1R - 456

ABATEMENT PLAN STG 1 & 2

DATE: OCT 2006

1R-0456

STAGE 1 AND STAGE 2 ABATEMENT PLAN

October 2006

34 JUNCTION SOUTH STATION

LEA COUNTY, NEW MEXICO
NW ¼ SW ¼ SECTION 2, TOWNSHIP 17 SOUTH, RANGE 36 EAST
PLAINS SRS NUMBER: 2005-00138
NMOCD Reference 1R-0456

PREPARED FOR:

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

NOVA
safety and environmental

PREPARED BY:

NOVA Safety and Environmental
2057 Commerce
Midland, Texas 79703

October 2006

Curt D. Stanley
Project Manager

Todd K. Choban, P.G.
Vice-President Technical Services

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1.0 INTRODUCTION AND BACKGROUND INFORMATION

NOVA Safety and Environmental (NOVA) on behalf of Plains Marketing, L.P., (Plains), has prepared this Stage 1 and Stage 2 Abatement Plan in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of July 5, 2006, requiring submittal of a Stage 1 and Stage 2 Abatement Plan. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The contents of this report are intended to fulfill requirements promulgated in 19 New Mexico Administrative Code (NMAC) 15.A.19.E (3) and 19.E (4) and 20.6.2.4106 (C) and (D) and NMOCD guidance document *Guidelines for Remediation of Leaks, Spills, and Releases*, August 1993.

The legal description of the site is NW¼ SW¼ Section 2, Township 17 South, Range 36 East. The property is owned by the State of New Mexico. The site latitude is 32° 51' 42.4" North and the site longitude is 103° 19' 54.4" West. Please reference Figure 1 for a Site Location Map. On June 10, 2005, Basin Environmental Services (Basin) responded to a pipeline release on behalf of Plains. The release occurred as a result of the mechanical malfunction of an air eliminator check valve at an operational secondary metering station. Emergency response activities included the repair of the affected check valve and excavation of the hydrocarbon impacted soil. Approximately 15 barrels of crude oil was released from the pipeline and 0.5 barrels was recovered, resulting in a net loss of 14.5 barrels. The visibly stained surface area covers an area approximately 20 feet long by 20 feet wide. Excavation activities during the emergency response activities covered an area within the fenced station approximately 20 feet long by 20 feet wide and one (1) to four (4) feet below ground surface (bgs). Approximately 100 cubic yards (cy) of excavated soil was placed on a polyethylene liner for future remedial activities. Please reference Appendix C for the Form C-141.

2.0 SUMMARY OF FIELD ACTIVITIES

On September 19 2005, a soil boring was installed inside the metering station to delineate the vertical extent of hydrocarbon impact adjacent to the release point. During the installation of the soil boring, field screening and visual observations indicated Phase Separated Hydrocarbons (PSH) had impacted groundwater and the soil boring was converted to a recovery well (RW-1). On September 19, 2005, the NMOCD was notified of the change in status of the release.

On October 17 and 18, 2005, five (5) groundwater monitor wells (MW-1 through MW-5) were installed to evaluate the quality of the groundwater. Monitor well MW-3 was installed adjacent to the release point and exhibited measurable PSH on the groundwater. A 1,000-gallon polystyrene tank was placed on-site to temporarily store the recovered PSH.

On February 28 and March 1, 2006, three (3) groundwater monitor wells (MW-6, MW-7 and MW-8) were installed to further delineate the extent of groundwater impact at the site.

On September 19, 2006, two (2) additional monitor wells (MW-9 and MW-10) were installed to further delineate the plume.

Please reference Appendix A for monitor and recovery well boring and completion logs.

Currently, there are ten (10) groundwater monitor wells (MW-1 through MW-10) and one (1) recovery well (RW-1) on site (Figure 2). Product recovery is being conducted three (3) times weekly utilizing a mechanical pump to efficiently and effectively recover the maximum thickness of product at monitor wells MW-3, MW-9 and recovery well RW-1.

On August 15, 2006, a meeting between Plains representatives and NMOCD officials was conducted in Santa Fe, New Mexico to review the existing data for the site. In this meeting, the NMOCD requested groundwater samples to be collected from each of the site monitor and recovery wells for general chemistry analysis. The NMOCD requested that wells containing PSH be recovered and sampled utilizing the sampling protocol normally reserved for non-PSH impacted wells. The analytical results indicate that all of the collected groundwater samples analyzed for general chemistry constituents contain constituent concentrations below 20.6.2 NMAC New Mexico Water Quality Control Commission (NMWQCC) regulatory clean-up levels, with the exception of monitor wells MW-3, MW-9, MW-8 and MW-10 and recovery well RW-1, which contain benzene, toluene, ethyl-benzene and xylene (BTEX) constituents above the fore mentioned regulatory clean-up levels. Please reference Table 4 for General Groundwater Chemistry results, Table 3 for Concentrations of BTEX in Groundwater, and Appendix B for laboratory results.

A review of the existing data for this site indicates the following:

- The soil column consists of caliche at the surface to approximately ten (10) to fifteen (15) feet below ground surface (bgs), underlain by a very fine grained, well sorted sand with some imbedded caliche nodules. Below 35 to 45 feet bgs the soil type is predominately a very fine grained, well sorted sand and the absence of caliche;
- Groundwater at the site occurs at depths varying between approximately 58 to 68 feet bgs;
- The groundwater gradient, as measured during quarterly groundwater monitoring events, is approximately 0.008 feet / foot to the east northeast;
- Dissolved phase hydrocarbon constituents are present in the groundwater at concentration exceeding the NMOCD regulatory standards in monitor wells MW-3, MW-8, MW-9 and MW-10 and in recovery well RW-1;
- PSH is present on the groundwater in the area of recovery well RW-1 and monitor wells MW-3 and MW-9;
- Soil impacted above the NMOCD regulatory standards for Total Petroleum Hydrocarbons (TPH GRO/DRO) is limited to soil samples collected from recovery well RW-1 and monitor wells MW-3 and MW-9.

3.0 GEOLOGY / HYDROGEOLOGY

3.1 Area Geology / Hydrogeology

The site is located approximately eight (8) miles south of the city of Lovington, New Mexico. This location places the site in the Southern High Plains physiographic feature. The average surface elevation ranges from 3,500 to 4,400 feet above mean sea level with the average surface

topography sloping to the south and southeast at approximately ten (10) to fifteen (15) feet per mile. The groundwater gradient in the region appears to reflect the topography with a similar slope to the south and southeast with some local variations.

The site is located on the Kimbrough gravelly loam within the Kimbrough-Lea association type soils. This soil complex is found on prairie uplands and is locally known as "scabland". This association consists of nearly level and gently sloping, gravelly and loamy soils that are very shallow to moderately deep to indurated caliche. The soil permeability is moderate and runoff is slow to medium. The soil water intake is moderate and the available water holding capacity is one (1) to two (2) inches. Soil erosion is a slight hazard in areas dominated by this soil type. This soil type is too shallow to be suitable for crops and is generally utilized for range and wildlife.

Data collected by the United States Weather Bureau indicates that the average annual precipitation in the site vicinity is approximately twelve (12) to fifteen (15) inches per annum. This rainfall generally occurs primarily as thunderstorm events between the months of June and October. Infiltration and evaporation rates are generally high resulting in limited surface flow from these events.

3.2 Site Geology/Hydrology

The site surface consists of a light brown, very fine grained, well sorted sand to a depth of four (4) to twelve (12) feet bgs. Typically, underlying this surface unit at depths of 4 to 12 feet, a white caliche layer was encountered. The caliche layer exhibited varying thicknesses of between two (2) to six (6) feet. Typically, underlying this caliche layer, a reddish-brown, very fine grained, well sorted sand was detected to total depth of the wells. A second caliche layer, measuring three (3) to four (4) foot thick was detected in monitor wells MW-1 and MW-4 at a depth of approximately 26 to 30 feet bgs. North – South and West – East stratagraphic cross sections are included as Figures 3 and 4, respectively, a cross section index is included on Figure 2. Please reference Appendix A for boring and completion logs.

3.3 New Mexico Oil Conservation Division Soil Ranking Criteria

As described in Section 3A of the *Guidelines for Remediation of Leaks, Spills and Releases* (NMOCD, 1993), the following characteristics are used to determine the site soil ranking criteria, which influences the site-specific cleanup standards applicable for this site. The depth to groundwater on-site is less than fifty (50) feet from the base of the impacted zone, resulting in 20 points being assigned to the 34 Junction South Station site as a result of this criterion.

The water well database, maintained by the New Mexico Office of the State Engineer (NMOSE), was accessed to determine the location and type of nearby registered water wells in the area. The database indicated there is one (1) water well less than 1000 feet from the release, resulting in 20 points being assigned to this site as a result of this criterion.

There are no surface water bodies located within 1,000 feet of the site. Based on the NMOCD ranking system no points will be assigned to the site as a result of the criterion. The Guidelines

indicate that the 34 Junction South Station site has a ranking score of 40. Based on this score, the soil remediation levels for a site with a ranking score of >19 points are as follows:

- Benzene – 10 ppm
- BTEX – 50 ppm
- TPH – 100 ppm

3.4 Distribution of Hydrocarbons in the Unsaturated Zone

Analysis of soil samples collected during the installation of monitor wells MW-1, MW-2 and MW-4 through MW-8 and MW-10 indicated that concentrations of BTEX and TPH in these areas do not exceed the regulatory standards. Analytical results for monitor well MW-9 indicated that the soil in the capillary fringe has been impacted, but soil above the capillary fringe is non-impacted. PSH was not encountered during the installation of monitor well MW-9, but immediately following the development of the monitor well, measurable thicknesses of PSH were observed. Review of the soil sampling results generated from the monitor well installations indicates the soil impact attributable to the release is limited to the area of surface staining and the soil directly below the surface stain.

The distribution of hydrocarbons in the unsaturated zone has been estimated by utilizing the following techniques:

- Visual and olfactory observations of the subsurface samples and;
- Review of the soil sample analytical laboratory results.

3.5 Distribution of Hydrocarbons in the Saturated Zone

Recovery well RW-1 and monitor wells MW-3 and MW-9 have been impacted with measurable thicknesses of PSH. Please reference Table 1 for Groundwater Elevation and Figure 7 for an Inferred PSH thickness map. Scheduled 3rd quarter 2006 groundwater sampling indicated that monitor wells MW-8 and MW-10 are impacted by dissolved phase benzene which exceeds the NMOCD regulatory standard. Please reference Table 3 for Concentrations of BTEX in Groundwater and Appendix B for laboratory results. Analytical results from groundwater samples collected during the 3rd quarter 2006 sampling event indicate that recovery well RW-1 and monitor well MW-3 and MW-9 contained dissolved phase benzene, as well as PSH. The occurrence of dissolved phase benzene identified in monitor wells MW-8 and MW-10 indicates additional down gradient delineation is required at the site.

4.0 ABATEMENT OPTIONS

4.1 Soil Abatement Options

Hydrocarbon impacted soil, above the applicable NMOCD regulatory standard, was identified in soil samples collected from recovery well RW-1 (adjacent to the release source) from the surface to 55 feet bgs and in monitor well MW-3 from the surface to 60 feet bgs. During the installation of monitor well MW-9, impacted soil was encountered at a depth of 50-55 feet bgs, this interval is located immediately above the groundwater interface. Please reference Table 2, for soil

analytical data, Figure 2 for the locations of the recovery and monitor wells and Appendix B for laboratory analytical results.

Due the location of the release, within the confines of an active station, Plains proposes a risk-based partial excavation of the hydrocarbon impacted soil and installation of an impervious liner on the floor of the excavation. The hydrocarbon-impacted soil will be excavated to a depth of five (5) feet bgs and stockpiled on-site. The volume of excavated soil will be approximately 182 cubic yards (cy). The proposed area of excavation is defined by recovery well RW-1 and monitor well MW-3. Please reference Figure 5 for a Proposed Excavation map. The excavation activities will be field evaluated utilizing visual, olfactory observations and photo-ionization detector (PID) technologies. The sidewalls of the excavation will be sampled utilizing standard sampling protocol and submitted for confirmatory TPH analysis. When confirmation analytical results indicate the sidewalls of the excavation are below NMOCD regulatory levels, based on allowable concentrations as discussed in Section 3.3 of this Stage 1 and Stage 2 Abatement Plan, the excavation will cease. Following excavation and with NMOCD approval, the floor of the excavation will be covered with a six-inch layer of non-impacted sand and a twenty-millimeter thick polyethylene liner, and covered with a six-inch layer of non-impacted cushioning sand. The sand layers act as a protective barrier from sharp objects in the excavation. Monitor and recovery wells located within the excavation will be fitted with a protective boot to maintain the impervious qualities of the liner. The liner sheds moisture to the edges of the liner and away from any impacted soil below the liner, limiting the potential for leaching of impacted soil to the groundwater. With NMOCD approval, the hydrocarbon impacted stockpiles will be transported to an NMOCD approved landfarm for remediation and Plains will purchase non-impacted soil to backfill the excavation. Following the backfilling of the excavation, the surface will be restored to as near original grade as practical and vegetation acceptable to the landowner will be established.

Plains proposes this soil abatement strategy because the site is an active metering station and due to the excessive depth of impacted soil at the site. Total excavation of the impacted soil would not be technically feasible or practical for this site.

4.2 Groundwater Abatement Options

On September 29, 2006, the site monitor/recovery wells were gauged during scheduled third quarter 2006 sampling events. The collected third quarter gauging data was plotted and a groundwater gradient map was constructed. The data indicates that the site groundwater gradient is 0.008 feet/foot in east northeast direction. Please reference Table 1 for Groundwater Elevation Data and Figure 6 for the third quarter 2006 Groundwater Gradient Map.

The site is currently impacted by PSH in three of the on-site monitor/recovery wells (MW-3, MW-9 and RW-1). Please see Table 1 for Groundwater Elevation Data. Currently, two monitor wells and one recovery well are recovered three (3) times weekly by manual recovery methods and manually recovered PSH is stored in an on-site polystyrene storage tank. The recovered product is periodically re-injected into the Plains transportation system. Please reference Table 1 for Groundwater Elevation Data and Figure 7 for an Inferred PSH Distribution Map.

An automated product recovery system is pending at the time of publication of this Stage 1 and Stage 2 Abatement Plan. The automated product recovery system will employ three skimming pumps powered by compressed air and placed in monitor wells MW-3, MW-9 and recovery well RW-1. Recovered product will be stored in an onsite polystyrene storage tank and will be periodically re-injected into the Plains transportation system. Plains anticipates the automated recovery system will allow for a more consist product recovery effort and increased dissolved phase plume control. It is anticipated the automated skimmer system will be operational by the end of 2006.

On September 29, 2006, the site monitor wells and recovery well were sampled for BTEX constituents, during the scheduled third quarter 2006 sampling event. As requested by the NMOCD, wells containing measurable thicknesses of PSH were recovered and sampled utilizing sampling protocol reserved for non-impacted monitor/recovery wells. The analytical results indicate dissolved phase benzene impact in five (5) of the on-site monitor/recovery wells (MW-3, MW-8, MW-9, MW-10 and RW-1). The analytical results further indicate that additional down gradient delineation of the dissolved phase hydrocarbon plume will be required. Additional on-site monitor wells will be installed, as required, to complete the delineation. Please reference Table 3 for BTEX concentrations in Water and Figure 7 for a Dissolved Phase Benzene Concentration in Groundwater Map.

While on-site PSH recovery efforts are being utilized, groundwater remediation technologies, as outlined below, cannot be conducted due to the presence of PSH.

An accurate estimate of the hydraulic properties of the dissolved phase impacted aquifer will require completion of a 24-hour steady state draw down test. Analysis of the data gathered from aquifer testing will enable reliable estimates of transmissive and storage properties needed as modeling parameters used to design and test groundwater treatment alternatives at the site. In order to assess the effectiveness of potential bioremediation alternatives at the site, sampling and analysis of the indigenous microbe colonies present in both the unsaturated and saturated zones will also be conducted.

Upon completion of PSH recovery efforts and aquifer testing, abatement of the impacted on-site groundwater is technically feasible utilizing the following technologies:

- Monitored Natural Attenuation / Long Term Groundwater Monitoring
- Groundwater Pump and Treat System
- Air Sparging

Monitored Natural Attenuation / Long Term Groundwater Monitoring technology (NA/LT) relies on naturally occurring processes such as dispersion, diffusion, sorption and degradation (either biodegradation or abiotic processes such as hydrolysis), volatilization and dilution to control plume movement and destruction of dissolved phase hydrocarbons in the groundwater. Volatilization and diffusion are relatively unimportant in most non-clay groundwater systems; therefore, the main attenuation processes active are dispersion, sorption, degradation and dilution. Dispersion is subsurface mixing due to groundwater movement and aquifer heterogeneities. Vertical dispersion is not common at sites impacted with light non-aqueous

phase liquids such as crude oil so this component may also be disregarded. Sorption is a nondestructive process in which hydrocarbon compounds are sorbed to the aquifer matrix, represented by a retardation factor. Sorption operates as an attenuation process by effectively reducing the mass available to the dissolved phase plume. Biodegradation involves chemical transformation of the hydrocarbon constituents into mineralized end products, for instance CO_2, H_2O and salts, by living organisms. Occasionally, metabolic activity does change the chemical form of the hydrocarbon constituents but does not conclude with mineralization; this is referred to as biotransformation. Of particular importance in this pathway of attenuation is the determination of whether the impacted area is controlled by either anaerobic or aerobic conditions. Aerobic conditions exist under relatively oxygen rich environments resulting in compounds being formed through the reaction of available oxygen and dissolved phase hydrocarbons transforming into H_2O. Anaerobic conditions are relatively oxygen poor environments and result in transformations into nitrate, ferric iron, sulfate and carbon dioxide products. Dilution is mixing of the plume with groundwater flowing through the effected area. It becomes an important process in natural attenuation when the impacted groundwater enters a zone where significant surface recharge enters the impacted aquifer. Geochemical indicators and concentration migration rate calculations will be utilized to determine if dissolved phase hydrocarbons are susceptible to natural attenuation on a site-specific basis. NA/LT technologies can be combined with passive groundwater remediation technologies, such as Isoc ® technology, which are designed to enhance natural attenuation of impacted groundwater.

Pump and Treat technology employs groundwater withdraw, combined with an air stripping system to remove dissolved BTEX constituents from the ground water. Hydraulic conductivity values expected from the loose, unconsolidated sands found in the area should support a relatively expanded range of ground water withdrawal rates. As the project matures, withdrawal rates are varied in response to shifting contaminant of concern concentration foci in an effort to maximize system utilization. The primary exclusion factors concerning this type of treatment technology are the extended length of system operation time required to achieve site cleanup goals and the large quantities of effluent produced requiring off-site disposal or injection back into the aquifer materials. Aerated effluent water could be injected back into the formation in up gradient locations to enhance aquifer-flushing action. The injected water would also carry oxygen to the subsurface, promoting biodegradation.

Air Sparging remediates the groundwater by stripping or volatilizing the BTEX constituents from the dissolved phase and increases in-situ biodegradation by the addition of oxygen to the impacted groundwater. As BTEX constituents are liberated from the aqueous phase and enter the gas phase, they migrate to the capillary fringe and subsequently the vadose zone. This treatment technique effectively removes BTEX constituents from the saturated and vadose zones and also restricts continued plume migration. A long-term groundwater monitoring program would be conducted to confirm plume stabilization and to monitor dissolved phase BTEX constituents. A single injection well pilot test is conducted to test the applicability of this remedial technology. A skid mounted compressor as well as vadose zone monitor wells are utilized for pilot testing purposes. The following in-situ parameters are monitored during pilot testing: soil gas concentrations of BTEX constituents, soil gas pressure and groundwater level measurements. The following in-situ parameters are monitored after the air injection ceases: dissolved phase BTEX concentration, dissolved oxygen levels, temperature, and Redox potential/pH.

Installations of injection wells across areas of effected groundwater are conducted incrementally to optimize the well field configuration. The 2-inch, schedule 40 PVC injection wells penetrate the saturated zone with approximately 5 feet of fully immersed 0.020-inch slotted pipe. Air compressors are utilized to generate the required air pressure for injection purposes. On the surface, the wells are piped to an activated carbon filtering system for effluent gas treatment prior to atmospheric discharge. A moisture knock out pot is installed down line of the effluent piping manifold to prevent moisture from entering the carbon treatment unit. Air Sparging generally consists of a compressor, pressure regulator, pressure gauges, flow meters, vacuum blower, and component isolation ball valves. In-situ system operating parameters which are monitored during system operation include: soil gas concentrations of BTEX constituents, injection well pressure and flow rate, weekly oxygen, carbon dioxide, nitrogen and methane concentrations and the pulsing frequency. Data derived from pilot testing is utilized to design the final system configuration.

5.0 SCHEDULE OF ABATEMENT ACTIVITIES

The installation of an automated product recovery system is pending the installation of utility poles by the local utility company. Plains anticipates this system will be fully operational by years end. Plains is prepared to conduct soil abatement activities, as outlined above, immediately following NMOCD approval of this Stage 1 and Stage 2 Abatement Plan. Groundwater abatement activities will commence following the removal of on-site PSH thicknesses. Aquifer testing will determine which of the outlined groundwater abatement alternatives is most effective on the 34 Junction South Station site. After testing is completed and evaluated, Plains will submit a Modified Stage 2 Abatement Plan to address dissolved phase issues at the site.

6.0 MONITORING PROGRAM

All site monitor and recovery wells are gauged and sampled on a quarterly basis. Each well is monitored for the presence of PSH and depth to groundwater. All groundwater monitor wells, with the exception of those registering a presence of PSH greater than 0.01 foot thick, are purged and sampled for dissolved phase BTEX constituents. Groundwater sampling methodology is described in Section 8.2, Groundwater Sampling of this Stage 1 and Stage 2 Abatement Plan. Monitor wells with PSH are gauged and pumped down by hand bailing or with an electronic pump on a site-specific schedule. Recovered product is temporarily stored in the trailer mounted PSH polystyrene tank until it is reintroduced into the Plains transportation system. The quarterly groundwater monitoring data is compiled and summarized in an Annual Monitoring Report, which is submitted to the NMOCD on April 1st of each year.

7.0 SUMMARY AND CONCLUSIONS

A total of ten (10) groundwater monitor wells and one (1) recovery well are currently present on-site. Two (2) monitor wells and the recovery well exhibit measurable PSH thicknesses. An automated product recovery system will be installed by years end. The automated recovery system will employ skimming pumps in monitor wells MW-3 and MW-9 and recovery well RW-1. Currently, four (4) monitor wells and the recovery well exhibit dissolved phase concentrations

in excess of the NMOCD regulatory standard. Additional monitor wells will be installed at the site to complete the delineation of the plume.

Due to the depth of impacted soil and since the site is an operating metering station Plains proposes a limited excavation of impacted soil and the installation of a polyethylene liner to limit leaching of contaminants of concern to the groundwater.

After PSH has been removed from the site monitor and recovery wells, aquifer testing will be conducted and evaluated. A groundwater abatement technology will be selected based on the information obtained from the aquifer testing. The site will be monitored and sampled on a quarterly schedule and an annual report will be submitted to the NMOCD by April 1st of each year.

8.0 QA/QC PROCEDURES

8.1 Soil Sampling

Samples of subsurface soils are obtained utilizing a split spoon sampler. Representative soil samples are divided into two separate portions using clean, disposable gloves and clean sampling tools. One portion of the soil sample is placed in a disposable sample bag. The bag is labeled and sealed for headspace analysis using a PID calibrated to a 100-ppm isobutylene standard. Each sample is allowed to volatilize for approximately thirty minutes at ambient temperature prior to conducting the analysis.

The other portion of the soil sample is placed in a sterile glass container equipped with a Teflon-lined lid furnished by the analytical laboratory. The container is filled to capacity to limit the amount of headspace present. Each container is labeled and placed on ice in an insulated cooler. Upon selection of samples for analysis, the cooler is sealed for shipment to the laboratory. Proper chain-of-custody documentation is maintained throughout the sampling process.

Soil samples are delivered to a certified laboratory for BTEX, and TPH analyses using the methods described below. Soil and ground water samples are analyzed within fourteen days following the collection date.

- BTEX concentrations in accordance with EPA SW 846 Method 8021B, 5030,
- TPH concentrations in accordance with EPA SW 846 Method 8015M GRO/DRO.

8.2 Ground Water Sampling

After purging the wells, ground water samples are collected with a disposable Teflon sampler and polyethylene line by personnel wearing clean, disposable gloves.

Ground water samples collected for BTEX analysis are placed in 40 ml glass VOA vials equipped with Teflon lined caps, which are provided by the analytical laboratory. The vials are filled to a positive meniscus, sealed, and visually checked to ensure the absence of air bubbles.

The filled containers are labeled and placed on ice in an insulated cooler. The cooler is sealed for transportation to the analytical laboratory. Proper chain-of-custody documentation is maintained throughout the sampling process.

The ground water samples are analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030

8.3 Decontamination of Equipment

Cleaning of drilling equipment is the responsibility of the drilling company. In general, the cleaning procedures consists of using high-pressure steam to wash the drilling and sampling equipment prior to drilling and prior to starting each hole. Prior to use, the sampling equipment is cleaned with Liqui-Nox® detergent and rinsed with distilled water.

8.4 Laboratory Protocol

The laboratory is responsible for proper QA/QC procedures after signing the chain-of-custody form. These procedures are either transmitted with the laboratory reports or are on file at the laboratory.

9.0 LIMITATIONS

NOVA Safety and Environmental has prepared this Stage 1 and Stage 2 Abatement Plan to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA and/or Plains.

