-7(30-35)		SS	30-35	11-5-13	1134	1
RW-7(50-55)		SS	50-55	11-5-13	1140	1
RW-7(65)		SS	65	11-5-13	1150	1
RW-8(40-45)		SS	40-45	11-5-13	1400	1
RW-8(45-50)		SS	45-50	11-5-13	1415	1
end of list		SS				1
		SS				1
		GW				2
		GW				2
		GW				2

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)

Date:
11-8-13

Time:
1330

Received by: (Signature)

FedEx

Samples returned via: ☐ UPS

☒ FedEx ☐ Courier ☐ _____

Hold #

Condition: (lab use only)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: °C Bottles Received:

2.4 505 + 113

COC Seal intact: ☐ Y ☐ N ☐ NA

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 11-9-13 Time: 0900

pH Checked:

NCF:

Analysis / Container / Preservative

V8260BTEX 40mlAmb-HCl

V8260BTEX 4ozClr-NoPres

Chain of Custody Page ___ of ___



YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L # *U667819*
J083

Acctnum: **PLAINSENT**

Template: **T90248**

Prelogin: **P448572**

TSR: 134 - Mark W. Beasley

PB: *11-118*

Shipped Via: **FedEX Priority**

Rem./Contaminant Sample # (lab only)

01
02
03
04
05

APPENDIX B

Soil Boring Logs

Project: Vac to Jal #5

Location: Euince, NM

Station ID: RW-7

Date Drilled: 11/5/13

Geologist: Kathleen Buxton

Drilling Company: Straub Drilling

Drilling Method: Air Rotary

Boring/Well Diameter: 4"

Boring/Well Total Depth: 65'

Screen Length: 25'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	0.0			Tan Silty Sand
	2.0			
	4.0			Brown red Silty Sand & Clay
	6.0	16.0		Caliche
	8.0			Medium to hard Caliche layers
	10.0	7.6		
	12.0			
	14.0	12.5		
	16.0			
	18.0			
	20.0	4.7		
	22.0			Tan pink Silty Sand & Caliche
	24.0			Medium to hard Caliche
	26.0	8.6		
	28.0			
	30.0	7.4		
	32.0			
	34.0	16.3		
	36.0			
	38.0			
	40.0	4.6		
	42.0			Hard Standstone layers
	44.0			
	46.0	8.9		
	48.0			
	50.0	9.9		

Project: Vac to Jal #5
 Location: Euince, NM
 Station ID: RW-7
 Date Drilled: 11/5/13
 Geologist: Kathleen Buxton

Drilling Company: Straub Drilling
 Drilling Method: Air Rotary
 Boring/Well Diameter: 4"
 Boring/Well Total Depth: 65'
 Screen Length: 25'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	50.0	11.9		Tan Sandstone & Silty Sand
	52.0			
	54.0			
	56.0			
	58.0			
	60.0	0		Red tan Silty Sand/Gravel & Clay
	62.0			
	64.0			
	66.0			
	68.0			
	70.0			
	72.0			
	74.0			
	76.0			
	78.0			
	80.0			
	82.0			
	84.0			
	86.0			
	88.0			
	90.0			
	92.0			
	94.0			
	96.0			
	98.0			
	100			

Project: Vac to Jal #5

Location: Euince, NM

Station ID: RW-8

Date Drilled: 11/5/13

Geologist: Kathleen Buxton

Drilling Company: Straub Drilling

Drilling Method: Air Rotary

Boring/Well Diameter: 4"

Boring/Well Total Depth: 65'

Screen Length: 25'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	0.0			Tan Silty Sand & Caliche
	2.0			
	4.0	59		Caliche
	6.0			
	8.0			
	10.0	99		
	12.0			
	14.0			
	16.0	125		Sandstone & Caliche
	18.0			
	20.0	157		Caliche & Sandy Silt
	22.0			
	24.0	119		
	26.0			
	28.0			
	30.0	91		Caliche
	32.0			
	34.0			
	36.0	164		
	38.0			
	40.0	9.6		
	42.0			
	44.0			
	46.0	258		Tan Sandy Silt
	48.0			
	50.0	612		

Project: Vac to Jal #5
 Location: Euince, NM
 Station ID: RW-8
 Date Drilled: 11/5/13
 Geologist: Kathleen Buxton

Drilling Company: Straub Drilling
 Drilling Method: Air Rotary
 Boring/Well Diameter: 4"
 Boring/Well Total Depth: 65'
 Screen Length: 25'



	DEPTH (feet bgs)	PID (ppm)	GRAPHIC LOG	LITHOLOGIC DESCRIPTION/COMMENTS
	50.0			Tan Sandy Silt
	52.0			
	54.0			
	56.0			
	58.0			
	60.0			
	62.0			
	64.0			
	66.0			
	68.0			
	70.0			
	72.0			
	74.0			
	76.0			
	78.0			
	80.0			
	82.0			
	84.0			
	86.0			
	88.0			
	90.0			
	92.0			
	94.0			
	96.0			
	98.0			
	100			