10.0 DISTRIBUTION:

Copy 1: Glenn von Gonten
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Copy 2: Larry Johnson
New Mexico Oil Conservation Division
1625 N. French Dr.
Hobbs, New Mexico 88210

Copy 3: Thaddeus Kostrubala
New Mexico State Land Office
P.O. Box 1148
Santa Fe, New Mexico 87404

Copy 4: Jeff Dann
Plains Marketing, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002
jpdann@paalp.com

Copy 5: Camille Reynolds
Plains Marketing, L.P.
3112 Highway 82
Lovington, New Mexico 88260
cjreynolds@paalp.com

Copy 6: NOVA Safety and Environmental
2057 Commerce
Midland, TX 79703
cstanley@novatraining.cc

Figures

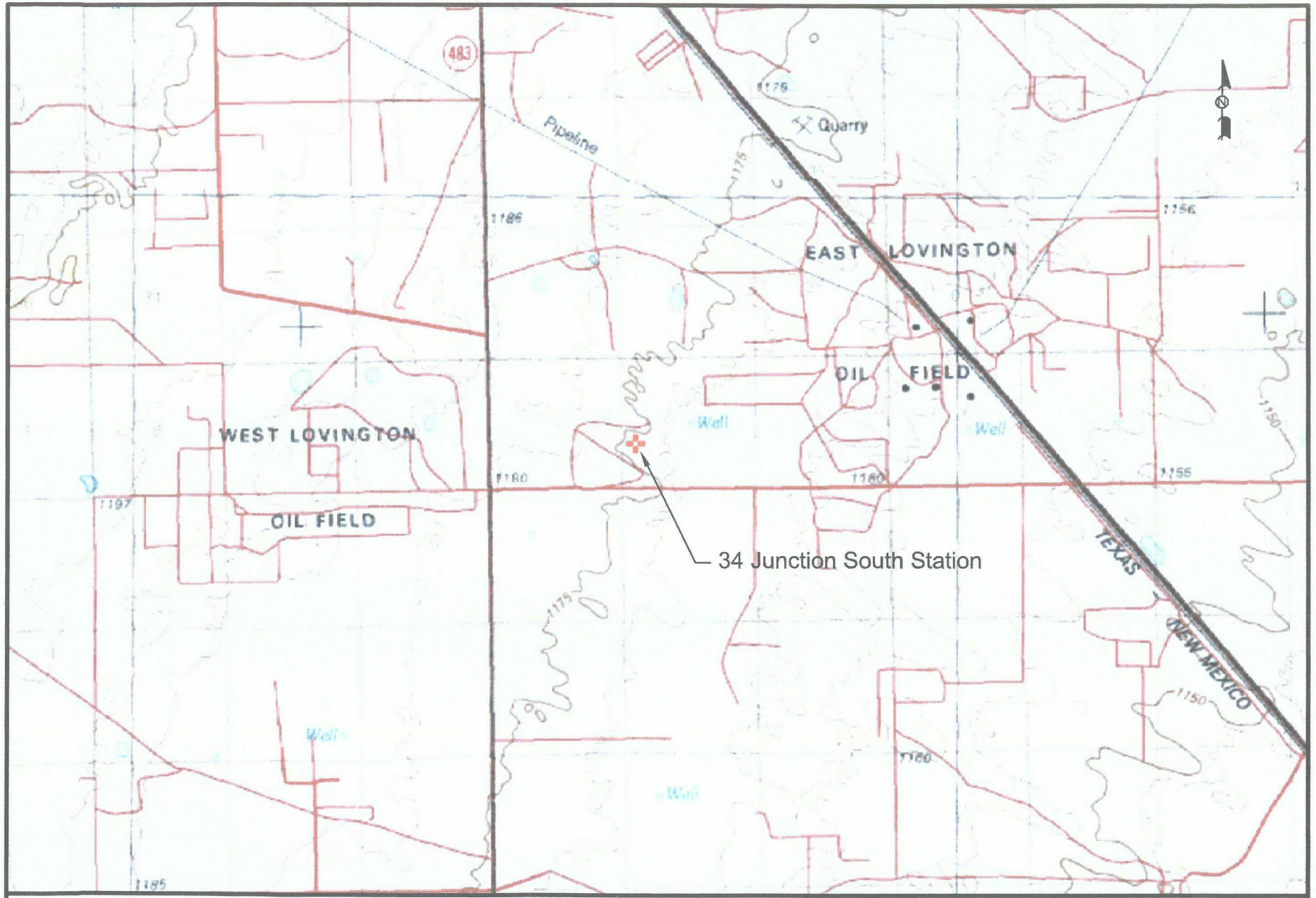


Figure 1
Site Location Map
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA Safety and Environmemntal

NOVA safety and environmental	Scale: 1" = 4000'	Prep By: CDS	Checked By: TKC
	October 17, 2006	Lat. 32° 51' 42.4"N Long. 103° 19' 54.4"	

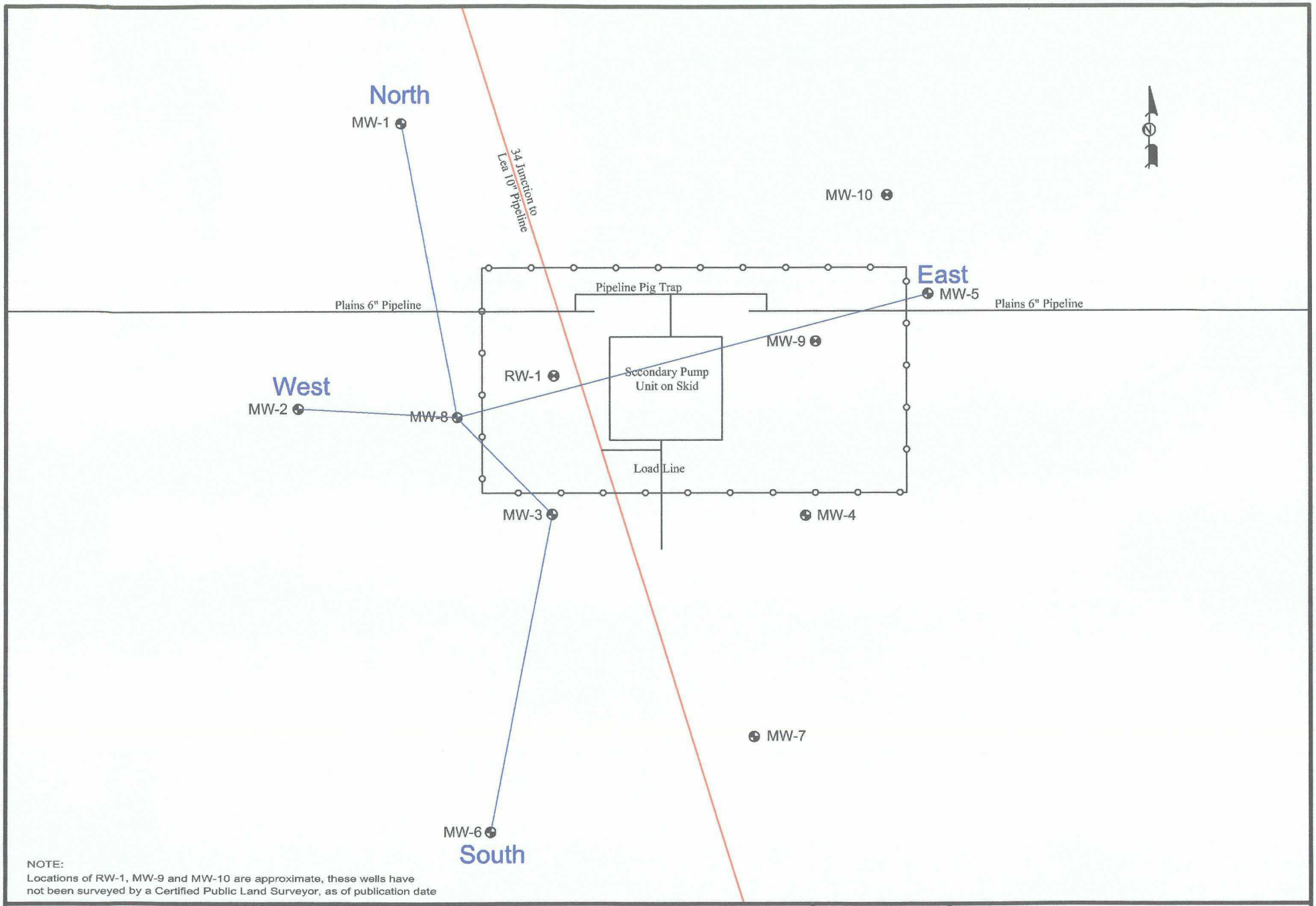


Figure 2
Site Map and
Cross Section Index
Plains Marketing, L.P.
34 Junction South
Station
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 30'	CAD By: DGC	Checked By: CDS
October 12, 2006	SW/SW Section 2, T17S, R36E	

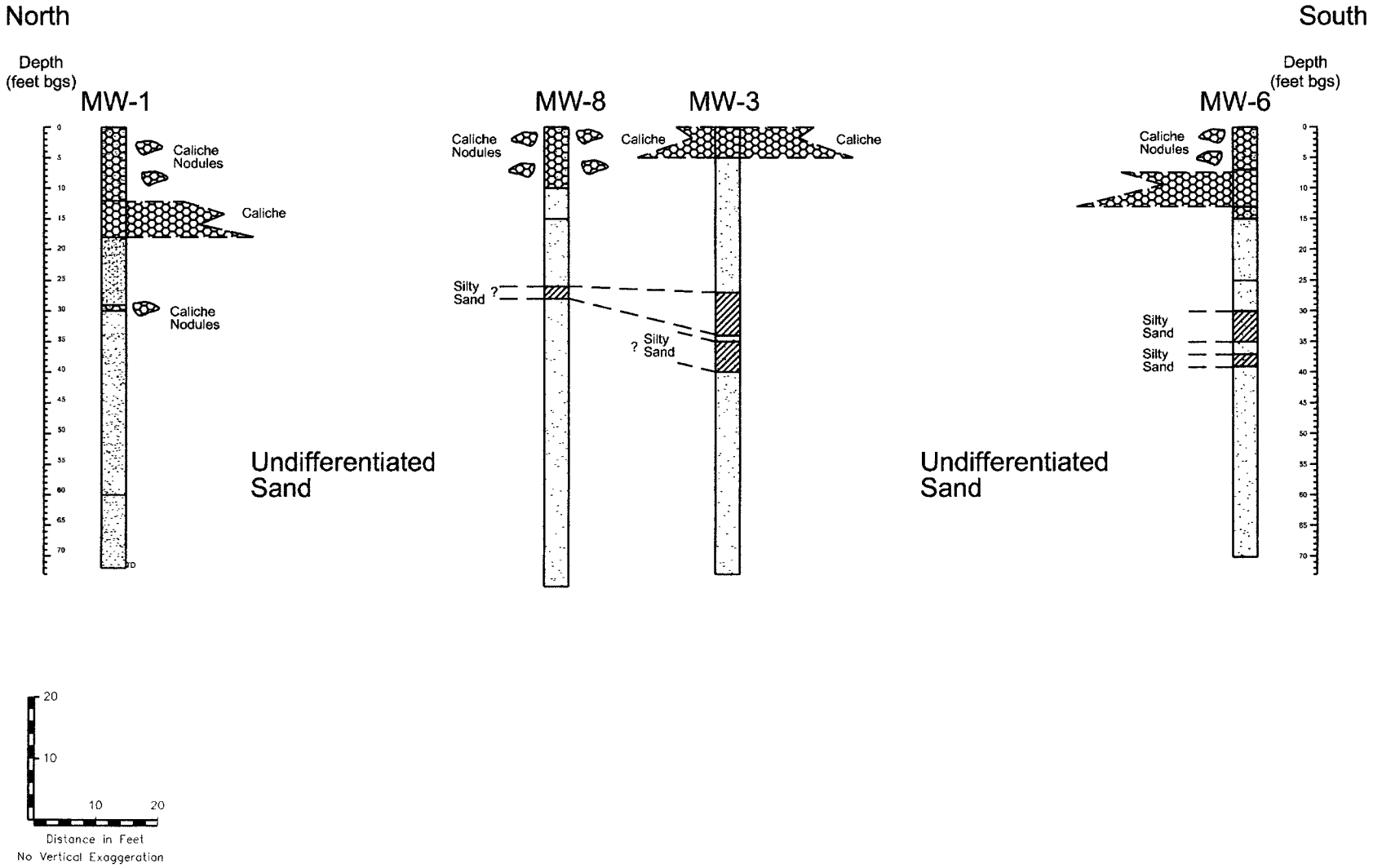


Figure 3

North - South Stratagraphic Cross Section

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: As Shown	CAD By: CDS	Checked By: TKC
October 20, 2006		

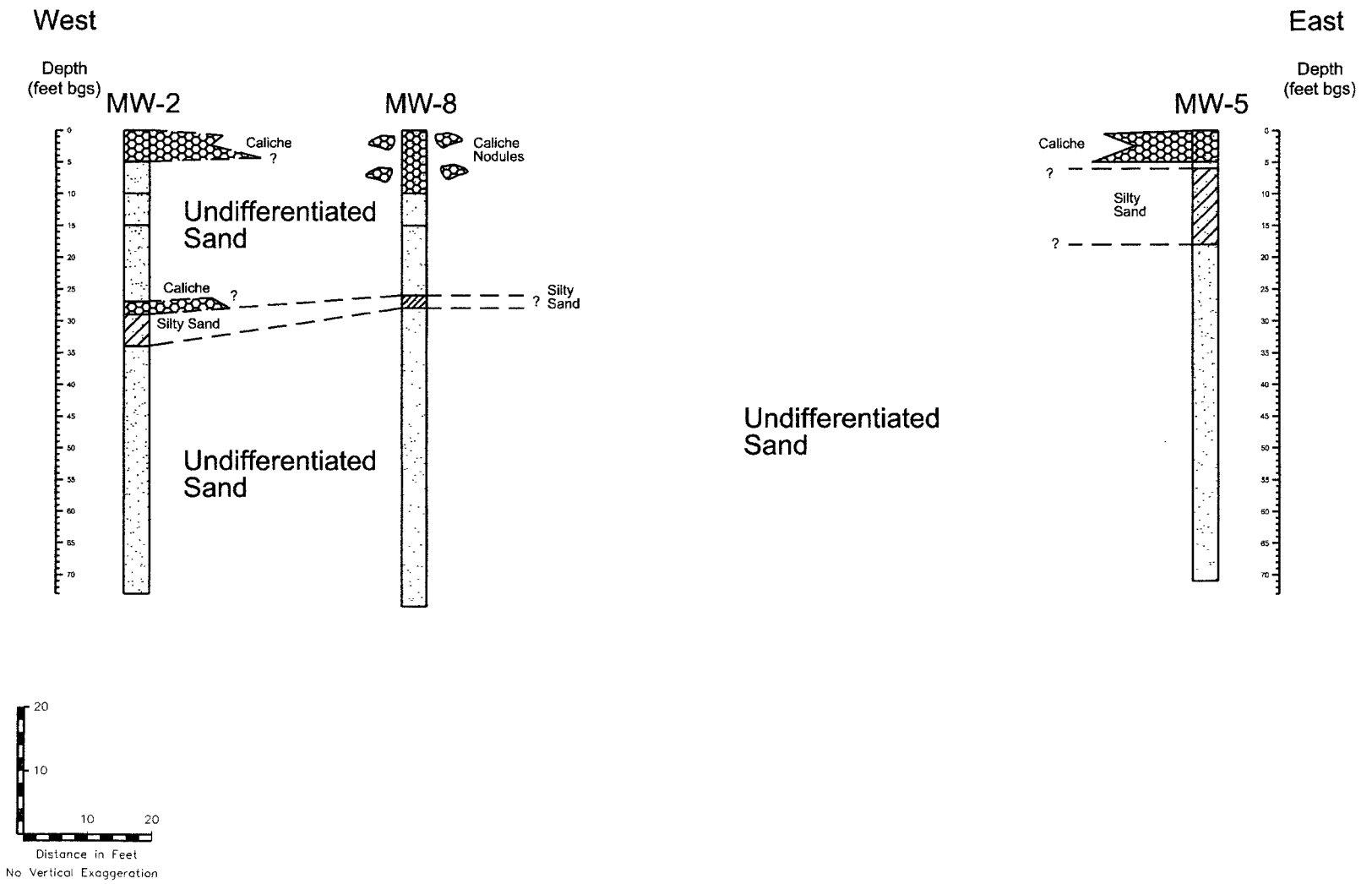


Figure 4

West - East Stratagraphic Cross Section

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: As Shown	CAD By: CDS	Checked By: TKC
October 20, 2006		

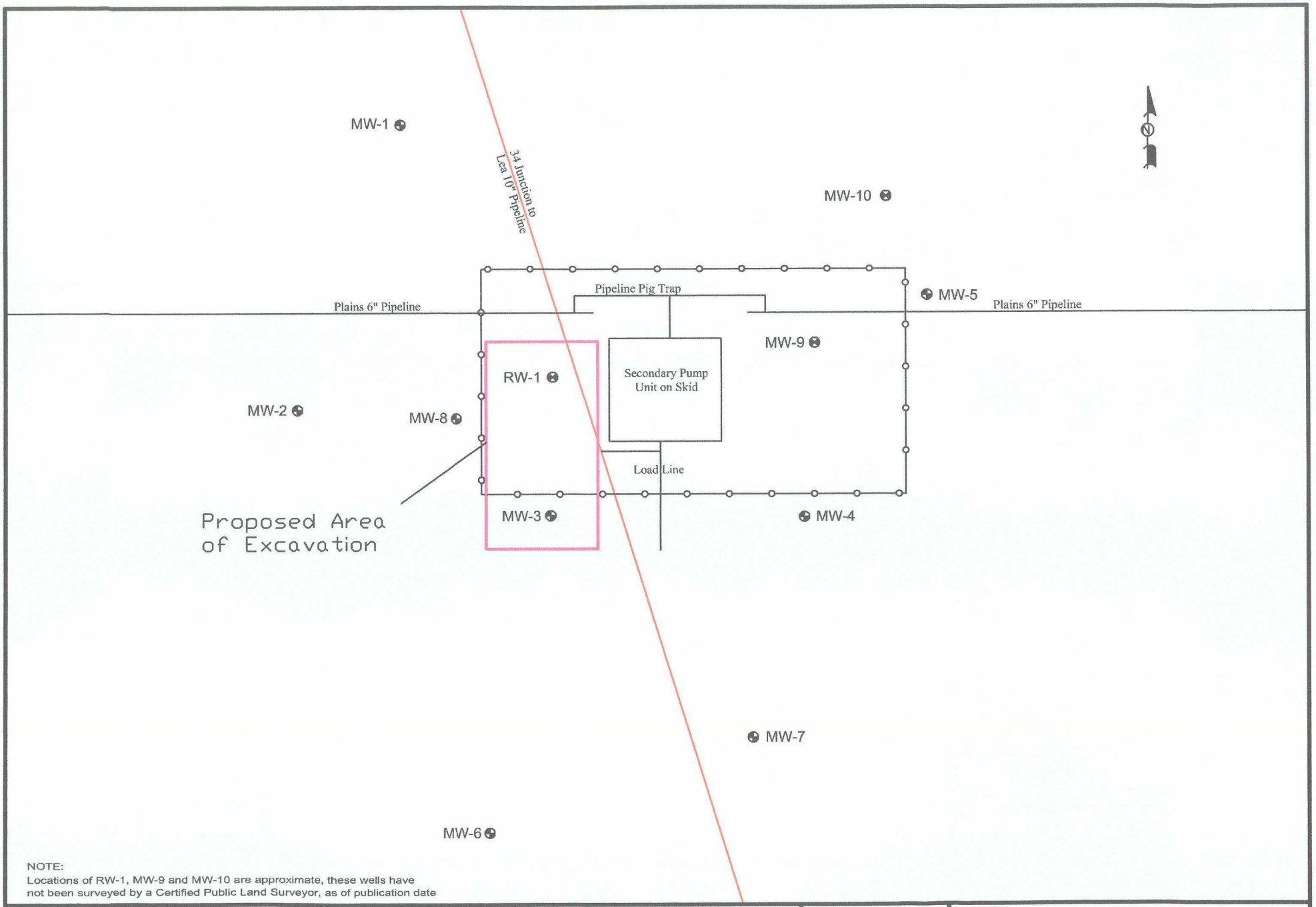
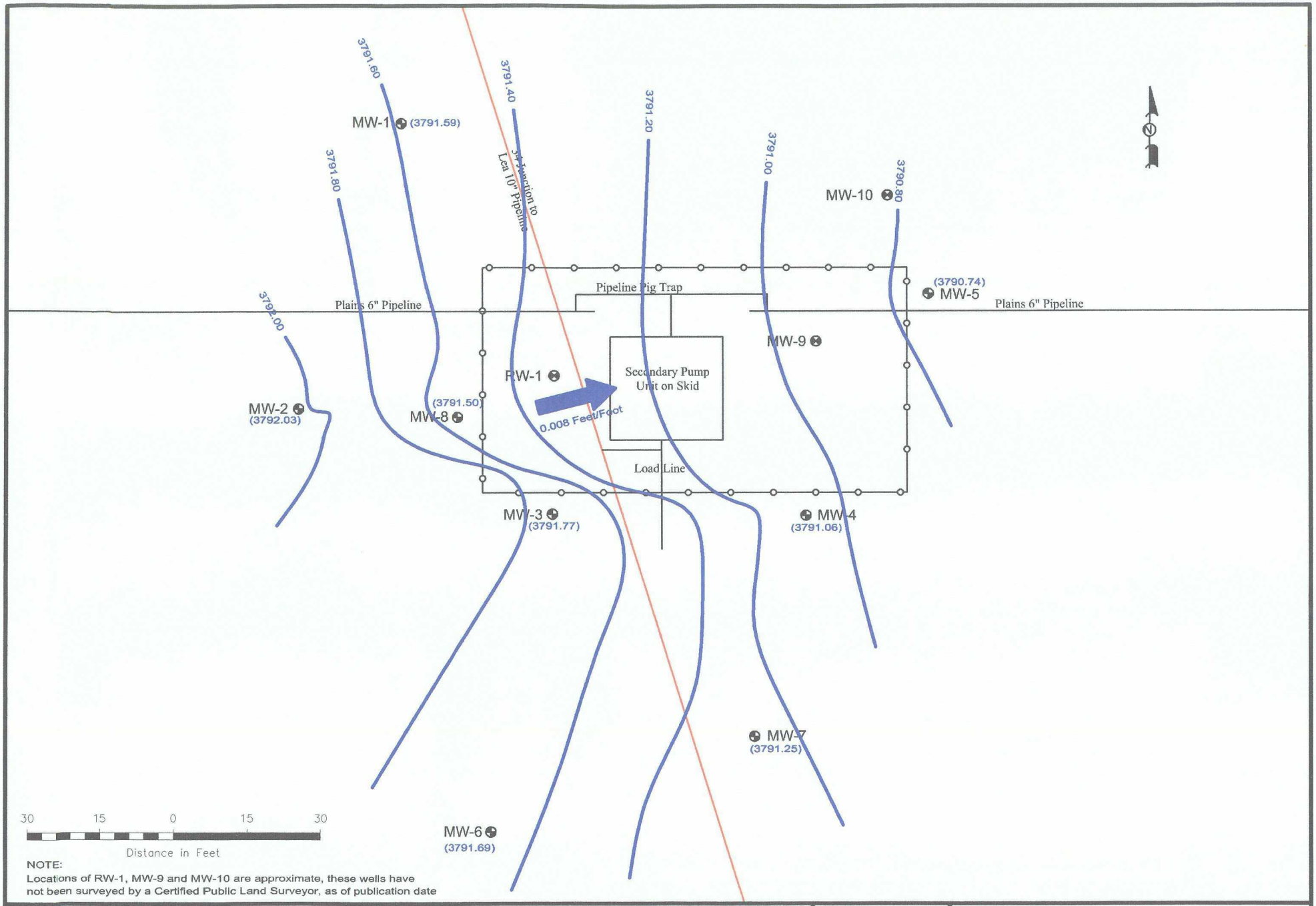


Figure 5
Proposed Area
of Excavtion

Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 30'	CAD By: DGC	Checked By: CDS
October 12, 2006	SW/SW Section 2, T17S, R36E	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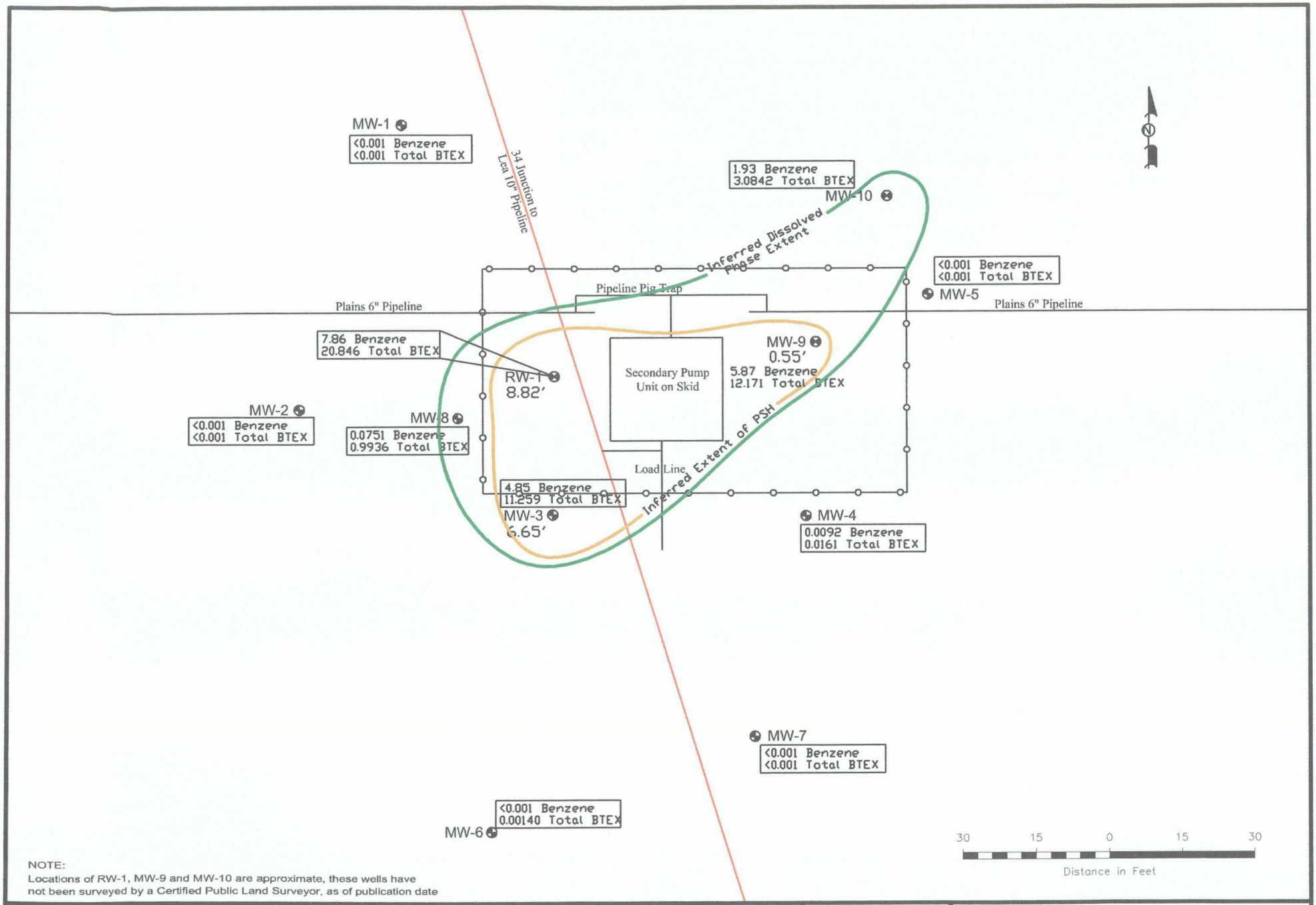
3791.80
3792.00
MW-1 (3791.59)
MW-10
(3790.74)
MW-5
Plains 6" Pipeline
Pipeline Pig Trap
Plains 6" Pipeline
Lea 10" Pipeline
MW-9
RW-1
Secondary Pump Unit on Skid
MW-2 (3792.03)
(3791.50)
MW-8
0.008 Feet/Foot
Load Line
MW-3 (3791.77)
MW-4 (3791.06)
MW-7 (3791.25)
MW-6 (3791.69)
30 15 0 15 30
Distance in Feet
NOTE:
Locations of RW-1, MW-9 and MW-10 are approximate, these wells have not been surveyed by a Certified Public Land Surveyor, as of publication date
Legend:
Monitor Well Location
Recovery Well Location
Pipeline
(3791.69) Grounwater Elevation (Feet)
Grounwater Elevation Contour Line
0.008 Feet/Foot
Groundwater Direction and Magnitude
Figure 6
Inferred Groundwater Gradient Map (09/28/06)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 30'
CAD By: DGC
Checked By: CDS
October 17, 2006
SW/SW Section 2, T17S, R36E



NOTE:
Locations of RW-1, MW-9 and MW-10 are approximate, these wells have not been surveyed by a Certified Public Land Surveyor, as of publication date

Legend:

- Monitor Well Location
- Recovery Well Location
- Pipeline
- 6.65' Inferred PSH thickness in feet
- Inferred Extent of PSH
- Inferred Dissolved Phase Extent
- All Concentrations in mg/L

Figure 7
Inferred PSH and Dissolved Phase Extent Map (9/28/06)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 30'	CAD By: DGC	Checked By: CDS
October 12, 2006	SW/SW Section 2, T17S, R36E	

Tables

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	*10/25/05*	3,850.68	-	58.79	0.00	3,791.89
	09/15/06	3,850.68	-	59.17	0.00	3,791.51
	09/27/06	3,850.68	sheen	59.11	0.00	3,791.57
	09/28/06	3,850.68	-	59.09	0.00	3,791.59
	10/06/06	3,850.68	-	59.09	0.00	3,791.59
	10/13/06	3,850.68	-	58.11	0.00	3,792.57
MW - 2	*10/25/05*	3,850.67	-	58.32	0.00	3,792.35
	09/15/06	3,850.67	-	58.75	0.00	3,791.92
	09/28/06	3,850.67	-	58.64	0.00	3,792.03
	10/06/06	3,850.67	-	58.64	0.00	3,792.03
	10/13/06	3,850.67	-	58.65	0.00	3,792.02
MW - 3	10/25/05	3,850.43	57.45	63.87	6.42	3,792.02
	11/29/05	3,850.43	57.44	63.86	6.42	3,792.03
	12/29/05	3,850.43	57.25	65.28	8.03	3,791.98
	01/27/06	3,850.43	57.28	64.68	7.40	3,792.04
	02/28/06	3,850.43	57.38	64.72	7.34	3,791.95
	09/14/06	3,850.43	57.59	65.13	7.54	3,791.71
	09/15/06	3,850.43	57.70	65.04	7.34	3,791.63
	09/18/06	3,850.43	57.56	59.28	1.72	3,792.61
	09/26/06	3,850.43	57.46	65.50	8.04	3,791.76
	09/27/06	3,850.43	57.62	65.09	7.47	3,791.69
	09/28/06	3,850.43	57.66	64.31	6.65	3,791.77
	10/02/06	3,850.43	57.51	65.47	7.96	3,791.73
	10/04/06	3,850.43	57.52	65.43	7.91	3,791.72
	10/06/06	3,850.43	57.53	65.42	7.89	3,791.72
	10/09/06	3,850.43	57.52	65.57	8.05	3,791.70
	10/11/06	3,850.43	57.33	65.43	8.10	3,791.89
	10/13/06	3,850.43	57.56	65.36	7.80	3,791.70
	10/16/06	3,850.43	57.56	65.49	7.93	3,791.68
MW - 4	*10/25/05*	3,850.26	-	58.86	0.00	3,791.40
	09/15/06	3,850.26	-	59.30	0.00	3,790.96
	09/27/06	3,850.26	sheen	59.18	0.00	3,791.08
	09/28/06	3,850.26	-	59.20	0.00	3,791.06
	10/06/06	3,850.26	-	59.20	0.00	3,791.06
	10/13/06	3,850.26	-	59.22	0.00	3,791.04
MW-5	*10/25/05*	3,849.77	-	58.69	0.00	3,791.08
	09/15/06	3,849.77	-	59.29	0.00	3,790.48
	09/27/06	3,849.77	sheen	59.02	0.00	3,790.75
	09/28/06	3,849.77	-	59.03	0.00	3,790.74
	10/06/06	3,849.77	-	59.01	0.00	3,790.76

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

MW-5	10/13/06	3,849.77	-	59.00	0.00	3,790.77
MW-6	09/15/06	3,851.10	-	59.48	0.00	3,791.62
	09/27/06	3,851.10	sheen	59.42	0.00	3,791.68
	09/28/06	3,851.10	-	59.41	0.00	3,791.69
	10/06/06	3,851.10	-	59.41	0.00	3,791.69
	10/13/06	3,851.10	-	58.42	0.00	3,792.68
MW-7	09/15/06	3,847.03	-	55.86	0.00	3,791.17
	09/28/06	3,847.03	-	55.78	0.00	3,791.25
	10/06/06	3,847.03	-	55.82	0.00	3,791.21
	10/13/06	3,847.03	-	55.81	0.00	3,791.22
MW-8	09/15/06	3,851.00	-	59.61	0.00	3,791.39
	09/27/06	3,851.00	sheen	59.60	0.00	3,791.40
	09/28/06	3,851.00	-	59.50	0.00	3,791.50
	10/06/06	3,851.00	sheen	59.41	0.00	3,791.59
	10/13/06	3,851.00	sheen	59.44	0.00	3,791.56
MW-9	09/15/06		-	59.90	0.00	
	09/18/06		56.73	58.74	2.01	
	09/26/06		59.72	60.72	1.00	
	09/27/06		59.80	60.37	0.57	
	09/28/06		59.75	60.30	0.55	
	10/02/06		59.71	60.77	1.06	
	10/04/06		59.76	60.63	0.87	
	10/06/06		59.74	60.66	0.92	
	10/09/06		59.64	61.22	1.58	
	10/11/06		59.68	60.95	1.27	
	10/13/06		59.72	60.88	1.16	
	10/16/06		59.50	61.82	2.32	
MW-10	09/15/06		-	60.10	0.00	
	09/27/06		sheen	60.06	0.00	
	09/28/06		-	60.08	0.00	
	10/06/06		-	60.06	0.00	
	10/13/06		-	60.07	0.00	
RW-1	09/28/05		57.92	66.77	8.85	
	10/25/05		57.75	67.29	9.54	
	11/29/05		57.96	66.79	8.83	
	12/29/05		58.00	66.65	8.65	
	01/27/06		58.08	66.50	8.42	
	02/28/06		58.05	66.45	8.40	
	09/15/06		56.34	69.70	13.36	
	09/15/06		56.65	68.65	12.00	
	09/18/06		56.73	67.95	11.22	

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

RW-1	09/26/06		56.98	66.78	9.80	
	09/28/06		57.13	65.95	8.82	
	10/02/06		57.10	66.31	9.21	
	10/04/06		57.16	66.23	9.07	
	10/06/06		57.19	66.15	8.96	
	10/09/06		57.22	66.07	8.85	
	10/11/06		57.25	65.95	8.70	
	10/13/06		57.27	65.91	8.64	
	10/16/06		57.28	65.88	8.60	

TABLE 2

CONCENTRATIONS OF BTEX AND TPH IN SOIL

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
EMS: 2005-00138

SAMPLE LOCATION	SAMPLE DEPTH	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		TOTAL TPH (mg/Kg)
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- (mg/Kg)	M,P- (mg/Kg)	O-XYLENE (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{35} (mg/Kg)	
NMOCD REGULATORY LIMIT			10	TOTAL BTEX 50						100
RW-1 5'	5' bgs	09/19/05	<0.025	0.096	0.036	0.112	<0.025	269	2170	**2440**
RW-1 15'	15' bgs	09/19/05	<0.025	0.032	<0.025	0.049	<0.025	431	3330	**3760**
RW-1 25'	25' bgs	09/19/05	0.025	0.129	0.042	0.520	0.069	1030	5400	**6430**
RW-1 35'	35' bgs	09/19/05	<0.025	<0.025	<0.025	<0.025	<0.025	228	2710	**2940**
RW-1 45'	45' bgs	09/19/05	<0.025	<0.025	<0.025	<0.025	<0.025	528	4530	**5060**
RW-1 55'	55' bgs	09/19/05	<0.025	0.027	0.027	0.067	<0.025	1080	8600	**9680**
MW-1 5'	5' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-1 15'	15' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-1 25'	25' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-1 35'	35' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-1 45'	45' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-1 55'	55' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-2 5'	5' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-2 15'	15' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-2 25'	25' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-2 35'	35' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-2 45'	45' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-2 55'	55' bgs	10/17/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-3 5'	5' bgs	10/18/05	<0.025	0.082	0.080	0.209	0.099	311	1490	**1800**
MW-3 15'	15' bgs	10/18/05	0.242	1.95	2.19	7.33	2.77	2300	6770	**9070**
MW-3 25'	25' bgs	10/18/05	0.325	3.46	4.52	13.5	5.53	2710	7280	**9990**
MW-3 35'	35' bgs	10/18/05	<0.025	0.060	0.113	0.381	0.147	482	3030	**3510**
MW-3 45'	45' bgs	10/18/05	0.028	0.299	0.542	1.90	0.764	1930	8200	**10100**
MW-3 55'	55' bgs	10/18/05	0.057	0.742	1.43	3.58	2.02	3340	12000	**15300**
MW-3 60'	60' bgs	10/18/05	<0.025	0.052	0.085	0.276	0.096	485	4090	**4580**
MW-4 5'	5' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-4 15'	15' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-4 25'	25' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-4 35'	35' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-4 45'	45' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-4 55'	55' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-5 5'	5' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-5 15'	15' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-5 25'	25' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-5 35'	35' bgs	10/18/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-5 45'	45' bgs	01/10/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-5 55'	55' bgs	01/10/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW- 6 5'	5' bgs	02/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-6 15'	15' bgs	02/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-6 25'	25' bgs	02/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-6 55'	55' bgs	02/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0

TABLE 2

CONCENTRATIONS OF BTEX AND TPH IN SOIL

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
EMS: 2005-00138

SAMPLE LOCATION	SAMPLE DEPTH	SAMPLE DATE	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M		
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- (mg/Kg)	M,P- (mg/Kg)	O-XYLENE (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{35} (mg/Kg)	TOTAL TPH (mg/Kg)
NMOCD REGULATORY LIMIT			**10**	**TOTAL BTEX 50**						**100**
MW-7 5'	5' bgs	02/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-7 15'	15' bgs	02/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-7 25'	25' bgs	02/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-7 55'	55' bgs	02/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-8 5'	5' bgs	03/01/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-8 15'	15' bgs	03/01/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-8 25'	25' bgs	03/01/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-8 50'	50' bgs	03/01/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-8 60'	60' bgs	03/01/06	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0
MW-9 @ 15'	15' bgs	09/13/06						<10.0	<10.0	<10.0
MW-9 @ 35'	35' bgs	09/13/06						<10.0	<10.0	<10.0
MW-9 @ 55'	55' bgs	09/13/06						1280	3130	**4410**
MW-10 @ 15'	15' bgs	09/13/06						<10.0	<10.0	<10.0
MW-10 @ 35'	35' bgs	09/13/06						<10.0	<10.0	<10.0
MW-10 @ 55'	55' bgs	09/13/06						<10	62.6	62.6

TABLE 3

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
JUNCTION 34 SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030				
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)
MW-1	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	<0.001	<0.001	<0.001	
MW-2	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	<0.001	<0.001	<0.001	
MW-3	10/25/05	Not Sampled due to PSH in Well				
	03/29/06	Not Sampled due to PSH in Well				
	06/12/06	Not Sampled due to PSH in Well				
*	09/29/06	**4.85**	**4.42**	**0.439**	**1.55**	
MW-4	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	0.0092	0.0048	<0.001	0.0021	
MW-5	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	<0.001	<0.001	<0.001	
MW-6	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	0.001	<0.001	0.0014	
MW-7	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	<0.001	<0.001	<0.001	
MW-8	03/29/06	**0.011**	0.008	0.003	0.006	<0.001
	06/13/06	**0.144**	0.345	0.084	0.199	0.079
	09/29/06	**0.0751**	0.125	0.0251	0.0927	
MW-9 *	09/29/06	**5.87**	**3.54**	**0.601**	**2.16**	
MW-10	09/29/06	**1.93**	**0.846**	**0.802**	0.228	
RW-1	10/25/05	Not Sampled due to PSH in Well				
	03/29/06	Not Sampled due to PSH in Well				
	06/12/06	Not Sampled due to PSH in Well				
*	09/29/06	**7.86**	**8.8**	**0.986**	**3.2**	

Bold indicates constituent exceeds NMOCD regulatory limits

* indicates well contained measurable thicknesses of PSH which was recovered before sampling

TABLE 4

GENERAL GROUNDWATER CHEMISTRY

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO: 2005-00138

Sample Location	Sample Date	Hydroxic Alkalinity mg/L as CaCo3	Carbonate Alkalinity as CaCo3	Bicarbonate Alkalinity as CaCo3	Total Alkalinity as CaCo3	Total Calcium mg/L	Chloride mg/L	Specific Conductance uMHOS/cm	Fluoride mg/L	Total Potassium mg/L	Total Magnesium mg/L	Total Sodium mg/L	pH s.u.	Sulfate mg/L	Total Dissolved Solids mg/L
WQCC Regulatory Limit		-	-	-	-	-	250	-	1.6	-	-	-	Between 6 and 9	600	1000
MW-1	09/29/06	<1.00	<1.00	206	206	105	37.9	687	1.4	3.81	8.26	35.9	7.24	56.9	414
MW-2		<1.00	<1.00	205	205	120	31.2	749	1.35	3.38	10.6	38.3	7.16	86.6	459
MW-3		<1.00	<1.00	222	222	117	35.6	764	1.18	3.54	9.86	36.2	7.01	78.1	466
MW-4		<1.00	<1.00	183	183	128	30.8	601	1.4	4.18	11.6	31.5	7.27	49.8	357
MW-5		<1.00	<1.00	194	194	121	15.7	600	1.27	4.09	14.7	33.4	7.27	66.8	975
MW-6		<1.00	<1.00	234	234	169	32.6	926	1.26	4.02	16.3	23.4	7.1	192	609
MW-7		<1.00	<1.00	217	217	468	37.1	714	1.15	5.72	22.7	28.1	7.16	129	550
MW-8		<1.00	<1.00	236	236	126	39.1	794	1.28	4.09	10.2	38.1	7.07	89.7	497
MW-9		<1.00	<1.00	214	214	625	24.5	597	1.41	9.72	50.2	28.1	7.08	40.8	355
MW-10		<1.00	<1.00	206	206	532	11.5	450	1.42	5.68	52.1	22.2	7.33	37.1	325
RW-1		<1.00	<1.00	244	244	91.4	25.6	674	1.41	1.82	8.22	33.8	6.98	52.2	687

Appendices

Appendix A
Laboratory Reports

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: 34 Junction South Station

Project Number: 2005-00137

Location: Lea County, NM

Lab Order Number: 5I27011

Report Date: 10/03/05

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00137	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/03/05 14:53

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RW-1 5'	5I27011-01	Soil	09/19/05 11:12	09/27/05 12:20
RW-1 15'	5I27011-02	Soil	09/19/05 11:20	09/27/05 12:20
RW-1 25'	5I27011-03	Soil	09/19/05 11:30	09/27/05 12:20
RW-1 35'	5I27011-04	Soil	09/19/05 11:54	09/27/05 12:20
RW-1 45'	5I27011-05	Soil	09/19/05 12:00	09/27/05 12:20
RW-1 55'	5I27011-06	Soil	09/19/05 12:23	09/27/05 12:20

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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1301 S. County Road 1150	Project Number: 2005-00137	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/03/05 14:53

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 5' (5I27011-01) Soil									
Benzene	**J [0.0140]**	0.0250	mg/kg dry	25	EI52724	09/27/05	09/29/05	EPA 8021B	J
Toluene	**0.0964**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0364**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.112**	0.0250	"	"	"	"	"	"	
Xylene (o)	**J [0.0189]**	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**269**	10.0	mg/kg dry	1	EI52719	09/27/05	09/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	**2170**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2440**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
RW-1 15' (5I27011-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI52820	09/28/05	09/29/05	EPA 8021B	
Toluene	**0.0327**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0159]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0494**	0.0250	"	"	"	"	"	"	
Xylene (o)	**ND**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**431**	10.0	mg/kg dry	1	EI52719	09/27/05	09/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	**3330**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3760**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
RW-1 25' (5I27011-03) Soil									
Benzene	**0.0254**	0.0250	mg/kg dry	25	EI52820	09/28/05	09/28/05	EPA 8021B	
Toluene	**0.129**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0425**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.520**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0693**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1030**	10.0	mg/kg dry	1	EI52719	09/27/05	09/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	**5400**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**6430**	10.0	"	"	"	"	"	"	

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00137	**Reported:**
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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 25' (5I27011-03) Soil									
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*EI52719*	*09/27/05*	*09/28/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*115 %*	*70-130*		"	"	"	"	
RW-1 35' (5I27011-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI52820	09/28/05	09/28/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**J [0.0249]**	0.0250	"	"	"	"	"	"	J
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**228**	10.0	mg/kg dry	1	EI52719	09/27/05	09/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	**2710**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2940**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	
RW-1 45' (5I27011-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI52820	09/28/05	09/28/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**ND**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0283**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**528**	10.0	mg/kg dry	1	EI52719	09/27/05	09/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	**4530**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5060**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*106 %*	*70-130*		"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 55' (5I27011-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI52820	09/28/05	09/29/05	EPA 8021B	
Toluene	**0.0275**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0271**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0675**	0.0250	"	"	"	"	"	"	
Xylene (o)	**J [0.0180]**	0.0250	"	"	"	"	"	"	J
Surrogate: a,a,a-Trifluorotoluene		*91.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1080**	10.0	mg/kg dry	1	EI52719	09/27/05	09/28/05	EPA 8015M	
Diesel Range Organics >C12-C35	**8600**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**9680**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*120 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	

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General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 5' (5I27011-01) Soil									
% Moisture	**6.5**	0.1	%	1	EI52805	09/28/05	09/28/05	% calculation	
RW-1 15' (5I27011-02) Soil									
% Moisture	**5.7**	0.1	%	1	EI52805	09/28/05	09/28/05	% calculation	
RW-1 25' (5I27011-03) Soil									
Chloride	**8.01**	5.00	mg/kg	10	EI52902	09/28/05	09/29/05	EPA 300.0	
% Moisture	**5.9**	0.1	%	1	EI52805	09/28/05	09/28/05	% calculation	
RW-1 35' (5I27011-04) Soil									
% Moisture	**6.1**	0.1	%	1	EI52805	09/28/05	09/28/05	% calculation	
RW-1 45' (5I27011-05) Soil									
% Moisture	**5.5**	0.1	%	1	EI52805	09/28/05	09/28/05	% calculation	
RW-1 55' (5I27011-06) Soil									
% Moisture	**5.3**	0.1	%	1	EI52805	09/28/05	09/28/05	% calculation	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52719 - Solvent Extraction (GC)										
Blank (EI52719-BLK1)				Prepared: 09/27/05 Analyzed: 09/28/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*43.2*		*mg/kg*	*50.0*		*86.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.8*		*"*	*50.0*		*89.6*	*70-130*			
LCS (EI52719-BS1)				Prepared: 09/27/05 Analyzed: 09/28/05						
Gasoline Range Organics C6-C12	385	10.0	mg/kg wet	500		77.0	75-125			
Diesel Range Organics >C12-C35	427	10.0	"	500		85.4	75-125			
Total Hydrocarbon C6-C35	812	10.0	"	1000		81.2	75-125			
Surrogate: 1-Chlorooctane	*42.7*		*mg/kg*	*50.0*		*85.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.5*		*"*	*50.0*		*93.0*	*70-130*			
Calibration Check (EI52719-CCV1)				Prepared: 09/27/05 Analyzed: 09/28/05						
Gasoline Range Organics C6-C12	414		mg/kg	500		82.8	80-120			
Diesel Range Organics >C12-C35	455		"	500		91.0	80-120			
Total Hydrocarbon C6-C35	869		"	1000		86.9	80-120			
Surrogate: 1-Chlorooctane	*60.3*		*"*	*50.0*		*121*	*0-200*			
Surrogate: 1-Chlorooctadecane	*63.4*		*"*	*50.0*		*127*	*0-200*			
Matrix Spike (EI52719-MS1)	**Source: 5I27010-01**			Prepared: 09/27/05 Analyzed: 09/28/05						
Gasoline Range Organics C6-C12	397	10.0	mg/kg dry	514	ND	77.2	75-125			
Diesel Range Organics >C12-C35	437	10.0	"	514	ND	85.0	75-125			
Total Hydrocarbon C6-C35	834	10.0	"	1030	ND	81.0	75-125			
Surrogate: 1-Chlorooctane	*52.1*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.4*		*"*	*50.0*		*109*	*70-130*			
Matrix Spike Dup (EI52719-MSD1)	**Source: 5I27010-01**			Prepared: 09/27/05 Analyzed: 09/28/05						
Gasoline Range Organics C6-C12	402	10.0	mg/kg dry	514	ND	78.2	75-125	1.25	20	
Diesel Range Organics >C12-C35	441	10.0	"	514	ND	85.8	75-125	0.911	20	
Total Hydrocarbon C6-C35	843	10.0	"	1030	ND	81.8	75-125	1.07	20	
Surrogate: 1-Chlorooctane	*52.7*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.3*		*"*	*50.0*		*105*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52724 - EPA 5030C (GC)										
Blank (EI52724-BLK1)				Prepared: 09/27/05 Analyzed: 09/28/05						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*39.6*		*ug/kg*	*40.0*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.8*		*"*	*40.0*		*102*	*80-120*			
LCS (EI52724-BS1)				Prepared: 09/27/05 Analyzed: 09/28/05						
Benzene	44.5		ug/kg	50.0		89.0	80-120			
Toluene	42.5		"	50.0		85.0	80-120			
Ethylbenzene	50.8		"	50.0		102	80-120			
Xylene (p/m)	94.1		"	100		94.1	80-120			
Xylene (o)	54.8		"	50.0		110	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.2*		*"*	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*44.0*		*"*	*40.0*		*110*	*80-120*			
Calibration Check (EI52724-CCV1)				Prepared: 09/27/05 Analyzed: 09/28/05						
Benzene	40.1		ug/kg	50.0		80.2	80-120			
Toluene	40.1		"	50.0		80.2	80-120			
Ethylbenzene	46.4		"	50.0		92.8	80-120			
Xylene (p/m)	86.6		"	100		86.6	80-120			
Xylene (o)	49.5		"	50.0		99.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*33.5*		*"*	*40.0*		*83.8*	*0-200*			
Surrogate: 4-Bromofluorobenzene	*37.3*		*"*	*40.0*		*93.2*	*0-200*			
Matrix Spike (EI52724-MS1)	**Source: 5I27006-01**			Prepared: 09/27/05 Analyzed: 09/28/05						
Benzene	0.0480	0.00100	mg/kg dry	0.0509	ND	94.3	80-120			
Toluene	0.0478	0.00100	"	0.0509	ND	93.9	80-120			
Ethylbenzene	0.0589	0.00100	"	0.0509	ND	116	80-120			
Xylene (p/m)	0.109	0.00100	"	0.102	ND	107	80-120			
Xylene (o)	0.0591	0.00100	"	0.0509	ND	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.3*		*ug/kg*	*40.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.2*		*"*	*40.0*		*108*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52724 - EPA 5030C (GC)										
Matrix Spike Dup (EI52724-MSD1)	**Source: 5I27006-01**			Prepared: 09/27/05 Analyzed: 09/28/05						
Benzene	0.0442	0.00100	mg/kg dry	0.0509	ND	86.8	80-120	8.28	20	
Toluene	0.0442	0.00100	"	0.0509	ND	86.8	80-120	7.86	20	
Ethylbenzene	0.0539	0.00100	"	0.0509	ND	106	80-120	9.01	20	
Xylene (p/m)	0.100	0.00100	"	0.102	ND	98.0	80-120	8.78	20	
Xylene (o)	0.0548	0.00100	"	0.0509	ND	108	80-120	7.14	20	
Surrogate: a,a,a-Trifluorotoluene	*36.4*		*ug/kg*	*40.0*		*91.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.7*		*"*	*40.0*		*99.2*	*80-120*			
Batch EI52820 - EPA 5030C (GC)										
Blank (EI52820-BLK1)				Prepared & Analyzed: 09/28/05						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*39.2*		*ug/kg*	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.6*		*"*	*40.0*		*106*	*80-120*			
LCS (EI52820-BS1)				Prepared & Analyzed: 09/28/05						
Benzene	42.5		ug/kg	50.0		85.0	80-120			
Toluene	42.3		"	50.0		84.6	80-120			
Ethylbenzene	50.6		"	50.0		101	80-120			
Xylene (p/m)	93.8		"	100		93.8	80-120			
Xylene (o)	51.2		"	50.0		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.2*		*"*	*40.0*		*85.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.4*		*"*	*40.0*		*96.0*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52820 - EPA 5030C (GC)										
Calibration Check (EI52820-CCV1)				Prepared: 09/28/05 Analyzed: 09/29/05						
Benzene	40.3		ug/kg	50.0		80.6	80-120			
Toluene	40.0		"	50.0		80.0	80-120			
Ethylbenzene	47.1		"	50.0		94.2	80-120			
Xylene (p/m)	88.3		"	100		88.3	80-120			
Xylene (o)	51.7		"	50.0		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.0*		"	*40.0*		*85.0*	*0-200*			
Surrogate: 4-Bromofluorobenzene	*40.9*		"	*40.0*		*102*	*0-200*			
Matrix Spike (EI52820-MS1)		**Source: 5I27013-01**		Prepared: 09/28/05 Analyzed: 09/29/05						
Benzene	0.0470	0.00100	mg/kg dry	0.0508	ND	92.5	80-120			
Toluene	0.0465	0.00100	"	0.0508	ND	91.5	80-120			
Ethylbenzene	0.0573	0.00100	"	0.0508	ND	113	80-120			
Xylene (p/m)	0.106	0.00100	"	0.102	ND	104	80-120			
Xylene (o)	0.0550	0.00100	"	0.0508	ND	108	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.9*		*ug/kg*	*40.0*		*94.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.5*		"	*40.0*		*119*	*80-120*			
Matrix Spike Dup (EI52820-MSD1)		**Source: 5I27013-01**		Prepared: 09/28/05 Analyzed: 09/29/05						
Benzene	0.0409	0.00100	mg/kg dry	0.0508	ND	80.5	80-120	13.9	20	
Toluene	0.0410	0.00100	"	0.0508	ND	80.7	80-120	12.5	20	
Ethylbenzene	0.0470	0.00100	"	0.0508	ND	92.5	80-120	20.0	20	
Xylene (p/m)	0.0871	0.00100	"	0.102	ND	85.4	80-120	19.6	20	
Xylene (o)	0.0496	0.00100	"	0.0508	ND	97.6	80-120	10.1	20	
Surrogate: a,a,a-Trifluorotoluene	*32.2*		*ug/kg*	*40.0*		*80.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.9*		"	*40.0*		*99.8*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52805 - General Preparation (Prep)										
Blank (EI52805-BLK1)				Prepared & Analyzed: 09/28/05						
% Solids	100		%							
Duplicate (EI52805-DUP1)	**Source: 5I26007-01**			Prepared & Analyzed: 09/28/05						
% Solids	99.7		%		99.7			0.00	20	
Duplicate (EI52805-DUP2)	**Source: 5I23015-03**			Prepared & Analyzed: 09/28/05						
% Solids	89.1		%		87.3			2.04	20	
Duplicate (EI52805-DUP3)	**Source: 5I27006-01**			Prepared & Analyzed: 09/28/05						
% Solids	98.0		%		98.2			0.204	20	
Duplicate (EI52805-DUP5)	**Source: 5I27012-03**			Prepared & Analyzed: 09/28/05						
% Solids	90.8		%		90.4			0.442	20	
Duplicate (EI52805-DUP6)	**Source: 5I27013-09**			Prepared & Analyzed: 09/28/05						
% Solids	92.1		%		92.5			0.433	20	
Batch EI52902 - Water Extraction										
Blank (EI52902-BLK1)				Prepared: 09/28/05 Analyzed: 09/29/05						
Chloride	ND	0.500	mg/kg							
Blank (EI52902-BLK2)				Prepared: 09/28/05 Analyzed: 09/29/05						
Chloride	ND	0.500	mg/kg							
LCS (EI52902-BS1)				Prepared: 09/28/05 Analyzed: 09/29/05						
Chloride	8.18		mg/L	10.0		81.8	80-120			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI52902 - Water Extraction										
LCS (EI52902-BS2)				Prepared: 09/28/05 Analyzed: 09/29/05						
Chloride	8.69		mg/L	10.0		86.9	80-120			
Calibration Check (EI52902-CCV1)				Prepared: 09/28/05 Analyzed: 09/29/05						
Chloride	8.47		mg/L	10.0		84.7	80-120			
Calibration Check (EI52902-CCV2)				Prepared: 09/28/05 Analyzed: 09/29/05						
Chloride	8.61		mg/L	10.0		86.1	80-120			
Duplicate (EI52902-DUP1)		**Source: 5I24001-03**		Prepared: 09/28/05 Analyzed: 09/29/05						
Chloride	6860	100	mg/kg		7100			3.44	20	
Duplicate (EI52902-DUP2)		**Source: 5I27012-03**		Prepared: 09/28/05 Analyzed: 09/29/05						
Chloride	87.2	5.00	mg/kg		86.8			0.460	20	

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte *NOT DETECTED at or above the reporting limit*
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 10/3/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVCS
Company Address: P. O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124
Fax No: (505) 396-1429
Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION SOUTH STATION
Project #: EMS: 2005-00137
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

Analyze For: TCLP: / TOTAL: (X under BTEX)

LAB # (lab use only) 512701	FIELD CODE	Date Sampled (2005)	Time Sampled	No. of Containers	Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	CHLORIDES (300.1)		RUSH TAT (Pre-Schedule)	Standard TAT
-01	RW-1 5'	19 SEP	1112	1	X									X		X							X							X
-02	RW-1 15'	↓	1120	↓	↓									↓		↓							↓							↓
-03	RW-1 25'	↓	1130	↓	↓									↓		↓							↓				X			↓
-04	RW-1 35'	↓	1154	↓	↓									↓		↓							↓							↓
-05	RW-1 45'	↓	1200	↓	↓									↓		↓							↓							↓
-06	RW-1 55'	↓	1223	↓	↓									↓		↓							↓							↓

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	27SEP05	0837	[signature]	9/27/05	8:38
Relinquished by: [signature]	9/27/05	12:20	Received by ELOT: [signature]	9/27/05	12:20

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments:
Rec -0.5°C

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Plains P/L

Date/Time: 09-27-05 @ 1220

Order #: 5I27011

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	-0.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	(Yes)	No	Not present
Custody Seals intact on sample bottles?	(Yes)	No	Not present
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: 34 Junction South Station

Project Number: 2005-00138

Location: Lea County, NM

Lab Order Number: 5J23004

Report Date: 10/31/05

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1 5'	5J23004-01	Soil	10/17/05 10:15	10/21/05 16:40
MW-1 15'	5J23004-02	Soil	10/17/05 10:25	10/21/05 16:40
MW-1 25'	5J23004-03	Soil	10/17/05 10:37	10/21/05 16:40
MW-1 35'	5J23004-04	Soil	10/17/05 10:44	10/21/05 16:40
MW-1 45'	5J23004-05	Soil	10/17/05 10:56	10/21/05 16:40
MW-1 55'	5J23004-06	Soil	10/17/05 11:02	10/21/05 16:40
MW-2 5'	5J23004-07	Soil	10/17/05 13:58	10/21/05 16:40
MW-2 15'	5J23004-08	Soil	10/17/05 14:03	10/21/05 16:40
MW-2 25'	5J23004-09	Soil	10/17/05 14:12	10/21/05 16:40
MW-2 35'	5J23004-10	Soil	10/17/05 14:30	10/21/05 16:40
MW-2 45'	5J23004-11	Soil	10/17/05 14:53	10/21/05 16:40
MW-2 55'	5J23004-12	Soil	10/17/05 15:03	10/21/05 16:40
MW-3 5'	5J23004-13	Soil	10/18/05 15:41	10/21/05 16:40
MW-3 15'	5J23004-14	Soil	10/18/05 15:48	10/21/05 16:40
MW-3 25'	5J23004-15	Soil	10/18/05 15:58	10/21/05 16:40
MW-3 35'	5J23004-16	Soil	10/18/05 16:16	10/21/05 16:40
MW-3 45'	5J23004-17	Soil	10/18/05 16:31	10/21/05 16:40
MW-3 55'	5J23004-18	Soil	10/18/05 16:41	10/21/05 16:40
MW-3 60'	5J23004-19	Soil	10/18/05 16:53	10/21/05 16:40
MW-4 5'	5J23004-20	Soil	10/18/05 11:12	10/21/05 16:40
MW-4 15'	5J23004-21	Soil	10/18/05 11:21	10/21/05 16:40
MW-4 25'	5J23004-22	Soil	10/18/05 11:32	10/21/05 16:40
MW-4 35'	5J23004-23	Soil	10/18/05 11:54	10/21/05 16:40
MW-4 45'	5J23004-24	Soil	10/18/05 12:08	10/21/05 16:40
MW-4 55'	5J23004-25	Soil	10/18/05 12:27	10/21/05 16:40
MW-5 5'	5J23004-26	Soil	10/18/05 08:36	10/21/05 16:40
MW-5 15'	5J23004-27	Soil	10/18/05 08:55	10/21/05 16:40
MW-5 25'	5J23004-28	Soil	10/18/05 09:06	10/21/05 16:40
MW-5 35'	5J23004-29	Soil	10/18/05 09:12	10/21/05 16:40
MW-5 45'	5J23004-30	Soil	10/18/05 09:21	10/21/05 16:40
MW-5 55'	5J23004-31	Soil	10/18/05 09:29	10/21/05 16:40

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 5' (5J23004-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*112 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.8 %*	*70-130*		"	"	"	"	
MW-1 15' (5J23004-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*86.4 %*	*70-130*		"	"	"	"	
MW-1 25' (5J23004-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/24/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 25' (5J23004-03) Soil									
Surrogate: 1-Chlorooctane		*88.4 %*	*70-130*		*EJ52404*	*10/24/05*	*10/25/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*96.6 %*	*70-130*		"	"	"	"	
MW-1 35' (5J23004-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/24/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.0 %*	*70-130*		"	"	"	"	
MW-1 45' (5J23004-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/24/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*94.2 %*	*70-130*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 55' (5J23004-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/24/05	EPA 8021B	
Toluene	**J [0.0203]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*122 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	
MW-2 5' (5J23004-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/24/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*94.8 %*	*70-130*		"	"	"	"	
MW-2 15' (5J23004-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 15' (5J23004-08) Soil									
Surrogate: 1-Chlorooctane		*84.2 %*	*70-130*		*EJ52404*	*10/24/05*	*10/25/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*84.6 %*	*70-130*		"	"	"	"	
MW-2 25' (5J23004-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*88.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.0 %*	*70-130*		"	"	"	"	
MW-2 35' (5J23004-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.6 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 45' (5J23004-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*84.4 %*	*70-130*		"	"	"	"	
MW-2 55' (5J23004-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.6 %*	*70-130*		"	"	"	"	
MW-3 5' (5J23004-13) Soil									
Benzene	**J [0.00952]**	0.0250	mg/kg dry	25	EJ52109	10/24/05	10/25/05	EPA 8021B	J
Toluene	**0.0822**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0801**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.209**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0990**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*106 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**311**	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**1490**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1800**	10.0	"	"	"	"	"	"	

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1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 5' (5J23004-13) Soil									
Surrogate: 1-Chlorooctane		*95.8 %*	*70-130*		*EJ52404*	*10/24/05*	*10/25/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	
MW-3 15' (5J23004-14) Soil									
Benzene	**0.242**	0.200	mg/kg dry	200	EJ52109	10/24/05	10/25/05	EPA 8021B	
Toluene	**1.95**	0.200	"	"	"	"	"	"	
Ethylbenzene	**2.19**	0.200	"	"	"	"	"	"	
Xylene (p/m)	**7.33**	0.200	"	"	"	"	"	"	
Xylene (o)	**2.77**	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*138 %*	*80-120*		"	"	"	"	*S-04*
Gasoline Range Organics C6-C12	**2300**	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**6770**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**9070**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*155 %*	*70-130*		"	"	"	"	*S-04*
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	
MW-3 25' (5J23004-15) Soil									
Benzene	**0.325**	0.200	mg/kg dry	200	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	**3.46**	0.200	"	"	"	"	"	"	
Ethylbenzene	**4.52**	0.200	"	"	"	"	"	"	
Xylene (p/m)	**13.5**	0.200	"	"	"	"	"	"	
Xylene (o)	**5.53**	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*109 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**2710**	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**7280**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**9990**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*174 %*	*70-130*		"	"	"	"	*S-04*
Surrogate: 1-Chlorooctadecane		*114 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 35' (5J23004-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	**0.0606**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.113**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.381**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.147**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**482**	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**3030**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3510**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*122 %*	*70-130*		"	"	"	"	
MW-3 45' (5J23004-17) Soil									
Benzene	**0.0280**	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	**0.299**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.542**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.90**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.764**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*110 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1930**	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**8200**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**10100**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*147 %*	*70-130*		"	"	"	"	*S-04*
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
MW-3 55' (5J23004-18) Soil									
Benzene	**0.0571**	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	**0.742**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.43**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.58**	0.0250	"	"	"	"	"	"	
Xylene (o)	**2.02**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**3340**	50.0	mg/kg dry	5	EJ52404	10/24/05	10/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	**12000**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**15300**	50.0	"	"	"	"	"	"	

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 55' (5J23004-18) Soil									
Surrogate: 1-Chlorooctane		*18.6 %*	*70-130*		*EJ52404*	*10/24/05*	*10/26/05*	*EPA 8015M*	*S-06*
Surrogate: 1-Chlorooctadecane		*23.4 %*	*70-130*		"	"	"	"	*S-06*
MW-3 60' (5J23004-19) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	**0.0522**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0853**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.276**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0966**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**485**	10.0	mg/kg dry	1	EJ52404	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**4090**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**4580**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*125 %*	*70-130*		"	"	"	"	
MW-4 5' (5J23004-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52404	10/24/05	10/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*127 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 15' (5J23004-21) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52405	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*74.0 %*	*70-130*		"	"	"	"	
MW-4 25' (5J23004-22) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52405	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.4 %*	*70-130*		"	"	"	"	
MW-4 35' (5J23004-23) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52405	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 35' (5J23004-23) Soil									
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		*EJ52405*	*10/24/05*	*10/25/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
MW-4 45' (5J23004-24) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52405	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	
MW-4 55' (5J23004-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52405	10/24/05	10/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*84.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*82.8 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 5' (5J23004-26) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52406	10/24/05	10/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.4 %*	*70-130*		"	"	"	"	
MW-5 15' (5J23004-27) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52406	10/24/05	10/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*124 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*127 %*	*70-130*		"	"	"	"	
MW-5 25' (5J23004-28) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52406	10/24/05	10/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 25' (5J23004-28) Soil									
Surrogate: 1-Chlorooctane		*90.2 %*	*70-130*		*EJ52406*	*10/24/05*	*10/26/05*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*92.6 %*	*70-130*		"	"	"	"	
MW-5 35' (5J23004-29) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52406	10/24/05	10/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*93.8 %*	*70-130*		"	"	"	"	
MW-5 45' (5J23004-30) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52406	10/24/05	10/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*84.4 %*	*70-130*		"	"	"	"	

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1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 55' (5J23004-31) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EJ52502	10/25/05	10/25/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ52406	10/24/05	10/26/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*89.0 %*	*70-130*		"	"	"	"	

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 5' (5J23004-01) Soil									
% Moisture	**5.7**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-1 15' (5J23004-02) Soil									
% Moisture	**4.2**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-1 25' (5J23004-03) Soil									
% Moisture	**2.1**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-1 35' (5J23004-04) Soil									
% Moisture	**3.6**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-1 45' (5J23004-05) Soil									
% Moisture	**3.8**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-1 55' (5J23004-06) Soil									
% Moisture	**4.9**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-2 5' (5J23004-07) Soil									
% Moisture	**3.2**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-2 15' (5J23004-08) Soil									
% Moisture	**3.6**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-2 25' (5J23004-09) Soil									
% Moisture	**2.0**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-2 35' (5J23004-10) Soil									
% Moisture	**0.9**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-2 45' (5J23004-11) Soil									
% Moisture	**2.3**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 55' (5J23004-12) Soil									
% Moisture	**2.8**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-3 5' (5J23004-13) Soil									
% Moisture	**6.0**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-3 15' (5J23004-14) Soil									
% Moisture	**7.1**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-3 25' (5J23004-15) Soil									
% Moisture	**5.5**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-3 35' (5J23004-16) Soil									
% Moisture	**3.5**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-3 45' (5J23004-17) Soil									
% Moisture	**4.6**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-3 55' (5J23004-18) Soil									
% Moisture	**7.8**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-3 60' (5J23004-19) Soil									
% Moisture	**11.4**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-4 5' (5J23004-20) Soil									
% Moisture	**5.7**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-4 15' (5J23004-21) Soil									
% Moisture	**5.6**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-4 25' (5J23004-22) Soil									
% Moisture	**3.1**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	

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1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 35' (5J23004-23) Soil									
% Moisture	**2.1**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-4 45' (5J23004-24) Soil									
% Moisture	**4.1**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-4 55' (5J23004-25) Soil									
% Moisture	**4.6**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-5 5' (5J23004-26) Soil									
% Moisture	**6.7**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-5 15' (5J23004-27) Soil									
% Moisture	**3.5**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-5 25' (5J23004-28) Soil									
% Moisture	**5.2**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-5 35' (5J23004-29) Soil									
% Moisture	**3.8**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-5 45' (5J23004-30) Soil									
% Moisture	**5.0**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	
MW-5 55' (5J23004-31) Soil									
% Moisture	**4.1**	0.1	%	1	EJ52503	10/24/05	10/25/05	% calculation	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52109 - EPA 5030C (GC)										
Blank (EJ52109-BLK1)				Prepared & Analyzed: 10/21/05						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*34.4*		*ug/kg*	*40.0*		*86.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.9*		"	*40.0*		*89.8*	*80-120*			
LCS (EJ52109-BS1)				Prepared: 10/21/05 Analyzed: 10/24/05						
Benzene	0.0546	0.00100	mg/kg wet	0.0500		109	80-120			
Toluene	0.0536	0.00100	"	0.0500		107	80-120			
Ethylbenzene	0.0594	0.00100	"	0.0500		119	80-120			
Xylene (p/m)	0.116	0.00100	"	0.100		116	80-120			
Xylene (o)	0.0576	0.00100	"	0.0500		115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.5*		*ug/kg*	*40.0*		*91.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.5*		"	*40.0*		*109*	*80-120*			
Calibration Check (EJ52109-CCV1)				Prepared: 10/21/05 Analyzed: 10/25/05						
Benzene	53.0		ug/kg	50.0		106	80-120			
Toluene	52.2		"	50.0		104	80-120			
Ethylbenzene	57.1		"	50.0		114	80-120			
Xylene (p/m)	108		"	100		108	80-120			
Xylene (o)	57.9		"	50.0		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.8*		"	*40.0*		*94.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.4*		"	*40.0*		*101*	*80-120*			
Matrix Spike (EJ52109-MS1)	**Source: 5J23004-13**			Prepared: 10/21/05 Analyzed: 10/25/05						
Benzene	1.43	0.0250	mg/kg dry	1.33	0.00952	107	80-120			
Toluene	1.46	0.0250	"	1.33	0.0822	104	80-120			
Ethylbenzene	1.67	0.0250	"	1.33	0.0801	120	80-120			
Xylene (p/m)	3.39	0.0250	"	2.66	0.209	120	80-120			
Xylene (o)	1.57	0.0250	"	1.33	0.0990	111	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.7*		*ug/kg*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.8*		"	*40.0*		*94.5*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52109 - EPA 5030C (GC)										
Matrix Spike Dup (EJ52109-MSD1)	**Source: 5J23004-13**			Prepared: 10/21/05 Analyzed: 10/25/05						
Benzene	1.36	0.0250	mg/kg dry	1.33	0.00952	102	80-120	4.78	20	
Toluene	1.40	0.0250	"	1.33	0.0822	99.1	80-120	4.83	20	
Ethylbenzene	1.66	0.0250	"	1.33	0.0801	119	80-120	0.837	20	
Xylene (p/m)	3.40	0.0250	"	2.66	0.209	120	80-120	0.00	20	
Xylene (o)	1.64	0.0250	"	1.33	0.0990	116	80-120	4.41	20	
Surrogate: a,a,a-Trifluorotoluene	*40.7*		*ug/kg*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.2*		*"*	*40.0*		*100*	*80-120*			
Batch EJ52404 - Solvent Extraction (GC)										
Blank (EJ52404-BLK1)				Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*48.8*		*mg/kg*	*50.0*		*97.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.4*		*"*	*50.0*		*115*	*70-130*			
LCS (EJ52404-BS1)				Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	476	10.0	mg/kg wet	500		95.2	75-125			
Diesel Range Organics >C12-C35	450	10.0	"	500		90.0	75-125			
Total Hydrocarbon C6-C35	926	10.0	"	1000		92.6	75-125			
Surrogate: 1-Chlorooctane	*56.0*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.8*		*"*	*50.0*		*124*	*70-130*			
Calibration Check (EJ52404-CCV1)				Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	454		mg/kg	500		90.8	80-120			
Diesel Range Organics >C12-C35	426		"	500		85.2	80-120			
Total Hydrocarbon C6-C35	880		"	1000		88.0	80-120			
Surrogate: 1-Chlorooctane	*52.8*		*"*	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.2*		*"*	*50.0*		*112*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52404 - Solvent Extraction (GC)										
Matrix Spike (EJ52404-MS1)	**Source: 5J23004-01**			Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	520	10.0	mg/kg dry	530	ND	98.1	75-125			
Diesel Range Organics >C12-C35	439	10.0	"	530	ND	82.8	75-125			
Total Hydrocarbon C6-C35	959	10.0	"	1060	ND	90.5	75-125			
Surrogate: 1-Chlorooctane	*52.7*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.2*		*"*	*50.0*		*112*	*70-130*			
Matrix Spike Dup (EJ52404-MSD1)	**Source: 5J23004-01**			Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	466	10.0	mg/kg dry	530	ND	87.9	75-125	11.0	20	
Diesel Range Organics >C12-C35	429	10.0	"	530	ND	80.9	75-125	2.30	20	
Total Hydrocarbon C6-C35	895	10.0	"	1060	ND	84.4	75-125	6.90	20	
Surrogate: 1-Chlorooctane	*50.6*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.1*		*"*	*50.0*		*112*	*70-130*			
Batch EJ52405 - Solvent Extraction (GC)										
Blank (EJ52405-BLK1)				Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*45.6*		*mg/kg*	*50.0*		*91.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.0*		*"*	*50.0*		*128*	*70-130*			
LCS (EJ52405-BS1)				Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	450	10.0	mg/kg wet	500		90.0	75-125			
Diesel Range Organics >C12-C35	442	10.0	"	500		88.4	75-125			
Total Hydrocarbon C6-C35	892	10.0	"	1000		89.2	75-125			
Surrogate: 1-Chlorooctane	*51.9*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.1*		*"*	*50.0*		*116*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52405 - Solvent Extraction (GC)										
Calibration Check (EJ52405-CCV1)				Prepared: 10/24/05 Analyzed: 10/26/05						
Gasoline Range Organics C6-C12	453		mg/kg	500		90.6	80-120			
Diesel Range Organics >C12-C35	568		"	500		114	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	*47.4*		"	*50.0*		*94.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.3*		"	*50.0*		*121*	*70-130*			
Matrix Spike (EJ52405-MS1)	**Source: 5J23004-21**			Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	462	10.0	mg/kg dry	530	ND	87.2	75-125			
Diesel Range Organics >C12-C35	428	10.0	"	530	ND	80.8	75-125			
Total Hydrocarbon C6-C35	890	10.0	"	1060	ND	84.0	75-125			
Surrogate: 1-Chlorooctane	*52.7*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.2*		"	*50.0*		*110*	*70-130*			
Matrix Spike Dup (EJ52405-MSD1)	**Source: 5J23004-21**			Prepared: 10/24/05 Analyzed: 10/25/05						
Gasoline Range Organics C6-C12	478	10.0	mg/kg dry	530	ND	90.2	75-125	3.40	20	
Diesel Range Organics >C12-C35	451	10.0	"	530	ND	85.1	75-125	5.23	20	
Total Hydrocarbon C6-C35	929	10.0	"	1060	ND	87.6	75-125	4.29	20	
Surrogate: 1-Chlorooctane	*54.2*		*mg/kg*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.6*		"	*50.0*		*113*	*70-130*			
Batch EJ52406 - Solvent Extraction (GC)										
Blank (EJ52406-BLK1)				Prepared: 10/24/05 Analyzed: 10/26/05						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*46.9*		*mg/kg*	*50.0*		*93.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.7*		"	*50.0*		*99.4*	*70-130*			

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52406 - Solvent Extraction (GC)										
LCS (EJ52406-BS1)				Prepared: 10/24/05 Analyzed: 10/26/05						
Gasoline Range Organics C6-C12	467	10.0	mg/kg wet	500		93.4	75-125			
Diesel Range Organics >C12-C35	435	10.0	"	500		87.0	75-125			
Total Hydrocarbon C6-C35	902	10.0	"	1000		90.2	75-125			
Surrogate: 1-Chlorooctane	*56.2*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.3*		*"*	*50.0*		*119*	*70-130*			
Calibration Check (EJ52406-CCV1)				Prepared: 10/24/05 Analyzed: 10/26/05						
Gasoline Range Organics C6-C12	501		mg/kg	500		100	80-120			
Diesel Range Organics >C12-C35	459		"	500		91.8	80-120			
Total Hydrocarbon C6-C35	960		"	1000		96.0	80-120			
Surrogate: 1-Chlorooctane	*49.4*		*"*	*50.0*		*98.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.6*		*"*	*50.0*		*111*	*70-130*			
Matrix Spike (EJ52406-MS1)	**Source: 5J23004-26**			Prepared: 10/24/05 Analyzed: 10/26/05						
Gasoline Range Organics C6-C12	450	10.0	mg/kg dry	536	ND	84.0	75-125			
Diesel Range Organics >C12-C35	422	10.0	"	536	ND	78.7	75-125			
Total Hydrocarbon C6-C35	872	10.0	"	1070	ND	81.5	75-125			
Surrogate: 1-Chlorooctane	*52.7*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.8*		*"*	*50.0*		*112*	*70-130*			
Matrix Spike Dup (EJ52406-MSD1)	**Source: 5J23004-26**			Prepared: 10/24/05 Analyzed: 10/26/05						
Gasoline Range Organics C6-C12	462	10.0	mg/kg dry	536	ND	86.2	75-125	2.63	20	
Diesel Range Organics >C12-C35	435	10.0	"	536	ND	81.2	75-125	3.03	20	
Total Hydrocarbon C6-C35	897	10.0	"	1070	ND	83.8	75-125	2.83	20	
Surrogate: 1-Chlorooctane	*53.0*		*mg/kg*	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.1*		*"*	*50.0*		*112*	*70-130*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52502 - EPA 5030C (GC)										
Blank (EJ52502-BLK1)				Prepared & Analyzed: 10/25/05						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*39.9*		*ug/kg*	*40.0*		*99.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.1*		*"*	*40.0*		*97.8*	*80-120*			
LCS (EJ52502-BS1)				Prepared & Analyzed: 10/25/05						
Benzene	0.0540	0.00100	mg/kg wet	0.0500		108	80-120			
Toluene	0.0551	0.00100	"	0.0500		110	80-120			
Ethylbenzene	0.0594	0.00100	"	0.0500		119	80-120			
Xylene (p/m)	0.120	0.00100	"	0.100		120	80-120			
Xylene (o)	0.0570	0.00100	"	0.0500		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.1*		*ug/kg*	*40.0*		*95.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.8*		*"*	*40.0*		*114*	*80-120*			
Calibration Check (EJ52502-CCV1)				Prepared & Analyzed: 10/25/05						
Benzene	55.4		ug/kg	50.0		111	80-120			
Toluene	54.4		"	50.0		109	80-120			
Ethylbenzene	58.4		"	50.0		117	80-120			
Xylene (p/m)	114		"	100		114	80-120			
Xylene (o)	58.4		"	50.0		117	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.1*		*"*	*40.0*		*97.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.8*		*"*	*40.0*		*107*	*80-120*			
Matrix Spike (EJ52502-MS1)	**Source: 5J23004-20**			Prepared & Analyzed: 10/25/05						
Benzene	0.0563	0.00100	mg/kg dry	0.0530	ND	106	80-120			
Toluene	0.0569	0.00100	"	0.0530	ND	107	80-120			
Ethylbenzene	0.0624	0.00100	"	0.0530	ND	118	80-120			
Xylene (p/m)	0.118	0.00100	"	0.106	ND	111	80-120			
Xylene (o)	0.0612	0.00100	"	0.0530	ND	115	80-120			
Surrogate: a,a,a-Trifluorotoluene	*38.7*		*ug/kg*	*40.0*		*96.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.3*		*"*	*40.0*		*103*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52502 - EPA 5030C (GC)										
Matrix Spike Dup (EJ52502-MSD1)	**Source: 5J23004-20**			Prepared & Analyzed: 10/25/05						
Benzene	0.0623	0.00100	mg/kg dry	0.0530	ND	118	80-120	10.7	20	
Toluene	0.0635	0.00100	"	0.0530	ND	120	80-120	11.5	20	
Ethylbenzene	0.0635	0.00100	"	0.0530	ND	120	80-120	1.68	20	
Xylene (p/m)	0.127	0.00100	"	0.106	ND	120	80-120	7.79	20	
Xylene (o)	0.0618	0.00100	"	0.0530	ND	117	80-120	1.72	20	
Surrogate: a,a,a-Trifluorotoluene	*42.2*		*ug/kg*	*40.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.2*		*"*	*40.0*		*118*	*80-120*			

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	10/31/05 10:44

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52503 - General Preparation (Prep)										
Blank (EJ52503-BLK1)				Prepared: 10/24/05 Analyzed: 10/25/05						
% Solids	100		%							
Duplicate (EJ52503-DUP1)		**Source: 5J21011-01**		Prepared: 10/24/05 Analyzed: 10/25/05						
% Solids	94.3		%		93.8			0.532	20	
Duplicate (EJ52503-DUP2)		**Source: 5J23004-15**		Prepared: 10/24/05 Analyzed: 10/25/05						
% Solids	94.6		%		94.5			0.106	20	
Duplicate (EJ52503-DUP3)		**Source: 5J23005-04**		Prepared: 10/24/05 Analyzed: 10/25/05						
% Solids	95.4		%		96.1			0.731	20	

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Notes and Definitions

S-06

S-04

J

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not ReportedDetected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Celey D. Keene Date: 10/31/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVC.
Company Address: P.O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 369-1429
Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION SOUTH STATION
Project #: EMS: 2005-001378
Project Loc: LEA COUNTY, NM
PO #: PAA / C. REYNOLDS

5-23004

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 / 8015M	TCLP: 1005 1006	TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
-01	MW-1 5'	17 OCT 2005	1015	1	X									X		X								X							X
-02	MW-1 15'		1025																												
-03	MW-1 25'		1037																												
-04	MW-1 35'		1044																												
-05	MW-1 45'		1056																												
-06	MW-1 55'		1102																												
-07	MW-2 5'		1358																												
-08	MW-2 15'		1403																												
-09	MW-2 25'		1412																												
-10	MW-2 35'		1430																												

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 3.0
Laboratory Comments: 402 Seals / labels

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	21 OCT 05	1640			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carrie Kelly	10/21/05	16:40

2004

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVC
Company Address: P. O. BOX 301
City/State/Zip: LOVINGTON NM, 88260
Telephone No: (505) 441-2124 Fax No: (505) 369-1429
Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION SOUTH STATION
Project #: EMS: 2005-00137
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

552384

LAB # (lab use only)	FIELD CODE	Date Sampled (2005)	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 / 8015M / 1005 / 1006	TOTAL: Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
-11	MW-2 45'	17 OCT	1453	1	X									X		X						X							X
-12	MW-2 55'	17 OCT	1503																											
-13	MW-3 5'	18 OCT	1541																											
-14	MW-3 15'		1548																											
-15	MW-3 25'		1558																											
-16	MW-3 35'		1616																											
-17	MW-3 45'		1631																											
-18	MW-3 55'		1641																											
-19	MW-3 100'		1653																											
-20	MW-4 5'		1112																											

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	21 OCT 05	1640			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carla Kelly	10/21/05	16:40

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVC
Company Address: P. O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 369-1429
Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION SOUTH STATION
Project #: EMS: 2005-00137
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

LAB # (lab use only): 523004

LAB #	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 (8015M) 1005 1006	TOTAL: TPH: 418.1 (8015M) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
-21	MW-4 15'	18 OCT	1121	1	X									X		X								X					X
-22	MW-4 25'		1132																										
-23	MW-4 35'		1154																										
-24	MW-4 45'		1208																										
-25	MW-4 55'		1227																										
-26	MW-5 5'		0836																										
-27	MW-5 15'		0855																										
-28	MW-5 25'		0906																										
-29	MW-5 35'		0912																										
-30	MW-5 45'		0921																										

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	21 OCT 05	1640			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carrie Kelley	10/21/05	16:40

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVC
Company Address: ~~Lot~~ P.O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 391-2124 Fax No: (505) 369-1429
Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION SOUTH STATION
Project #: EMS: 2005-00137
Project Loc: LEA COUNTY NM
PO #: PAD/C. REYNOLDS'

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: TCLP: TPH: 418.1 / 8015M	Analyze For: TOTAL: TPH: 418.1 / 8015M	Analyze For: TOTAL: 1005 1006	Analyze For: TOTAL: Cations (Ca, Mg, Na, K)	Analyze For: TOTAL: Anions (Cl, SO4, CO3, HCO3)	Analyze For: TOTAL: SAR / ESP / CEC	Analyze For: TOTAL: Metals: As Ag Ba Cd Cr Pb Hg Se	Analyze For: TOTAL: Volatiles	Analyze For: TOTAL: Semivolatiles	Analyze For: TOTAL: BTEX 8021B/5030	Analyze For: TOTAL: RCI	Analyze For: TOTAL: N.O.R.M.	Analyze For: TOTAL: Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
5523004		2005																												
31	MW-5 55'	18 OCT	0929	1	X									X		X								X					X	

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	21 OCT 05	1640			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carrie Kelly	10/21/05	16:40

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Plains

Date/Time: 10/21/05 16:40

Order #: 5523004

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.6 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: 34 Junction South Station

Project Number: 2005-00138

Location: Lea County, NM

Lab Order Number: 5J27012

Report Date: 11/03/05

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	11/03/05 17:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5J27012-01	Water	10/25/05 10:20	10/27/05 13:22
MW-2	5J27012-02	Water	10/25/05 11:10	10/27/05 13:22
MW-5	5J27012-03	Water	10/25/05 12:15	10/27/05 13:22
MW-4	5J27012-04	Water	10/25/05 15:00	10/27/05 13:22

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5J27012-01) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.5 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*		*80-120*		"	"	"	
MW-2 (5J27012-02) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*99.8 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*		*80-120*		"	"	"	
MW-5 (5J27012-03) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.2 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*		*80-120*		"	"	"	
MW-4 (5J27012-04) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/01/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.0 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.5 %*		*80-120*		"	"	"	

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	11/03/05 17:00

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52806 - EPA 5030C (GC)										
Blank (EJ52806-BLK1)				Prepared: 10/28/05 Analyzed: 11/01/05						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*40.1*		*ug/l*	*40.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.7*		*"*	*40.0*		*81.8*	*80-120*			
LCS (EJ52806-BS1)				Prepared: 10/28/05 Analyzed: 10/31/05						
Benzene	0.0476	0.00100	mg/L	0.0500		95.2	80-120			
Toluene	0.0495	0.00100	"	0.0500		99.0	80-120			
Ethylbenzene	0.0472	0.00100	"	0.0500		94.4	80-120			
Xylene (p/m)	0.0894	0.00100	"	0.100		89.4	80-120			
Xylene (o)	0.0479	0.00100	"	0.0500		95.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*32.9*		*ug/l*	*40.0*		*82.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.7*		*"*	*40.0*		*81.8*	*80-120*			
Calibration Check (EJ52806-CCV1)				Prepared: 10/28/05 Analyzed: 11/01/05						
Benzene	50.4		ug/l	50.0		101	80-120			
Toluene	51.8		"	50.0		104	80-120			
Ethylbenzene	49.3		"	50.0		98.6	80-120			
Xylene (p/m)	92.9		"	100		92.9	80-120			
Xylene (o)	50.0		"	50.0		100	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.8*		*"*	*40.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.3*		*"*	*40.0*		*106*	*80-120*			
Matrix Spike (EJ52806-MS1)	**Source: 5J27012-03**			Prepared: 10/28/05 Analyzed: 11/01/05						
Benzene	0.0496	0.00100	mg/L	0.0500	ND	99.2	80-120			
Toluene	0.0505	0.00100	"	0.0500	ND	101	80-120			
Ethylbenzene	0.0481	0.00100	"	0.0500	ND	96.2	80-120			
Xylene (p/m)	0.0899	0.00100	"	0.100	ND	89.9	80-120			
Xylene (o)	0.0488	0.00100	"	0.0500	ND	97.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.9*		*ug/l*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.4*		*"*	*40.0*		*88.5*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	11/03/05 17:00

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52806 - EPA 5030C (GC)										
Matrix Spike Dup (EJ52806-MSD1)		**Source: 5J27012-03**		Prepared: 10/28/05 Analyzed: 11/01/05						
Benzene	0.0499	0.00100	mg/L	0.0500	ND	99.8	80-120	0.603	20	
Toluene	0.0514	0.00100	"	0.0500	ND	103	80-120	1.96	20	
Ethylbenzene	0.0493	0.00100	"	0.0500	ND	98.6	80-120	2.46	20	
Xylene (p/m)	0.0910	0.00100	"	0.100	ND	91.0	80-120	1.22	20	
Xylene (o)	0.0495	0.00100	"	0.0500	ND	99.0	80-120	1.42	20	
Surrogate: a,a,a-Trifluorotoluene	*42.3*		*ug/l*	*40.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.5*		*"*	*40.0*		*88.8*	*80-120*			

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	11/03/05 17:00

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Jeanne McMurrey Date: 11/3/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV SVC
Company Address: P.O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 369-1429
Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION SOUTH STATION
Project #: EMS: 2005-00138
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

LAB # (lab use only): 577012

LAB #	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: TCLP:	Analyze For: TOTAL:	RUSH TAT (Pre-Schedule)	Standard TAT
-01	MW-1	25 OCT 2005	1020	2	X		X					X					X		X
-02	MW-2		1110																
-03	MW-3		1215																
-04	MW-4		1500																

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 2.0
Laboratory Comments: 40ml

Relinquished by	Date	Time	Received by	Date	Time
Ken Dutton	27 OCT 05	1323			
Relinquished by	Date	Time	Received by ELOT	Date	Time
			Cami Kelly	10/27/05	13:22

seals/ label

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Plains

Date/Time: 10/27/05 13:22

Order #: 5J27012

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: -_____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

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_____

_____

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_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: 34 Junction South Station

Project Number: 2005-00138

Location: Lea County, NM

Lab Order Number: 6C03013

Report Date: 03/10/06

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-6 5'	6C03013-01	Soil	02/28/06 10:34	03/03/06 15:25
MW-6 15'	6C03013-02	Soil	02/28/06 10:43	03/03/06 15:25
MW-6 25'	6C03013-03	Soil	02/28/06 10:49	03/03/06 15:25
MW-6 55'	6C03013-04	Soil	02/28/06 11:14	03/03/06 15:25
MW-7 5'	6C03013-05	Soil	02/28/06 13:21	03/03/06 15:25
MW-7 15'	6C03013-06	Soil	02/28/06 13:30	03/03/06 15:25
MW-7 25'	6C03013-07	Soil	02/28/06 13:34	03/03/06 15:25
MW-7 55'	6C03013-08	Soil	02/28/06 13:53	03/03/06 15:25
MW-8 5'	6C03013-09	Soil	03/01/06 08:50	03/03/06 15:25
MW-8 15'	6C03013-10	Soil	03/01/06 08:56	03/03/06 15:25
MW-8 25'	6C03013-11	Soil	03/01/06 09:01	03/03/06 15:25
MW-8 50'	6C03013-12	Soil	03/01/06 09:59	03/03/06 15:25
MW-8 60'	6C03013-13	Soil	03/01/06 10:16	03/03/06 15:25

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 5' (6C03013-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60606	03/06/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	
MW-6 15' (6C03013-02) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60606	03/06/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
MW-6 25' (6C03013-03) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60606	03/06/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*99.4 %*	*70-130*		"	"	"	"	
MW-6 55' (6C03013-04) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60606	03/06/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 5' (6C03013-05) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60606	03/06/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*115 %*	*70-130*		"	"	"	"	
MW-7 15' (6C03013-06) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60708	03/07/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	
MW-7 25' (6C03013-07) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60708	03/07/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*88.8 %*	*70-130*		"	"	"	"	
MW-7 55' (6C03013-08) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60708	03/07/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 5' (6C03013-09) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60708	03/07/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.6 %*	*70-130*		"	"	"	"	
MW-8 15' (6C03013-10) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60708	03/07/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*130 %*	*70-130*		"	"	"	"	
MW-8 25' (6C03013-11) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60708	03/07/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
MW-8 50' (6C03013-12) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60708	03/07/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*99.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 60' (6C03013-13) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EC60708	03/07/06	03/09/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.2 %*		*70-130*		"	"	"	
Surrogate: 1-Chlorooctadecane		*93.4 %*		*70-130*		"	"	"	

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 5' (6C03013-01) Soil									
% Moisture	**3.4**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-6 15' (6C03013-02) Soil									
% Moisture	**1.4**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-6 25' (6C03013-03) Soil									
% Moisture	**1.9**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-6 55' (6C03013-04) Soil									
% Moisture	**5.7**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-7 5' (6C03013-05) Soil									
% Moisture	**7.5**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-7 15' (6C03013-06) Soil									
% Moisture	**2.4**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-7 25' (6C03013-07) Soil									
% Moisture	**2.0**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-7 55' (6C03013-08) Soil									
% Moisture	**8.1**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-8 5' (6C03013-09) Soil									
% Moisture	**3.9**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-8 15' (6C03013-10) Soil									
% Moisture	**6.3**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-8 25' (6C03013-11) Soil									
% Moisture	**3.8**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 50' (6C03013-12) Soil									
% Moisture	**4.8**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	
MW-8 60' (6C03013-13) Soil									
% Moisture	**11.5**	0.1	%	1	EC60702	03/06/06	03/07/06	% calculation	

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 5' (6C03013-01) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/07/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	**ND**	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.4 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*66-145*		"	"	"	"	
MW-6 15' (6C03013-02) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/07/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*89.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*66-145*		"	"	"	"	
MW-6 25' (6C03013-03) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/07/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.6 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.6 %*	*66-145*		"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 55' (6C03013-04) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/07/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.2 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*66-145*		"	"	"	"	
MW-7 5' (6C03013-05) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/08/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	**J [24.2]**	25.0	"	"	"	"	"	"	J
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.4 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.2 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*66-145*		"	"	"	"	
MW-7 15' (6C03013-06) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/07/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*66-145*		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 25' (6C03013-07) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/07/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	**ND**	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*66-145*		"	"	"	"	
MW-7 55' (6C03013-08) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/08/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.8 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.6 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*66-145*		"	"	"	"	
MW-8 5' (6C03013-09) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/08/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.2 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*66-145*		"	"	"	"	

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 15' (6C03013-10) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/08/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.6 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*66-145*		"	"	"	"	
MW-8 25' (6C03013-11) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/08/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.6 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.0 %*	*66-145*		"	"	"	"	
MW-8 50' (6C03013-12) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/08/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.4 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*66-145*		"	"	"	"	

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Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 60' (6C03013-13) Soil									
Benzene	ND	25.0	ug/kg dry	25	EC60803	03/07/06	03/08/06	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*66-145*		"	"	"	"	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC60606 - Solvent Extraction (GC)										
Blank (EC60606-BLK1)				Prepared: 03/06/06 Analyzed: 03/09/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*47.6*		*mg/kg*	*50.0*		*95.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.2*		*"*	*50.0*		*98.4*	*70-130*			
LCS (EC60606-BS1)				Prepared: 03/06/06 Analyzed: 03/08/06						
Carbon Ranges C6-C12	514	10.0	mg/kg wet	500		103	75-125			
Carbon Ranges C12-C28	484	10.0	"	500		96.8	75-125			
Total Hydrocarbon C6-C35	998	10.0	"	1000		99.8	75-125			
Surrogate: 1-Chlorooctane	*50.7*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.6*		*"*	*50.0*		*97.2*	*70-130*			
Calibration Check (EC60606-CCV1)				Prepared: 03/06/06 Analyzed: 03/09/06						
Carbon Ranges C6-C12	237		mg/kg	250		94.8	80-120			
Carbon Ranges C12-C28	265		"	250		106	80-120			
Total Hydrocarbon C6-C35	502		"	500		100	80-120			
Surrogate: 1-Chlorooctane	*52.4*		*"*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.3*		*"*	*50.0*		*107*	*70-130*			
Matrix Spike (EC60606-MS1)	**Source: 6C03006-25**			Prepared: 03/06/06 Analyzed: 03/08/06						
Carbon Ranges C6-C12	572	10.0	mg/kg dry	505	ND	113	75-125			
Carbon Ranges C12-C28	530	10.0	"	505	24.2	100	75-125			
Total Hydrocarbon C6-C35	1100	10.0	"	1010	24.2	107	75-125			
Surrogate: 1-Chlorooctane	*50.4*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.7*		*"*	*50.0*		*97.4*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC60606 - Solvent Extraction (GC)										
Matrix Spike Dup (EC60606-MSD1)	**Source: 6C03006-25**			Prepared: 03/06/06 Analyzed: 03/08/06						
Carbon Ranges C6-C12	578	10.0	mg/kg dry	505	ND	114	75-125	1.04	20	
Carbon Ranges C12-C28	539	10.0	"	505	24.2	102	75-125	1.68	20	
Total Hydrocarbon C6-C35	1120	10.0	"	1010	24.2	108	75-125	1.80	20	
Surrogate: 1-Chlorooctane	*50.9*		*mg/kg*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.3*		*"*	*50.0*		*98.6*	*70-130*			
Batch EC60708 - Solvent Extraction (GC)										
Blank (EC60708-BLK1)				Prepared: 03/07/06 Analyzed: 03/09/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*55.7*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.0*		*"*	*50.0*		*118*	*70-130*			
LCS (EC60708-BS1)				Prepared: 03/07/06 Analyzed: 03/09/06						
Carbon Ranges C6-C12	564	10.0	mg/kg wet	500		113	75-125			
Carbon Ranges C12-C28	575	10.0	"	500		115	75-125			
Total Hydrocarbon C6-C35	1140	10.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	*64.1*		*mg/kg*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.9*		*"*	*50.0*		*130*	*70-130*			
Calibration Check (EC60708-CCV1)				Prepared: 03/07/06 Analyzed: 03/09/06						
Carbon Ranges C6-C12	203		mg/kg	250		81.2	80-120			
Carbon Ranges C12-C28	285		"	250		114	80-120			
Total Hydrocarbon C6-C35	488		"	500		97.6	80-120			
Surrogate: 1-Chlorooctane	*61.5*		*"*	*50.0*		*123*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.0*		*"*	*50.0*		*106*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC60708 - Solvent Extraction (GC)										
Matrix Spike (EC60708-MS1)	**Source: 6C06005-01**			Prepared: 03/07/06 Analyzed: 03/09/06						
Carbon Ranges C6-C12	604	10.0	mg/kg dry	519	ND	116	75-125			
Carbon Ranges C12-C28	586	10.0	"	519	ND	113	75-125			
Total Hydrocarbon C6-C35	1190	10.0	"	1040	ND	114	75-125			
Surrogate: 1-Chlorooctane	*60.4*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.3*		"	*50.0*		*115*	*70-130*			
Matrix Spike Dup (EC60708-MSD1)	**Source: 6C06005-01**			Prepared: 03/07/06 Analyzed: 03/09/06						
Carbon Ranges C6-C12	620	10.0	mg/kg dry	519	ND	119	75-125	2.61	20	
Carbon Ranges C12-C28	600	10.0	"	519	ND	116	75-125	2.36	20	
Total Hydrocarbon C6-C35	1220	10.0	"	1040	ND	117	75-125	2.49	20	
Surrogate: 1-Chlorooctane	*61.2*		*mg/kg*	*50.0*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.6*		"	*50.0*		*115*	*70-130*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC60702 - General Preparation (Prep)										
Blank (EC60702-BLK1)				Prepared: 03/06/06 Analyzed: 03/07/06						
% Solids	100		%							
Duplicate (EC60702-DUP1)	**Source: 6C03006-01**			Prepared: 03/06/06 Analyzed: 03/07/06						
% Solids	95.8		%		95.3			0.523	20	
Duplicate (EC60702-DUP2)	**Source: 6C03006-21**			Prepared: 03/06/06 Analyzed: 03/07/06						
% Solids	97.1		%		97.4			0.308	20	
Duplicate (EC60702-DUP3)	**Source: 6C06005-01**			Prepared: 03/06/06 Analyzed: 03/07/06						
% Solids	95.8		%		96.3			0.521	20	
Duplicate (EC60702-DUP4)	**Source: 6C06009-02**			Prepared: 03/06/06 Analyzed: 03/07/06						
% Solids	97.8		%		97.2			0.615	20	

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC60803 - EPA 5030C (GCMS)										
Blank (EC60803-BLK1)				Prepared: 03/07/06 Analyzed: 03/08/06						
Benzene	ND	25.0	ug/kg wet							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
Xylene (p/m)	ND	25.0	"							
Xylene (o)	ND	25.0	"							
Surrogate: Dibromofluoromethane	*50.1*		*ug/kg*	*50.0*		*100*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*45.2*		*"*	*50.0*		*90.4*	*52-149*			
Surrogate: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*49.3*		*"*	*50.0*		*98.6*	*66-145*			
LCS (EC60803-BS1)				Prepared & Analyzed: 03/07/06						
Benzene	1240	25.0	ug/kg wet	1250		99.2	70-130			
Toluene	1240	25.0	"	1250		99.2	70-130			
Ethylbenzene	1160	25.0	"	1250		92.8	70-130			
Xylene (p/m)	1980	25.0	"	2500		79.2	70-130			
Xylene (o)	1130	25.0	"	1250		90.4	70-130			
Surrogate: Dibromofluoromethane	*51.5*		*ug/kg*	*50.0*		*103*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*51.7*		*"*	*50.0*		*103*	*52-149*			
Surrogate: Toluene-d8	*52.2*		*"*	*50.0*		*104*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*46.6*		*"*	*50.0*		*93.2*	*66-145*			
Calibration Check (EC60803-CCV1)				Prepared & Analyzed: 03/07/06						
Toluene	43.0		ug/kg	50.0		86.0	70-130			
Ethylbenzene	41.9		"	50.0		83.8	70-130			
Surrogate: Dibromofluoromethane	*51.1*		*"*	*50.0*		*102*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*46.2*		*"*	*50.0*		*92.4*	*52-149*			
Surrogate: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*48.0*		*"*	*50.0*		*96.0*	*66-145*			

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	03/10/06 10:34

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC60803 - EPA 5030C (GCMS)										
Matrix Spike (EC60803-MS1)	**Source: 6C03013-05**			Prepared: 03/07/06 Analyzed: 03/08/06						
Benzene	1370	25.0	ug/kg dry	1350	ND	101	70-130			
Toluene	1190	25.0	"	1350	ND	88.1	70-130			
Ethylbenzene	1270	25.0	"	1350	ND	94.1	70-130			
Xylene (p/m)	2650	25.0	"	2700	24.2	97.3	70-130			
Xylene (o)	1590	25.0	"	1350	ND	118	70-130			
Surrogate: Dibromofluoromethane	*48.4*		*ug/kg*	*50.0*		*96.8*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*45.9*		*"*	*50.0*		*91.8*	*52-149*			
Surrogate: Toluene-d8	*44.2*		*"*	*50.0*		*88.4*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*47.0*		*"*	*50.0*		*94.0*	*66-145*			
Matrix Spike Dup (EC60803-MSD1)	**Source: 6C03013-05**			Prepared: 03/07/06 Analyzed: 03/08/06						
Benzene	1370	25.0	ug/kg dry	1350	ND	101	70-130	0.00	20	
Toluene	1340	25.0	"	1350	ND	99.3	70-130	12.0	20	
Ethylbenzene	1280	25.0	"	1350	ND	94.8	70-130	0.741	20	
Xylene (p/m)	2190	25.0	"	2700	24.2	80.2	70-130	19.3	20	
Xylene (o)	1240	25.0	"	1350	ND	91.9	70-130	24.9	20	S-08
Surrogate: Dibromofluoromethane	*48.8*		*ug/kg*	*50.0*		*97.6*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*51.1*		*"*	*50.0*		*102*	*52-149*			
Surrogate: Toluene-d8	*52.7*		*"*	*50.0*		*105*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*47.3*		*"*	*50.0*		*94.6*	*66-145*			

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Notes and Definitions

S-08	Value outside Laboratory historical or method prescribed QC limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K. Tuttle Date: 3/10/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763

Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON

Company Name: BASIN ENV. SVCS.

Company Address: P. O. BOX 3Ø1

City/State/Zip: LOVINGTON, NM 8826Ø

Telephone No: (5Ø5) 441-2124

Fax No: (5Ø5) 396-1429

Sampler Signature: [signature]

Project Name: 34 JUNCTION SOUTH STATION

Project #: EMS: 2ØØ5-ØØ138

Project Loc: LEA COUNTY, NM

PO #: PAA/C. REYNOLDS

Analyze For: TCLP: / TOTAL: (X under BTEX 8021B/5030)

LAB # (lab use only) 6Ø3Ø13	FIELD CODE	Date Sampled 2ØØ6	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	TPH: 418.1 (8015M) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma				RUSH TAT (Pre-Schedule)	Standard TAT
-01	MW-6 5'	28FEB	1Ø34	1	X									X		X							X								X
-02	MW-6 15'		1Ø43																												
-03	MW-6 25'		1Ø49																												
-04	MW-6 55'		1114																												
-05	MW-7 5'		1321																												
-06	MW-7 15'		133Ø																												
-07	MW-7 25'		1334																												
-08	MW-7 55'		1353																												
-09	MW-8 5'	Ø1MAR	Ø85Ø																												
-10	MW-8 15'	Ø1MAR	Ø856																												

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 1.0
Laboratory Comments: 4oz glass w/labels & seals

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	Ø3MAR Ø6	1145	[signature]	3/3/06	11:45
Relinquished by: [signature]	3/3/06	3:25	Received by ELOT: Cecilia Carly	3/3/06	3:25

Environmental Lab of Texas I, Ltd.

2 OF 2

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV. SVCS.
Company Address: P.O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 396-1429
Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION SOUTH STATION
Project #: EMS: 2005-00138
Project Loc: LEA COUNTY, NM
PO #: PAA/C. REYNOLDS

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 (8015M) 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
11 (EC0305)	MW-8 25'	01MAR06	0901	1	X									X		X							X							X
12	MW-8 50'		0959																											
13	MW-8 60'		1016																											

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments: 1.0

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	03MAR06	1145		3/3/06	11:45
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/3/06	325	Corri Wells	3/3/06	3:25

w/ labels & seals

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Plains

Date/Time: 3/3/06 1505

Order #: 6C030

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: 34 Junction South Station

Project Number: 2005-00138

Location: Lea County, NM

Lab Order Number: 6C31012

Report Date: 04/07/06

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/07/06 14:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6C31012-01	Water	03/29/06 10:50	03/31/06 13:03
MW-2	6C31012-02	Water	03/29/06 11:26	03/31/06 13:03
MW-5	6C31012-03	Water	03/29/06 12:10	03/31/06 13:03
MW-4	6C31012-04	Water	03/29/06 13:40	03/31/06 13:03
MW-6	6C31012-05	Water	03/29/06 14:15	03/31/06 13:03
MW-7	6C31012-06	Water	03/29/06 15:05	03/31/06 13:03
MW-8	6C31012-07	Water	03/29/06 16:20	03/31/06 13:03

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/07/06 14:26

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6C31012-01) Water									
Benzene	ND	0.00100	mg/L	1	ED60305	04/03/06	04/04/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.5 %*	*80-120*		"	"	"	"	
MW-2 (6C31012-02) Water									
Benzene	ND	0.00100	mg/L	1	ED60305	04/03/06	04/04/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
MW-5 (6C31012-03) Water									
Benzene	ND	0.00100	mg/L	1	ED60305	04/03/06	04/04/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*100 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	
MW-4 (6C31012-04) Water									
Benzene	ND	0.00100	mg/L	1	ED60506	04/05/06	04/05/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (6C31012-05) Water									
Benzene	ND	0.00100	mg/L	1	ED60506	04/05/06	04/05/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.5 %*	*80-120*		"	"	"	"	
MW-7 (6C31012-06) Water									
Benzene	ND	0.00100	mg/L	1	ED60506	04/05/06	04/05/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.2 %*	*80-120*		"	"	"	"	
MW-8 (6C31012-07) Water									
Benzene	**0.0116**	0.00100	mg/L	1	ED60506	04/05/06	04/05/06	EPA 8021B	
Toluene	**0.00805**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.00330**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00620**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.8 %*	*80-120*		"	"	"	"	

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/07/06 14:26

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED60305 - EPA 5030C (GC)										
Blank (ED60305-BLK1)				Prepared & Analyzed: 04/03/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*42.0*		*ug/l*	*40.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.4*		*"*	*40.0*		*93.5*	*80-120*			
LCS (ED60305-BS1)				Prepared & Analyzed: 04/03/06						
Benzene	0.0451	0.00100	mg/L	0.0500		90.2	80-120			
Toluene	0.0435	0.00100	"	0.0500		87.0	80-120			
Ethylbenzene	0.0584	0.00100	"	0.0500		117	80-120			
Xylene (p/m)	0.101	0.00100	"	0.100		101	80-120			
Xylene (o)	0.0498	0.00100	"	0.0500		99.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*43.5*		*ug/l*	*40.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.2*		*"*	*40.0*		*116*	*80-120*			
Calibration Check (ED60305-CCV1)				Prepared: 04/03/06 Analyzed: 04/04/06						
Benzene	43.0		ug/l	50.0		86.0	80-120			
Toluene	40.2		"	50.0		80.4	80-120			
Ethylbenzene	44.6		"	50.0		89.2	80-120			
Xylene (p/m)	90.6		"	100		90.6	80-120			
Xylene (o)	45.4		"	50.0		90.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.0*		*"*	*40.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.5*		*"*	*40.0*		*96.2*	*80-120*			
Matrix Spike (ED60305-MS1)	**Source: 6C29010-03**			Prepared: 04/03/06 Analyzed: 04/04/06						
Benzene	0.0435	0.00100	mg/L	0.0500	ND	87.0	80-120			
Toluene	0.0418	0.00100	"	0.0500	ND	83.6	80-120			
Ethylbenzene	0.0573	0.00100	"	0.0500	ND	115	80-120			
Xylene (p/m)	0.0983	0.00100	"	0.100	ND	98.3	80-120			
Xylene (o)	0.0469	0.00100	"	0.0500	ND	93.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.9*		*ug/l*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.4*		*"*	*40.0*		*101*	*80-120*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED60305 - EPA 5030C (GC)										
Matrix Spike Dup (ED60305-MSD1)	**Source: 6C29010-03**			Prepared: 04/03/06 Analyzed: 04/04/06						
Benzene	0.0420	0.00100	mg/L	0.0500	ND	84.0	80-120	3.51	20	
Toluene	0.0413	0.00100	"	0.0500	ND	82.6	80-120	1.20	20	
Ethylbenzene	0.0562	0.00100	"	0.0500	ND	112	80-120	2.64	20	
Xylene (p/m)	0.0968	0.00100	"	0.100	ND	96.8	80-120	1.54	20	
Xylene (o)	0.0465	0.00100	"	0.0500	ND	93.0	80-120	0.857	20	
Surrogate: a,a,a-Trifluorotoluene	*40.8*		*ug/l*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.0*		"	*40.0*		*95.0*	*80-120*			
Batch ED60506 - EPA 5030C (GC)										
Blank (ED60506-BLK1)				Prepared & Analyzed: 04/05/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*36.0*		*ug/l*	*40.0*		*90.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.8*		"	*40.0*		*84.5*	*80-120*			
LCS (ED60506-BS1)				Prepared & Analyzed: 04/05/06						
Benzene	0.0400	0.00100	mg/L	0.0500		80.0	80-120			
Toluene	0.0401	0.00100	"	0.0500		80.2	80-120			
Ethylbenzene	0.0542	0.00100	"	0.0500		108	80-120			
Xylene (p/m)	0.0934	0.00100	"	0.100		93.4	80-120			
Xylene (o)	0.0445	0.00100	"	0.0500		89.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*37.8*		*ug/l*	*40.0*		*94.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.3*		"	*40.0*		*83.2*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED60506 - EPA 5030C (GC)										
Calibration Check (ED60506-CCV1)				Prepared: 04/05/06 Analyzed: 04/06/06						
Benzene	40.9		ug/l	50.0		81.8	80-120			
Toluene	40.2		"	50.0		80.4	80-120			
Ethylbenzene	53.8		"	50.0		108	80-120			
Xylene (p/m)	92.5		"	100		92.5	80-120			
Xylene (o)	44.3		"	50.0		88.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.2*		"	*40.0*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.7*		"	*40.0*		*99.2*	*80-120*			
Matrix Spike (ED60506-MS1)		**Source: 6D05001-05**		Prepared: 04/05/06 Analyzed: 04/06/06						
Benzene	0.0423	0.00100	mg/L	0.0500	ND	84.6	80-120			
Toluene	0.0400	0.00100	"	0.0500	ND	80.0	80-120			
Ethylbenzene	0.0528	0.00100	"	0.0500	ND	106	80-120			
Xylene (p/m)	0.0907	0.00100	"	0.100	ND	90.7	80-120			
Xylene (o)	0.0432	0.00100	"	0.0500	ND	86.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*33.9*		*ug/l*	*40.0*		*84.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.4*		"	*40.0*		*86.0*	*80-120*			
Matrix Spike Dup (ED60506-MSD1)		**Source: 6D05001-05**		Prepared: 04/05/06 Analyzed: 04/06/06						
Benzene	0.0418	0.00100	mg/L	0.0500	ND	83.6	80-120	1.19	20	
Toluene	0.0416	0.00100	"	0.0500	ND	83.2	80-120	3.92	20	
Ethylbenzene	0.0563	0.00100	"	0.0500	ND	113	80-120	6.39	20	
Xylene (p/m)	0.0966	0.00100	"	0.100	ND	96.6	80-120	6.30	20	
Xylene (o)	0.0459	0.00100	"	0.0500	ND	91.8	80-120	6.06	20	
Surrogate: a,a,a-Trifluorotoluene	*41.2*		*ug/l*	*40.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.6*		"	*40.0*		*91.5*	*80-120*			

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	**Reported:**
Midland TX, 79706-4476	Project Manager: Camille Reynolds	04/07/06 14:26

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 4/7/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: KEN DUTTON
Company Name: BASIN ENV. SVCS.
Company Address: P. O. BOX 301
City/State/Zip: LOVINGTON, NM 88260
Telephone No: (505) 441-2124 Fax No: (505) 396-1429
Sampler Signature: Ken Dutton

Project Name: 34 JUNCTION SOUTH
Project #: EMS: 2005-00138
Project Loc: LEA COUNTY, NM
PO #: PAA / C. REYNOLDS

LAB # (lab use only) 6C31012	FIELD CODE	Date Sampled 2006	Time Sampled	No. of Containers 40mL glass	Preservative: Ice	HNO_3	HCl	NaOH	H_2SO_4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 X	RCI	N.O.R.M.	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
-01	MW-1	29 MAR	1050	2	X		X					X											X							X
-02	MW-2		1126																											
-03	MW-5		1210																											
-04	MW-4		1340																											
-05	MW-6		1415																											
-06	MW-7		1505																											
-07	MW-8		1620																											

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 3.0°C
Laboratory Comments: seals + labels
Seal on cooler

Relinquished by:	Date	Time	Received by:	Date	Time
Ken Dutton	31 MAR 06	0950		3/31/06	1050
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	3/31/06	1303	Jeanne McMurray	03-31-06	1303

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Plains P/L

Date/Time: 03-31-06 @ 1303

Order #: 6C31012

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	3.0 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	(Yes)	No	Not present
Custody Seals intact on sample bottles?	(Yes)	No	Not present
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: 34 Junction South Station

Project Number: EMS# 2005-00138

Location: Lea Co., NM

Lab Order Number: 6F15013

Report Date: 06/23/06

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS# 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6F15013-01	Water	06/12/06 09:20	06/15/06 12:45
MW-2	6F15013-02	Water	06/12/06 10:35	06/15/06 12:45
MW-6	6F15013-03	Water	06/12/06 11:40	06/15/06 12:45
MW-7	6F15013-04	Water	06/12/06 12:50	06/15/06 12:45
MW-4	6F15013-05	Water	06/12/06 14:30	06/15/06 12:45
MW-5	6F15013-06	Water	06/12/06 15:35	06/15/06 12:45
MW-8	6F15013-07	Water	06/13/06 15:45	06/15/06 12:45

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS# 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6F15013-01) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*80-120*		"	"	"	"	
MW-2 (6F15013-02) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	
MW-6 (6F15013-03) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.5 %*	*80-120*		"	"	"	"	
MW-7 (6F15013-04) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*80-120*		"	"	"	"	

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS# 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (6F15013-05) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.8 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.5 %*		*80-120*		"	"	"	
MW-5 (6F15013-06) Water									
Benzene	ND	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.5 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*		*80-120*		"	"	"	
MW-8 (6F15013-07) Water									
Benzene	**0.144**	0.00100	mg/L	1	EF62102	06/21/06	06/21/06	EPA 8021B	
Toluene	**0.345**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**0.0845**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.199**	0.00100	"	"	"	"	"	"	
Xylene (o)	**0.0791**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*176 %*		*80-120*		"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*117 %*		*80-120*		"	"	"	

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Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: 34 Junction South Station
Project Number: EMS# 2005-00138
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62102 - EPA 5030C (GC)										
Blank (EF62102-BLK1)				Prepared & Analyzed: 06/21/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*40.8*		*ug/l*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.0*		*"*	*40.0*		*80.0*	*80-120*			
LCS (EF62102-BS1)				Prepared & Analyzed: 06/21/06						
Benzene	0.0523	0.00100	mg/L	0.0500		105	80-120			
Toluene	0.0568	0.00100	"	0.0500		114	80-120			
Ethylbenzene	0.0548	0.00100	"	0.0500		110	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100		119	80-120			
Xylene (o)	0.0582	0.00100	"	0.0500		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*42.8*		*ug/l*	*40.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.1*		*"*	*40.0*		*103*	*80-120*			
Calibration Check (EF62102-CCV1)				Prepared & Analyzed: 06/21/06						
Benzene	58.5		ug/l	50.0		117	80-120			
Toluene	59.9		"	50.0		120	80-120			
Ethylbenzene	58.1		"	50.0		116	80-120			
Xylene (p/m)	119		"	100		119	80-120			
Xylene (o)	59.6		"	50.0		119	80-120			
Surrogate: a,a,a-Trifluorotoluene	*43.0*		*"*	*40.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*38.6*		*"*	*40.0*		*96.5*	*80-120*			
Matrix Spike (EF62102-MS1)	**Source: 6F15011-01**			Prepared & Analyzed: 06/21/06						
Benzene	0.0523	0.00100	mg/L	0.0500	ND	105	80-120			
Toluene	0.0579	0.00100	"	0.0500	ND	116	80-120			
Ethylbenzene	0.0509	0.00100	"	0.0500	ND	102	80-120			
Xylene (p/m)	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (o)	0.0598	0.00100	"	0.0500	ND	120	80-120			
Surrogate: a,a,a-Trifluorotoluene	*44.0*		*ug/l*	*40.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*43.6*		*"*	*40.0*		*109*	*80-120*			

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS# 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62102 - EPA 5030C (GC)										
Matrix Spike Dup (EF62102-MSD1)	**Source: 6F15011-01**			Prepared & Analyzed: 06/21/06						
Benzene	0.0579	0.00100	mg/L	0.0500	ND	116	80-120	9.95	20	
Toluene	0.0576	0.00100	"	0.0500	ND	115	80-120	0.866	20	
Ethylbenzene	0.0578	0.00100	"	0.0500	ND	116	80-120	12.8	20	
Xylene (p/m)	0.120	0.00100	"	0.100	ND	120	80-120	0.837	20	
Xylene (o)	0.0580	0.00100	"	0.0500	ND	116	80-120	3.39	20	
Surrogate: a,a,a-Trifluorotoluene	*40.7*		*ug/l*	*40.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.0*		*"*	*40.0*		*102*	*80-120*			

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Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: EMS# 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not ReportedThe surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Jeanne McMurrey Date: 6/23/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
La Tasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Ken Dutton
Company Name: Basin Environmental
Company Address: P.O. Box 301
City/State/Zip: Lovington, NM 88260
Telephone No: 505-441-2124 Fax No: 505-396-1429
Sampler Signature:

Project Name: 34 Junction South
Project #: EMS# 2005-00135
Project Loc: Lea Co., NM
PO #: PAA / C. Reynolds

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative: H_2SO_4	Preservative: None	Preservative: Other (Specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: TCLP: TPH: 418.1 8015M 1005 1006	Analyze For: TCLP: Cations (Ca, Mg, Na, K)	Analyze For: TCLP: Anions (Cl, SO4, CO3, HCO3)	Analyze For: TCLP: SAR / ESP / CEC	Analyze For: TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	Analyze For: TCLP: Volatiles	Analyze For: TCLP: Semivolatiles	Analyze For: TOTAL: BTEX 8021 B/5030	Analyze For: TOTAL: RCI	Analyze For: TOTAL: N.O.R.M.	Analyze For: TOTAL: Total Gamma	RUSH TAT (Pre-Schedule)	Standard TAT
LCF 15013																												
-01	MW 1	6/12/06	920	2	X		X					X											X					X
-02	MW 2	"	1035																									
-03	MW 6	"	1140																									
-04	MW 7	"	1250																									
-05	MW 4	"	1430																									
-06	MW 5	"	1535																									
-07	MW 8	6/13/06	1545																									
-																												

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt: 6°
Laboratory Comments: 0.5

Relinquished by:	Date	Time	Received by:	Date	Time
	6/15/06	738	Jordan K. Stallard	6-15-06	1735
Relinquished by: Jordan K. Stallard	Date 6-15-06	Time 12:45	Received by ELOT: Carrie Kelly	Date 6/16/06	Time 12:45

w/ seals & label

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

nt: Plains

e/Time: 6/15/06 12:45

der #: 6F1503

als: Ok

Sample Receipt Checklist

	Yes	No	0.5 C
perature of container/cooler?	Yes	No	
ping container/cooler in good condition?	Yes	No	
stody Seals intact on shipping container/cooler?	Yes	No	Not present
ody Seals intact on sample bottles?	Yes	No	Not present
in of custody present?	Yes	No	
mple Instructions complete on Chain of Custody?	Yes	No	
n of Custody signed when relinquished and received?	Yes	No	
ain of custody agrees with sample label(s)	Yes	No	
tainer labels legible and intact?	Yes	No	
mple Matrix and properties same as on chain of custody?	Yes	No	
mples in proper container/bottle?	Yes	No	
mples properly preserved?	Yes	No	
mple bottles intact?	Yes	No	
servations documented on Chain of Custody?	Yes	No	
tainers documented on Chain of Custody?	Yes	No	
fficient sample amount for indicated test?	Yes	No	
amples received within sufficient hold time?	Yes	No	
C samples have zero headspace?	Yes	No	Not Applicable

ner observations:

Variance Documentation:

ntact Person: - Date/Time: Contacted by:

garding:

rrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: 34 Junction South Station

Project Number: 2005-00138

Location: SW of Lovington, NM

Lab Order Number: 6I19005

Report Date: 09/22/06

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-9 @ 15'	6I19005-01	Soil	09/13/06 09:30	09-19-2006 12:33
MW-9 @ 35'	6I19005-02	Soil	09/13/06 10:10	09-19-2006 12:33
MW-9 @ 55'	6I19005-03	Soil	09/13/06 10:50	09-19-2006 12:33
MW-10 @ 15'	6I19005-04	Soil	09/13/06 13:00	09-19-2006 12:33
MW-10 @ 35'	6I19005-05	Soil	09/13/06 13:40	09-19-2006 12:33
MW-10 @ 55'	6I19005-06	Soil	09/13/06 14:50	09-19-2006 12:33

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 @ 15' (6I19005-01) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EI61924	09/19/06	09/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
MW-9 @ 35' (6I19005-02) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EI61924	09/19/06	09/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*83.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
MW-9 @ 55' (6I19005-03) Soil									
Carbon Ranges C6-C12	**1280**	10.0	mg/kg dry	1	EI61924	09/19/06	09/20/06	EPA 8015M	
Carbon Ranges C12-C28	**2890**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**241**	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**4410**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*130 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*162 %*	*70-130*		"	"	"	"	*S-04*
MW-10 @ 15' (6I19005-04) Soil									
Carbon Ranges C6-C12	**J [8.48]**	10.0	mg/kg dry	1	EI61924	09/19/06	09/20/06	EPA 8015M	J
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 @ 35' (6I19005-05) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EI61924	09/19/06	09/20/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	
MW-10 @ 55' (6I19005-06) Soil									
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EI61924	09/19/06	09/20/06	EPA 8015M	
Carbon Ranges C12-C28	**50.6**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**12.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbons	**62.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*86.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-9 @ 15' (6I19005-01) Soil									
% Moisture	**12.3**	0.1	%	1	EI62004	09/19/06	09/20/06	% calculation	
MW-9 @ 35' (6I19005-02) Soil									
% Moisture	**9.6**	0.1	%	1	EI62004	09/19/06	09/20/06	% calculation	
MW-9 @ 55' (6I19005-03) Soil									
% Moisture	**15.6**	0.1	%	1	EI62004	09/19/06	09/20/06	% calculation	
MW-10 @ 15' (6I19005-04) Soil									
% Moisture	**7.2**	0.1	%	1	EI62004	09/19/06	09/20/06	% calculation	
MW-10 @ 35' (6I19005-05) Soil									
% Moisture	**4.0**	0.1	%	1	EI62004	09/19/06	09/20/06	% calculation	
MW-10 @ 55' (6I19005-06) Soil									
% Moisture	**12.3**	0.1	%	1	EI62004	09/19/06	09/20/06	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: 34 Junction South Station
Project Number: 2005-00138
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI61924 - Solvent Extraction (GC)										
Blank (EI61924-BLK1)				Prepared: 09/19/06 Analyzed: 09/20/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	*41.9*		*mg/kg*	*50.0*		*83.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*52.2*		*"*	*50.0*		*104*	*70-130*			
LCS (EI61924-BS1)				Prepared: 09/19/06 Analyzed: 09/20/06						
Carbon Ranges C6-C12	494	10.0	mg/kg wet	500		98.8	75-125			
Carbon Ranges C12-C28	471	10.0	"	500		94.2	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	965	10.0	"	1000		96.5	75-125			
Surrogate: 1-Chlorooctane	*53.1*		*mg/kg*	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.6*		*"*	*50.0*		*107*	*70-130*			
Calibration Check (EI61924-CCV1)				Prepared: 09/19/06 Analyzed: 09/20/06						
Carbon Ranges C6-C12	239		mg/kg	250		95.6	80-120			
Carbon Ranges C12-C28	289		"	250		116	80-120			
Total Hydrocarbons	528		"	500		106	80-120			
Surrogate: 1-Chlorooctane	*54.0*		*"*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.1*		*"*	*50.0*		*122*	*70-130*			
Matrix Spike (EI61924-MS1)	**Source: 6I19004-09**			Prepared: 09/19/06 Analyzed: 09/20/06						
Carbon Ranges C6-C12	497	10.0	mg/kg dry	529	ND	94.0	75-125			
Carbon Ranges C12-C28	441	10.0	"	529	ND	83.4	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	938	10.0	"	1060	ND	88.5	75-125			
Surrogate: 1-Chlorooctane	*54.8*		*mg/kg*	*50.0*		*110*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.5*		*"*	*50.0*		*115*	*70-130*			

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: 34 Junction South Station
Project Number: 2005-00138
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI61924 - Solvent Extraction (GC)										
Matrix Spike Dup (EI61924-MSD1)	**Source: 6I19004-09**			Prepared: 09/19/06 Analyzed: 09/20/06						
Carbon Ranges C6-C12	507	10.0	mg/kg dry	529	ND	95.8	75-125	1.99	20	
Carbon Ranges C12-C28	447	10.0	"	529	ND	84.5	75-125	1.35	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	954	10.0	"	1060	ND	90.0	75-125	1.69	20	
Surrogate: 1-Chlorooctane	*55.0*		*mg/kg*	*50.0*		*110*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.4*		*"*	*50.0*		*117*	*70-130*			

Plains All American EH & S	Project: 34 Junction South Station	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2005-00138	
Midland TX, 79706-4476	Project Manager: Camille Reynolds	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI62004 - General Preparation (Prep)										
Blank (EI62004-BLK1)				Prepared: 09/19/06 Analyzed: 09/20/06						
% Solids	100		%							
Duplicate (EI62004-DUP1)		**Source: 6I18013-01**		Prepared: 09/19/06 Analyzed: 09/20/06						
% Solids	97.5		%		97.2			0.308	20	
Duplicate (EI62004-DUP2)		**Source: 6I19004-10**		Prepared: 09/19/06 Analyzed: 09/20/06						
% Solids	94.9		%		94.8			0.105	20	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K. Tuttle Date: 9/22/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: CURT STANLEY
Company Name: NOVA SAFETY & ENVIRONMENTAL
Company Address: 2057 COMMERCE
City/State/Zip: MIDLAND, TX 79703
Telephone No: 432-520-7720 Fax No: 432-520-7702
Sampler Signature: C. Stanley
e-mail: cstanley@novatrining.cc

Project Name: 34 JUNCTION SOUTH
Project #: 2005-00138
Project Loc: SW of LOVINGTON, NM
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 6I19005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge; GW=Groundwater S=Soil/Solid; NP=Non-Potable Specify Other	Analyze For: TPH: 418.1 / 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se (TCLP / TOTAL)	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Scheduled) 24, 48, 72 hrs	Standard TAT
	MW-9 @ 15'	—	—	9/20/06	9:30	1	X								SOIL	X											X
	MW-9 @ 35'	—	—		10:10																						
	MW-9 @ 55'	—	—		10:50																						
	MW-10 @ 15'	—	—		13:00																						
	MW-10 @ 35'	—	—		13:40																						
	MW-10C 55'	—	—		14:50																						

2006 (13) as per Curt-Stanley

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
	09-19-06	1233			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Diane McManus	09-19-06	1233

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Custody seals on container(s) Y (N)
Custody seals on cooler(s) Y (N)
Sample Hand Delivered by Sampler/Client Rep. ? (Y) N
by Courier? UPS DHL FedEx Lone Star
id on lid
Temperature Upon Receipt: 3.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Plains P/L - Nova Safety

Date/ Time: 09-19-06 @ 1233

Lab ID #: 6I19005

Initials: JMM

Sample Receipt Checklist

				Client Initials
1 Temperature of container/ cooler?	(Yes)	No	3.0 °C	
2 Shipping container in good condition?	(Yes)	No		
3 Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
4 Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
5 Chain of Custody present?	(Yes)	No		
6 Sample instructions complete of Chain of Custody?	(Yes)	No		
7 Chain of Custody signed when relinquished/ received?	(Yes)	No		
8 Chain of Custody agrees with sample label(s)?	Yes	No	(ID written on Cont / Lid)	
9 Container label(s) legible and intact?	Yes	No	Not Applicable	
10 Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
11 Containers supplied by ELOT?	(Yes)	No		
12 Samples in proper container/ bottle?	(Yes)	No	See Below	
13 Samples properly preserved?	(Yes)	No	See Below	
14 Sample bottles intact?	(Yes)	No		
15 Preservations documented on Chain of Custody?	(Yes)	No		
16 Containers documented on Chain of Custody?	(Yes)	No		
17 Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
18 All samples received within sufficient hold time?	(Yes)	No	See Below	
19 VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: Curt Stanley Contacted by: Jeanne McMurray Date/ Time: 09-19-06 @ 1310

Regarding: correct sampling date

Corrective Action Taken:

Listed as 09-20-06 Client said it should be 09-13-06

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Summary Report

Jennifer Lange
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: October 10, 2006

Work Order: 6100201

Project Location: SW of Lovington, NM
Project Name: 34 Junction South
Project Number: SRS-2005-00138

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
104779	MW6	water	2006-09-29	14:00	2006-09-30
104780	MW1	water	2006-09-29	15:00	2006-09-30
104781	MW2	water	2006-09-29	16:00	2006-09-30
104782	MW7	water	2006-09-29	17:00	2006-09-30
104783	MW5	water	2006-09-29	18:00	2006-09-30
104784	MW10	water	2006-09-29	19:00	2006-09-30
104785	MW4	water	2006-09-29	20:00	2006-09-30
104786	MW8	water	2006-09-29	21:00	2006-09-30
104787	MW9	water	2006-09-29	22:30	2006-09-30
104788	MW3	water	2006-09-29	22:00	2006-09-30
104789	RW1	water	2006-09-29	23:00	2006-09-30

	BTEX				MTBE
Sample - Field Code	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)	MTBE (mg/L)
104779 - MW6	<0.00100	**0.00100**	<0.00100	**0.00140**	
104780 - MW1	<0.00100	<0.00100	<0.00100	<0.00100	
104781 - MW2	<0.00100	<0.00100	<0.00100	<0.00100	
104782 - MW7	<0.00100	<0.00100	<0.00100	<0.00100	
104783 - MW5	<0.00100	<0.00100	<0.00100	<0.00100	
104784 - MW10	**1.93**	**0.846**	**0.0802**	**0.228**	
104785 - MW4	**0.00920**	**0.00480**	<0.00100	**0.00210**	
104786 - MW8	**0.0751**	**0.125**	**0.0251**	**0.0927**	
104787 - MW9	**5.87**	**3.54**	**0.601**	**2.16**	
104788 - MW3	**4.85**	**4.42**	**0.439**	**1.55**	
104789 - RW1	**7.86**	**8.80**	**0.986**	**3.20**	

Sample: 104779 - MW6

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**234**	mg/L as CaCo3	4.00
Total Alkalinity		**234**	mg/L as CaCo3	4.00

continued ...

sample 104779 continued ...

Param	Flag	Result	Units	RL
Total Calcium		**169**	mg/L	0.500
Chloride		**32.6**	mg/L	0.500
Specific Conductance		**926**	µMHOS/cm	0.00
Fluoride		**1.26**	mg/L	0.200
Total Potassium		**4.02**	mg/L	0.500
Total Magnesium		**16.3**	mg/L	0.500
Total Sodium		**23.4**	mg/L	0.500
pH		**7.10**	s.u.	0.00
Sulfate		**192**	mg/L	0.500
Total Dissolved Solids		**609**	mg/L	10.0

Sample: 104780 - MW1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**206**	mg/L as CaCo3	4.00
Total Alkalinity		**206**	mg/L as CaCo3	4.00
Total Calcium		**105**	mg/L	0.500
Chloride		**37.9**	mg/L	0.500
Specific Conductance		**687**	µMHOS/cm	0.00
Fluoride		**1.40**	mg/L	0.200
Total Potassium		**3.81**	mg/L	0.500
Total Magnesium		**8.26**	mg/L	0.500
Total Sodium		**35.9**	mg/L	0.500
pH		**7.24**	s.u.	0.00
Sulfate		**56.9**	mg/L	0.500
Total Dissolved Solids		**414**	mg/L	10.0

Sample: 104781 - MW2

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**205**	mg/L as CaCo3	4.00
Total Alkalinity		**205**	mg/L as CaCo3	4.00
Total Calcium		**120**	mg/L	0.500
Chloride		**31.2**	mg/L	0.500
Specific Conductance		**749**	µMHOS/cm	0.00
Fluoride		**1.35**	mg/L	0.200
Total Potassium		**3.38**	mg/L	0.500
Total Magnesium		**10.6**	mg/L	0.500
Total Sodium		**38.3**	mg/L	0.500
pH		**7.16**	s.u.	0.00
Sulfate		**86.6**	mg/L	0.500
Total Dissolved Solids		**459**	mg/L	10.0

Sample: 104782 - MW7

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**217**	mg/L as CaCo3	4.00
Total Alkalinity		**217**	mg/L as CaCo3	4.00
Total Calcium		**468**	mg/L	0.500
Chloride		**37.1**	mg/L	0.500
Specific Conductance		**714**	µMHOS/cm	0.00
Fluoride		**1.15**	mg/L	0.200
Total Potassium		**5.72**	mg/L	0.500
Total Magnesium		**22.7**	mg/L	0.500
Total Sodium		**28.1**	mg/L	0.500
pH		**7.16**	s.u.	0.00
Sulfate		**129**	mg/L	0.500
Total Dissolved Solids		**550**	mg/L	10.0

Sample: 104783 - MW5

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**194**	mg/L as CaCo3	4.00
Total Alkalinity		**194**	mg/L as CaCo3	4.00
Total Calcium		**121**	mg/L	0.500
Chloride		**15.7**	mg/L	0.500
Specific Conductance		**600**	µMHOS/cm	0.00
Fluoride		**1.27**	mg/L	0.200
Total Potassium		**4.09**	mg/L	0.500
Total Magnesium		**14.7**	mg/L	0.500
Total Sodium		**33.4**	mg/L	0.500
pH		**7.27**	s.u.	0.00
Sulfate		**66.8**	mg/L	0.500
Total Dissolved Solids		**975**	mg/L	10.0

Sample: 104784 - MW10

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**206**	mg/L as CaCo3	4.00
Total Alkalinity		**206**	mg/L as CaCo3	4.00
Total Calcium		**532**	mg/L	0.500
Chloride		**11.5**	mg/L	0.500
Specific Conductance		**450**	µMHOS/cm	0.00
Fluoride		**1.42**	mg/L	0.200
Total Potassium		**5.68**	mg/L	0.500
Total Magnesium		**52.1**	mg/L	0.500
Total Sodium		**22.2**	mg/L	0.500
pH		**7.33**	s.u.	0.00
Sulfate		**37.1**	mg/L	0.500
Total Dissolved Solids		**325**	mg/L	10.0

Sample: 104785 - MW4

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**183**	mg/L as CaCo3	4.00
Total Alkalinity		**183**	mg/L as CaCo3	4.00
Total Calcium		**128**	mg/L	0.500
Chloride		**30.8**	mg/L	0.500
Specific Conductance		**601**	µMHOS/cm	0.00
Fluoride		**1.40**	mg/L	0.200
Total Potassium		**4.18**	mg/L	0.500
Total Magnesium		**11.6**	mg/L	0.500
Total Sodium		**31.5**	mg/L	0.500
pH		**7.27**	s.u.	0.00
Sulfate		**49.8**	mg/L	0.500
Total Dissolved Solids		**357**	mg/L	10.0

Sample: 104786 - MW8

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**236**	mg/L as CaCo3	4.00
Total Alkalinity		**236**	mg/L as CaCo3	4.00
Total Calcium		**126**	mg/L	0.500
Chloride		**39.1**	mg/L	0.500
Specific Conductance		**794**	µMHOS/cm	0.00
Fluoride		**1.28**	mg/L	0.200
Total Potassium		**4.09**	mg/L	0.500
Total Magnesium		**10.2**	mg/L	0.500
Total Sodium		**38.1**	mg/L	0.500
pH		**7.07**	s.u.	0.00
Sulfate		**89.7**	mg/L	0.500
Total Dissolved Solids		**497**	mg/L	10.0

Sample: 104787 - MW9

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**214**	mg/L as CaCo3	4.00
Total Alkalinity		**214**	mg/L as CaCo3	4.00
Total Calcium		**625**	mg/L	0.500
Chloride		**24.5**	mg/L	0.500
Specific Conductance		**597**	µMHOS/cm	0.00
Fluoride		**1.41**	mg/L	0.200
Total Potassium		**9.72**	mg/L	0.500
Total Magnesium		**50.2**	mg/L	0.500
Total Sodium		**28.1**	mg/L	0.500
pH		**7.08**	s.u.	0.00
Sulfate		**40.8**	mg/L	0.500
Total Dissolved Solids		**355**	mg/L	10.0

Sample: 104788 - MW3

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**222**	mg/L as CaCo3	4.00
Total Alkalinity		**222**	mg/L as CaCo3	4.00
Total Calcium		**117**	mg/L	0.500
Chloride		**35.6**	mg/L	0.500
Specific Conductance		**764**	μMHOS/cm	0.00
Fluoride		**1.18**	mg/L	0.200
Total Potassium		**3.54**	mg/L	0.500
Total Magnesium		**9.86**	mg/L	0.500
Total Sodium		**36.2**	mg/L	0.500
pH		**7.01**	s.u.	0.00
Sulfate		**78.1**	mg/L	0.500
Total Dissolved Solids		**466**	mg/L	10.0

Sample: 104789 - RW1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**244**	mg/L as CaCo3	4.00
Total Alkalinity		**244**	mg/L as CaCo3	4.00
Total Calcium		**91.4**	mg/L	0.500
Chloride		**25.6**	mg/L	0.500
Specific Conductance		**674**	μMHOS/cm	0.00
Fluoride		**1.41**	mg/L	0.200
Total Potassium		**1.82**	mg/L	0.500
Total Magnesium		**8.22**	mg/L	0.500
Total Sodium		**33.8**	mg/L	0.500
pH		**6.98**	s.u.	0.00
Sulfate		**52.2**	mg/L	0.500
Total Dissolved Solids		**687**	mg/L	10.0

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Jennifer Lange
Nova Safety & Environmental
2057 Commerce St.
Midland, TX, 79703

Report Date: October 10, 2006

Work Order: 6100201

Project Location: SW of Lovington, NM
Project Name: 34 Junction South
Project Number: SRS-2005-00138

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
104779	MW6	water	2006-09-29	14:00	2006-09-30
104780	MW1	water	2006-09-29	15:00	2006-09-30
104781	MW2	water	2006-09-29	16:00	2006-09-30
104782	MW7	water	2006-09-29	17:00	2006-09-30
104783	MW5	water	2006-09-29	18:00	2006-09-30
104784	MW10	water	2006-09-29	19:00	2006-09-30
104785	MW4	water	2006-09-29	20:00	2006-09-30
104786	MW8	water	2006-09-29	21:00	2006-09-30
104787	MW9	water	2006-09-29	22:30	2006-09-30
104788	MW3	water	2006-09-29	22:00	2006-09-30
104789	RW1	water	2006-09-29	23:00	2006-09-30

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

Michael Abel

Dr. Blair Leftwich, Director

Analytical Report

Sample: 104779 - MW6

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**234**		mg/L as CaCo3	1	4.00
Total Alkalinity		**234**		mg/L as CaCo3	1	4.00

Sample: 104779 - MW6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30592	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0853	mg/L	1	0.100	85	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0814	mg/L	1	0.100	81	70 - 130

Sample: 104779 - MW6

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Calcium		**169**		mg/L	10	0.500

Sample: 104779 - MW6

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**32.6**	mg/L	5	0.500

Sample: 104779 - MW6

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**926**	µMHOS/cm	1	0.00

Sample: 104779 - MW6

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.26**	mg/L	5	0.200

Sample: 104779 - MW6

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		**4.02**	mg/L	1	0.500

Sample: 104779 - MW6

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		**16.3**	mg/L	1	0.500

Sample: 104779 - MW6

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**23.4**		mg/L	1	0.500

Sample: 104779 - MW6

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.10**		s.u.	1	0.00

Sample: 104779 - MW6

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		**192**		mg/L	5	0.500

Sample: 104779 - MW6

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**609**		mg/L	1	10.0

Sample: 104780 - MW1

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00

continued ...

sample 104780 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**206**	mg/L as CaCo3	1	4.00
Total Alkalinity		**206**	mg/L as CaCo3	1	4.00

Sample: 104780 - MW1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30592	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0851	mg/L	1	0.100	85	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0812	mg/L	1	0.100	81	70 - 130

Sample: 104780 - MW1

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**105**	mg/L	10	0.500

Sample: 104780 - MW1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**37.9**	mg/L	5	0.500

Sample: 104780 - MW1

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**687**		µMHOS/cm	1	0.00

Sample: 104780 - MW1

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Fluoride		**1.40**		mg/L	5	0.200

Sample: 104780 - MW1

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Potassium		**3.81**		mg/L	1	0.500

Sample: 104780 - MW1

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Magnesium		**8.26**		mg/L	1	0.500

Sample: 104780 - MW1

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**35.9**		mg/L	1	0.500

Sample: 104780 - MW1

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.24**		s.u.	1	0.00

Sample: 104780 - MW1

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		**56.9**		mg/L	5	0.500

Sample: 104780 - MW1

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**414**		mg/L	1	10.0

Sample: 104781 - MW2

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**205**		mg/L as CaCo3	1	4.00
Total Alkalinity		**205**		mg/L as CaCo3	1	4.00

Sample: 104781 - MW2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30592	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0853	mg/L	1	0.100	85	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0812	mg/L	1	0.100	81	70 - 130

Sample: 104781 - MW2

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	S 3010A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**120**	mg/L	10	0.500

Sample: 104781 - MW2

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**31.2**	mg/L	5	0.500

Sample: 104781 - MW2

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**749**	µMHOS/cm	1	0.00

Sample: 104781 - MW2

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.35**	mg/L	5	0.200

Sample: 104781 - MW2

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		**3.38**	mg/L	1	0.500

Sample: 104781 - MW2

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		**10.6**	mg/L	1	0.500

Sample: 104781 - MW2

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**38.3**	mg/L	1	0.500

Sample: 104781 - MW2

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.16**	s.u.	1	0.00

Sample: 104781 - MW2

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**86.6**	mg/L	5	0.500

Sample: 104781 - MW2

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**459**	mg/L	1	10.0

Sample: 104782 - MW7

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**217**	mg/L as CaCo3	1	4.00
Total Alkalinity		**217**	mg/L as CaCo3	1	4.00

Sample: 104782 - MW7

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30592	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0856	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0818	mg/L	1	0.100	82	70 - 130

Sample: 104782 - MW7

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**468**	mg/L	20	0.500

Sample: 104782 - MW7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**37.1**	mg/L	5	0.500

Sample: 104782 - MW7

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**714**	µMHOS/cm	1	0.00

Sample: 104782 - MW7

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.15**	mg/L	5	0.200

Sample: 104782 - MW7

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		**5.72**	mg/L	2	0.500

Sample: 104782 - MW7

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		**22.7**	mg/L	2	0.500

Sample: 104782 - MW7

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**28.1**	mg/L	2	0.500

Sample: 104782 - MW7

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.16**	s.u.	1	0.00

Sample: 104782 - MW7

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**129**	mg/L	5	0.500

Sample: 104782 - MW7

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**550**	mg/L	1	10.0

Sample: 104783 - MW5

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**194**	mg/L as CaCo3	1	4.00
Total Alkalinity		**194**	mg/L as CaCo3	1	4.00

Sample: 104783 - MW5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30592	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0857	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0818	mg/L	1	0.100	82	70 - 130

Sample: 104783 - MW5

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**121**	mg/L	10	0.500

Sample: 104783 - MW5

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**15.7**	mg/L	5	0.500

Sample: 104783 - MW5

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Specific Conductance		**600**	µMHOS/cm	1	0.00

Sample: 104783 - MW5

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**1.27**	mg/L	5	0.200

Sample: 104783 - MW5

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Potassium		**4.09**	mg/L	1	0.500

Sample: 104783 - MW5

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Magnesium		**14.7**	mg/L	1	0.500

Sample: 104783 - MW5

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		**33.4**	mg/L	1	0.500

Sample: 104783 - MW5

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.27**	s.u.	1	0.00

Sample: 104783 - MW5

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**66.8**	mg/L	5	0.500

Sample: 104783 - MW5

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**975**	mg/L	1	10.0

Sample: 104784 - MW10

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**206**	mg/L as CaCo3	1	4.00
Total Alkalinity		**206**	mg/L as CaCo3	1	4.00

Sample: 104784 - MW10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30595	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**1.93**	mg/L	50	0.00100
Toluene		**0.846**	mg/L	50	0.00100
Ethylbenzene		**0.0802**	mg/L	50	0.00100
Xylene		**0.228**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.22	mg/L	50	5.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)		3.81	mg/L	50	5.00	76	70 - 130

Sample: 104784 - MW10

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**532**	mg/L	50	0.500

Sample: 104784 - MW10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**11.5**	mg/L	5	0.500

Sample: 104784 - MW10

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**450**	µMHOS/cm	1	0.00

Sample: 104784 - MW10

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.42**	mg/L	5	0.200

Sample: 104784 - MW10

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		**5.68**	mg/L	5	0.500

Sample: 104784 - MW10

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		**52.1**	mg/L	5	0.500

Sample: 104784 - MW10

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**22.2**	mg/L	5	0.500

Sample: 104784 - MW10

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.33**	s.u.	1	0.00

Sample: 104784 - MW10

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**37.1**	mg/L	5	0.500

Sample: 104784 - MW10

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**325**	mg/L	1	10.0

Sample: 104785 - MW4

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**183**	mg/L as CaCo3	1	4.00
Total Alkalinity		**183**	mg/L as CaCo3	1	4.00

Sample: 104785 - MW4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30595	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.00920**	mg/L	1	0.00100
Toluene		**0.00480**	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		**0.00210**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0875	mg/L	1	0.100	88	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0761	mg/L	1	0.100	76	70 - 130

Sample: 104785 - MW4

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**128**	mg/L	10	0.500

Sample: 104785 - MW4

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**30.8**	mg/L	5	0.500

Sample: 104785 - MW4

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**601**	µMHOS/cm	1	0.00

Sample: 104785 - MW4

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.40**	mg/L	5	0.200

Sample: 104785 - MW4

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		**4.18**	mg/L	1	0.500

Sample: 104785 - MW4

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Magnesium		**11.6**		mg/L	1	0.500

Sample: 104785 - MW4

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**31.5**		mg/L	1	0.500

Sample: 104785 - MW4

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30563	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.27**		s.u.	1	0.00

Sample: 104785 - MW4

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		**49.8**		mg/L	5	0.500

Sample: 104785 - MW4

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**357**		mg/L	1	10.0

Sample: 104786 - MW8

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**236**	mg/L as CaCo3	1	4.00
Total Alkalinity		**236**	mg/L as CaCo3	1	4.00

Sample: 104786 - MW8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30592	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**0.0751**	mg/L	1	0.00100
Toluene		**0.125**	mg/L	1	0.00100
Ethylbenzene		**0.0251**	mg/L	1	0.00100
Xylene		**0.0927**	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0751	mg/L	1	0.100	75	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0854	mg/L	1	0.100	85	70 - 130

Sample: 104786 - MW8

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**126**	mg/L	10	0.500

Sample: 104786 - MW8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**39.1**	mg/L	5	0.500

Sample: 104786 - MW8

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**794**		µMHOS/cm	1	0.00

Sample: 104786 - MW8

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Fluoride		**1.28**		mg/L	5	0.200

Sample: 104786 - MW8

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Potassium		**4.09**		mg/L	1	0.500

Sample: 104786 - MW8

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Magnesium		**10.2**		mg/L	1	0.500

Sample: 104786 - MW8

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Sodium		**38.1**		mg/L	1	0.500

Sample: 104786 - MW8

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
pH		**7.07**		s.u.	1	0.00

Sample: 104786 - MW8

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Sulfate		**89.7**		mg/L	5	0.500

Sample: 104786 - MW8

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**497**		mg/L	1	10.0

Sample: 104787 - MW9

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30721	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26757	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**214**		mg/L as CaCo3	1	4.00
Total Alkalinity		**214**		mg/L as CaCo3	1	4.00

Sample: 104787 - MW9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30675	Date Analyzed:	2006-10-05	Analyzed By:	LO
Prep Batch:	26721	Sample Preparation:	2006-10-04	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**5.87**	mg/L	50	0.00100
Toluene		**3.54**	mg/L	50	0.00100
Ethylbenzene		**0.601**	mg/L	50	0.00100
Xylene		**2.16**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.63	mg/L	50	5.00	93	70 - 130
4-Bromofluorobenzene (4-BFB)		4.60	mg/L	50	5.00	92	70 - 130

Sample: 104787 - MW9

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**625**	mg/L	20	0.500

Sample: 104787 - MW9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**24.5**	mg/L	5	0.500

Sample: 104787 - MW9

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**597**	µMHOS/cm	1	0.00

Sample: 104787 - MW9

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.41**	mg/L	5	0.200

Sample: 104787 - MW9

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		**9.72**	mg/L	2	0.500

Sample: 104787 - MW9

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		**50.2**	mg/L	2	0.500

Sample: 104787 - MW9

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**28.1**	mg/L	2	0.500

Sample: 104787 - MW9

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**7.08**	s.u.	1	0.00

Sample: 104787 - MW9

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**40.8**	mg/L	5	0.500

Sample: 104787 - MW9

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**355**	mg/L	1	10.0

Sample: 104788 - MW3

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30723	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26758	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**222**	mg/L as CaCo3	1	4.00
Total Alkalinity		**222**	mg/L as CaCo3	1	4.00

Sample: 104788 - MW3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30675	Date Analyzed:	2006-10-05	Analyzed By:	LO
Prep Batch:	26721	Sample Preparation:	2006-10-04	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**4.85**	mg/L	100	0.00100
Toluene		**4.42**	mg/L	100	0.00100
Ethylbenzene		**0.439**	mg/L	100	0.00100
Xylene		**1.55**	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.48	mg/L	100	10.0	95	70 - 130
4-Bromofluorobenzene (4-BFB)		8.96	mg/L	100	10.0	90	70 - 130

Sample: 104788 - MW3

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30807	Date Analyzed:	2006-10-09	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Calcium		**117**		mg/L	10	0.500

Sample: 104788 - MW3

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**35.6**		mg/L	5	0.500

Sample: 104788 - MW3

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Specific Conductance		**764**		µMHOS/cm	1	0.00

Sample: 104788 - MW3

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Fluoride		**1.18**		mg/L	5	0.200

Sample: 104788 - MW3

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30807	Date Analyzed:	2006-10-09	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Potassium		**3.54**		mg/L	1	0.500

Sample: 104788 - MW3

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30807	Date Analyzed:	2006-10-09	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Magnesium		**9.86**	mg/L	1	0.500

Sample: 104788 - MW3

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30807	Date Analyzed:	2006-10-09	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Sodium		**36.2**	mg/L	1	0.500

Sample: 104788 - MW3

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.01**	s.u.	1	0.00

Sample: 104788 - MW3

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30646	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26702	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Sulfate		**78.1**	mg/L	5	0.500

Sample: 104788 - MW3

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30719	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26754	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**466**	mg/L	1	10.0

Sample: 104789 - RW1

Analysis:	Alkalinity	Analytical Method:	E 310.1	Prep Method:	N/A
QC Batch:	30723	Date Analyzed:	2006-10-05	Analyzed By:	JS
Prep Batch:	26758	Sample Preparation:	2006-10-05	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**244**	mg/L as CaCo3	1	4.00
Total Alkalinity		**244**	mg/L as CaCo3	1	4.00

Sample: 104789 - RW1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	30592	Date Analyzed:	2006-10-02	Analyzed By:	LO
Prep Batch:	26648	Sample Preparation:	2006-10-02	Prepared By:	LO

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		**7.86**	mg/L	50	0.00100
Toluene		**8.80**	mg/L	50	0.00100
Ethylbenzene		**0.986**	mg/L	50	0.00100
Xylene		**3.20**	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.42	mg/L	50	5.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)		4.25	mg/L	50	5.00	85	70 - 130

Sample: 104789 - RW1

Analysis:	Ca, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Calcium		**91.4**	mg/L	2	0.500

Sample: 104789 - RW1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30647	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26703	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**25.6**	mg/L	5	0.500

Sample: 104789 - RW1

Analysis:	Conductivity	Analytical Method:	E 120.1	Prep Method:	N/A
QC Batch:	30572	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26627	Sample Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Specific Conductance		**674**	µMHOS/cm	1	0.00

Sample: 104789 - RW1

Analysis:	Fluoride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30647	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26703	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		**1.41**	mg/L	5	0.200

Sample: 104789 - RW1

Analysis:	K, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Potassium		**1.82**	mg/L	2	0.500

Sample: 104789 - RW1

Analysis:	Mg, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Magnesium		**8.22**	mg/L	2	0.500

Sample: 104789 - RW1

Analysis:	Na, Total	Analytical Method:	E 200.7	Prep Method:	N/A
QC Batch:	30806	Date Analyzed:	2006-10-10	Analyzed By:	TP
Prep Batch:	26785	Sample Preparation:	2006-10-06	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**33.8**	mg/L	2	0.500

Sample: 104789 - RW1

Analysis:	pH	Analytical Method:	E 150.1	Prep Method:	N/A
QC Batch:	30548	Date Analyzed:	2006-09-30	Analyzed By:	AR
Prep Batch:	26607	Sample Preparation:	2006-09-30	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
pH		**6.98**	s.u.	1	0.00

Sample: 104789 - RW1

Analysis:	SO4 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	30647	Date Analyzed:	2006-10-04	Analyzed By:	WB
Prep Batch:	26703	Sample Preparation:	2006-10-03	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**52.2**	mg/L	5	0.500

Sample: 104789 - RW1

Analysis:	TDS	Analytical Method:	E 160.1	Prep Method:	N/A
QC Batch:	30720	Date Analyzed:	2006-10-06	Analyzed By:	AR
Prep Batch:	26755	Sample Preparation:	2006-10-06	Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**687**	mg/L	1	10.0

Method Blank (1) QC Batch: 30571

QC Batch:	30571	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26626	QC Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		4.37	µMHOS/cm	0

Method Blank (1) QC Batch: 30572

QC Batch:	30572	Date Analyzed:	2006-10-02	Analyzed By:	AR
Prep Batch:	26627	QC Preparation:	2006-10-02	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		5.34	µMHOS/cm	0

Method Blank (1) QC Batch: 30592

QC Batch: 30592 | Date Analyzed: 2006-10-02 | Analyzed By: LO
Prep Batch: 26648 | QC Preparation: 2006-10-02 | Prepared By: LO

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		0.00150	mg/L	0.001
Ethylbenzene		0.000200	mg/L	0.001
Xylene		0.00260	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0865	mg/L	1	0.100	86	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0829	mg/L	1	0.100	83	70 - 130

Method Blank (1) QC Batch: 30595

QC Batch: 30595 | Date Analyzed: 2006-10-02 | Analyzed By: LO
Prep Batch: 26648 | QC Preparation: 2006-10-02 | Prepared By: LO

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		0.000600	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		0.00250	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0848	mg/L	1	0.100	85	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0775	mg/L	1	0.100	78	70 - 130

Method Blank (1) QC Batch: 30646

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0181	mg/L	0.5

Method Blank (1) QC Batch: 30646

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

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

Method Blank (1) QC Batch: 30646

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 30647

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0181	mg/L	0.5

Method Blank (1) QC Batch: 30647

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

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

Method Blank (1) QC Batch: 30647

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 30675

QC Batch: 30675 | Date Analyzed: 2006-10-05 | Analyzed By: LO
Prep Batch: 26721 | QC Preparation: 2006-10-04 | Prepared By: LO

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.000200	mg/L	0.001
Toluene		0.000500	mg/L	0.001
Ethylbenzene		<0.000200	mg/L	0.001
Xylene		0.00260	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0967	mg/L	1	0.100	97	70 - 130
4-Bromofluorobenzene (4-BFB)		0.0891	mg/L	1	0.100	89	70 - 130

Method Blank (1) QC Batch: 30719

QC Batch: 30719 | Date Analyzed: 2006-10-06 | Analyzed By: AR
Prep Batch: 26754 | QC Preparation: 2006-10-04 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<10.0	mg/L	10

Method Blank (1) QC Batch: 30720

QC Batch: 30720 | Date Analyzed: 2006-10-06 | Analyzed By: AR
Prep Batch: 26755 | QC Preparation: 2006-10-04 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<10.0	mg/L	10

Method Blank (1) QC Batch: 30721

QC Batch: 30721 | Date Analyzed: 2006-10-05 | Analyzed By: JS
Prep Batch: 26757 | QC Preparation: 2006-10-05 | Prepared By: JS

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

Method Blank (1) QC Batch: 30723

QC Batch: 30723 | Date Analyzed: 2006-10-05 | Analyzed By: JS
Prep Batch: 26758 | QC Preparation: 2006-10-05 | Prepared By: JS

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

Method Blank (1) QC Batch: 30806

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP
Prep Batch: 26785 QC Preparation: 2006-10-06 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<0.108	mg/L	0.5

Method Blank (1) QC Batch: 30806

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP
Prep Batch: 26785 QC Preparation: 2006-10-06 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Potassium		<0.331	mg/L	0.5

Method Blank (1) QC Batch: 30806

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP
Prep Batch: 26785 QC Preparation: 2006-10-06 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Magnesium		<0.248	mg/L	0.5

Method Blank (1) QC Batch: 30806

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP
Prep Batch: 26785 QC Preparation: 2006-10-06 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<0.0640	mg/L	0.5

Method Blank (1) QC Batch: 30807

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP
Prep Batch: 26785 QC Preparation: 2006-10-06 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Calcium		<0.108	mg/L	0.5

Method Blank (1) QC Batch: 30807

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Potassium		<0.331	mg/L	0.5

Method Blank (1) QC Batch: 30807

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Magnesium		<0.248	mg/L	0.5

Method Blank (1) QC Batch: 30807

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<0.0640	mg/L	0.5

Duplicates (1)

QC Batch: 30548 | Date Analyzed: 2006-09-30 | Analyzed By: AR
Prep Batch: 26607 | QC Preparation: 2006-09-30 | Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.28	7.33	s.u.	1	1	0.3

Duplicates (1)

QC Batch: 30563 | Date Analyzed: 2006-09-30 | Analyzed By: AR
Prep Batch: 26607 | QC Preparation: 2006-09-30 | Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.25	7.27	s.u.	1	0	0.3

Duplicates (1)

QC Batch: 30571 Date Analyzed: 2006-10-02 Analyzed By: AR
Prep Batch: 26626 QC Preparation: 2006-10-02 Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	769	764	µMHOS/cm	1	1	1.4

Duplicates (1)

QC Batch: 30572 Date Analyzed: 2006-10-02 Analyzed By: AR
Prep Batch: 26627 QC Preparation: 2006-10-02 Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	679	674	µMHOS/cm	1	1	1.4

Duplicates (1)

QC Batch: 30719 Date Analyzed: 2006-10-06 Analyzed By: AR
Prep Batch: 26754 QC Preparation: 2006-10-04 Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	471	466	mg/L	1	1	20

Duplicates (1)

QC Batch: 30720 Date Analyzed: 2006-10-06 Analyzed By: AR
Prep Batch: 26755 QC Preparation: 2006-10-04 Prepared By: AR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	697	687	mg/L	1	1	20

Duplicates (1)

QC Batch: 30721 Date Analyzed: 2006-10-05 Analyzed By: JS
Prep Batch: 26757 QC Preparation: 2006-10-05 Prepared By: JS

continued . . .

duplicate continued . . .

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	206	206	mg/L as CaCo3	1	0	20
Total Alkalinity	206	206	mg/L as CaCo3	1	0	5.1

Duplicates (1)

QC Batch: 30723 | Date Analyzed: 2006-10-05 | Analyzed By: JS
Prep Batch: 26758 | QC Preparation: 2006-10-05 | Prepared By: JS

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	236	222	mg/L as CaCo3	1	6	20
Total Alkalinity	236	222	mg/L as CaCo3	1	6	5.1

Laboratory Control Spike (LCS-1)

QC Batch: 30592 | Date Analyzed: 2006-10-02 | Analyzed By: LO
Prep Batch: 26648 | QC Preparation: 2006-10-02 | Prepared By: LO

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0955	mg/L	1	0.100	<0.000200	96	70 - 130
Toluene	0.0954	mg/L	1	0.100	<0.000100	95	70 - 130
Ethylbenzene	0.0939	mg/L	1	0.100	<0.000200	94	70 - 130
Xylene	0.290	mg/L	1	0.300	<0.000400	97	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0965	mg/L	1	0.100	<0.000200	96	70 - 130	1	20
Toluene	0.0963	mg/L	1	0.100	<0.000100	96	70 - 130	1	20
Ethylbenzene	0.0952	mg/L	1	0.100	<0.000200	95	70 - 130	1	20
Xylene	0.294	mg/L	1	0.300	<0.000400	98	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0864	0.0865	mg/L	1	0.100	86	86	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0883	0.0879	mg/L	1	0.100	88	88	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 30595 | Date Analyzed: 2006-10-02 | Analyzed By: LO
Prep Batch: 26648 | QC Preparation: 2006-10-02 | Prepared By: LO

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.0910	mg/L	1	0.100	<0.000200	91	70 - 130
Toluene	0.0901	mg/L	1	0.100	<0.000100	90	70 - 130
Ethylbenzene	0.0906	mg/L	1	0.100	<0.000200	91	70 - 130
Xylene	0.282	mg/L	1	0.300	<0.000400	94	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.0917	mg/L	1	0.100	<0.000200	92	70 - 130	1	20
Toluene	0.0915	mg/L	1	0.100	<0.000100	92	70 - 130	2	20
Ethylbenzene	0.0910	mg/L	1	0.100	<0.000200	91	70 - 130	0	20
Xylene	0.281	mg/L	1	0.300	<0.000400	94	70 - 130	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0853	0.0853	mg/L	1	0.100	85	85	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0850	0.0851	mg/L	1	0.100	85	85	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.4	mg/L	1	12.5	<0.0181	108	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.8	mg/L	1	12.5	<0.0181	102	90 - 110	5	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.61	mg/L	1	2.50	<0.0119	104	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.41	mg/L	1	2.50	<0.0119	96	90 - 110	8	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11.8	mg/L	1	12.5	<0.0485	94	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11.6	mg/L	1	12.5	<0.0485	93	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.4	mg/L	1	12.5	<0.0181	107	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	13.4	mg/L	1	12.5	<0.0181	107	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.58	mg/L	1	2.50	<0.0119	103	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.62	mg/L	1	2.50	<0.0119	105	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11.6	mg/L	1	12.5	<0.0485	93	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11.7	mg/L	1	12.5	<0.0485	94	90 - 110	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30675 | Date Analyzed: 2006-10-05 | Analyzed By: LO
Prep Batch: 26721 | QC Preparation: 2006-10-04 | Prepared By: LO

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.104	mg/L	1	0.100	<0.000200	104	70 - 130
Toluene	0.102	mg/L	1	0.100	<0.000100	102	70 - 130
Ethylbenzene	0.0995	mg/L	1	0.100	<0.000200	100	70 - 130
Xylene	0.312	mg/L	1	0.300	<0.000400	104	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.105	mg/L	1	0.100	<0.000200	105	70 - 130	1	20
Toluene	0.103	mg/L	1	0.100	<0.000100	103	70 - 130	1	20
Ethylbenzene	0.100	mg/L	1	0.100	<0.000200	100	70 - 130	0	20
Xylene	0.315	mg/L	1	0.300	<0.000400	105	70 - 130	1	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0988	0.0975	mg/L	1	0.100	99	98	70 - 130
4-Bromofluorobenzene (4-BFB)	0.101	0.0998	mg/L	1	0.100	101	100	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 30806 | Date Analyzed: 2006-10-10 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	51.4	mg/L	1	50.0	<0.108	103	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	50.1	mg/L	1	50.0	<0.108	100	85 - 115	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30806 | Date Analyzed: 2006-10-10 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	50.1	mg/L	1	50.0	<0.331	100	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	48.9	mg/L	1	50.0	<0.331	98	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30806 | Date Analyzed: 2006-10-10 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	51.2	mg/L	1	50.0	<0.248	102	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	50.2	mg/L	1	50.0	<0.248	100	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30806 | Date Analyzed: 2006-10-10 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	49.8	mg/L	1	50.0	<0.0640	100	89.8 - 109

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	49.2	mg/L	1	50.0	<0.0640	98	89.8 - 109	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	51.4	mg/L	1	50.0	<0.108	103	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	50.1	mg/L	1	50.0	<0.108	100	85 - 115	3	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	50.1	mg/L	1	50.0	<0.331	100	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	48.9	mg/L	1	50.0	<0.331	98	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	51.2	mg/L	1	50.0	<0.248	102	85 - 115

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	50.2	mg/L	1	50.0	<0.248	100	85 - 115	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	49.8	mg/L	1	50.0	<0.0640	100	89.8 - 109

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	49.2	mg/L	1	50.0	<0.0640	98	89.8 - 109	1	20

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

Matrix Spike (MS-1) Spiked Sample: 104788

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	114	mg/L	5	62.5	35.6	125	25.4 - 171

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	108	mg/L	5	62.5	35.6	116	25.4 - 171	5	20

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

Matrix Spike (MS-1) Spiked Sample: 104788

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	13.0	mg/L	5	12.5	1.18	94	73.4 - 119

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	12.8	mg/L	5	12.5	1.18	93	73.4 - 119	2	20

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

Matrix Spike (MS-1) Spiked Sample: 104788

QC Batch: 30646 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26702 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	136	mg/L	5	62.5	78.1	93	10 - 200

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	138	mg/L	5	62.5	78.1	96	10 - 200	1	20

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

Matrix Spike (MS-1) Spiked Sample: 104888

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	120	mg/L	5	62.5	43.5	122	25.4 - 171

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	117	mg/L	5	62.5	43.5	118	25.4 - 171	2	20

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

Matrix Spike (MS-1) Spiked Sample: 104888

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	13.6	mg/L	5	12.5	1.57	96	73.4 - 119

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	13.2	mg/L	5	12.5	1.57	93	73.4 - 119	3	20

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

Matrix Spike (MS-1) Spiked Sample: 104888

QC Batch: 30647 | Date Analyzed: 2006-10-04 | Analyzed By: WB
Prep Batch: 26703 | QC Preparation: 2006-10-03 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	90.3	mg/L	5	62.5	28.9	98	10 - 200

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	85.4	mg/L	5	62.5	28.9	90	10 - 200	6	20

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

Matrix Spike (MS-1) Spiked Sample: 104780

QC Batch: 30806 | Date Analyzed: 2006-10-10 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	155	mg/L	1	50.0	105	100	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	153	mg/L	1	50.0	105	96	75 - 125	1	20

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

Matrix Spike (MS-1) Spiked Sample: 104780

QC Batch: 30806 | Date Analyzed: 2006-10-10 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	53.3	mg/L	1	50.0	3.81	99	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	53.2	mg/L	1	50.0	3.81	99	75 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 104780

QC Batch: 30806 | Date Analyzed: 2006-10-10 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	57.6	mg/L	1	50.0	8.26	99	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	57.3	mg/L	1	50.0	8.26	98	75 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 104780

QC Batch: 30806 | Date Analyzed: 2006-10-10 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	85.8	mg/L	1	50.0	35.9	100	78.2 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	85.4	mg/L	1	50.0	35.9	99	78.2 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 104788

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Calcium	169	mg/L	1	50.0	117	104	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Calcium	167	mg/L	1	50.0	117	100	75 - 125	1	20

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

Matrix Spike (MS-1) Spiked Sample: 104788

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Potassium	53.3	mg/L	1	50.0	3.54	100	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Potassium	53.3	mg/L	1	50.0	3.54	100	75 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 104788

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Magnesium	59.6	mg/L	1	50.0	9.86	99	75 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Magnesium	59.7	mg/L	1	50.0	9.86	100	75 - 125	0	20

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

Matrix Spike (MS-1) Spiked Sample: 104788

QC Batch: 30807 | Date Analyzed: 2006-10-09 | Analyzed By: TP
Prep Batch: 26785 | QC Preparation: 2006-10-06 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	88.1	mg/L	1	50.0	36.2	104	78.2 - 125

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	87.2	mg/L	1	50.0	36.2	102	78.2 - 125	1	20

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

Standard (ICV-1)

QC Batch: 30548 | Date Analyzed: 2006-09-30 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.88	98	98 - 102	2006-09-30

Standard (CCV-1)

QC Batch: 30548 | Date Analyzed: 2006-09-30 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.98	100	98 - 102	2006-09-30

Standard (ICV-1)

QC Batch: 30563 | Date Analyzed: 2006-09-30 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.90	98	98 - 102	2006-09-30

Standard (CCV-1)

QC Batch: 30563 | Date Analyzed: 2006-09-30 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.91	99	98 - 102	2006-09-30

Standard (ICV-1)

QC Batch: 30571 Date Analyzed: 2006-10-02 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1390	99	90 - 110	2006-10-02

Standard (CCV-1)

QC Batch: 30571 Date Analyzed: 2006-10-02 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1380	98	90 - 110	2006-10-02

Standard (ICV-1)

QC Batch: 30572 Date Analyzed: 2006-10-02 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1360	96	90 - 110	2006-10-02

Standard (CCV-1)

QC Batch: 30572 Date Analyzed: 2006-10-02 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1350	96	90 - 110	2006-10-02

Standard (ICV-1)

QC Batch: 30592 Date Analyzed: 2006-10-02 Analyzed By: LO

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0975	98	85 - 115	2006-10-02
Toluene		mg/L	0.100	0.102	102	85 - 115	2006-10-02
Ethylbenzene		mg/L	0.100	0.0963	96	85 - 115	2006-10-02

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Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/L	0.300	0.300	100	85 - 115	2006-10-02

Standard (CCV-1)

QC Batch: 30592 Date Analyzed: 2006-10-02 Analyzed By: LO

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0951	95	85 - 115	2006-10-02
Toluene		mg/L	0.100	0.0942	94	85 - 115	2006-10-02
Ethylbenzene		mg/L	0.100	0.0934	93	85 - 115	2006-10-02
Xylene		mg/L	0.300	0.289	96	85 - 115	2006-10-02

Standard (ICV-1)

QC Batch: 30595 Date Analyzed: 2006-10-02 Analyzed By: LO

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0938	94	85 - 115	2006-10-02
Toluene		mg/L	0.100	0.0934	93	85 - 115	2006-10-02
Ethylbenzene		mg/L	0.100	0.0931	93	85 - 115	2006-10-02
Xylene		mg/L	0.300	0.288	96	85 - 115	2006-10-02

Standard (CCV-1)

QC Batch: 30595 Date Analyzed: 2006-10-02 Analyzed By: LO

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0918	92	85 - 115	2006-10-02
Toluene		mg/L	0.100	0.0913	91	85 - 115	2006-10-02
Ethylbenzene		mg/L	0.100	0.0913	91	85 - 115	2006-10-02
Xylene		mg/L	0.300	0.284	95	85 - 115	2006-10-02

Standard (ICV-1)

QC Batch: 30646 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.0	104	90 - 110	2006-10-04

Standard (ICV-1)

QC Batch: 30646 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.41	96	90 - 110	2006-10-04

Standard (ICV-1)

QC Batch: 30646 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.7	94	90 - 110	2006-10-04

Standard (CCV-1)

QC Batch: 30646 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.5	108	90 - 110	2006-10-04

Standard (CCV-1)

QC Batch: 30646 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.60	104	90 - 110	2006-10-04

Standard (CCV-1)

QC Batch: 30646 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.8	95	90 - 110	2006-10-04

Standard (ICV-1)

QC Batch: 30647 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.5	108	90 - 110	2006-10-04

Standard (ICV-1)

QC Batch: 30647 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.60	104	90 - 110	2006-10-04

Standard (ICV-1)

QC Batch: 30647 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.9	95	90 - 110	2006-10-04

Standard (CCV-1)

QC Batch: 30647 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2006-10-04

Standard (CCV-1)

QC Batch: 30647 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.40	96	90 - 110	2006-10-04

Standard (CCV-1)

QC Batch: 30647 Date Analyzed: 2006-10-04 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	11.6	93	90 - 110	2006-10-04

Standard (ICV-1)

QC Batch: 30675 Date Analyzed: 2006-10-05 Analyzed By: LO

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.106	106	85 - 115	2006-10-05
Toluene		mg/L	0.100	0.104	104	85 - 115	2006-10-05
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2006-10-05
Xylene		mg/L	0.300	0.321	107	85 - 115	2006-10-05

Standard (CCV-1)

QC Batch: 30675 Date Analyzed: 2006-10-05 Analyzed By: LO

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.106	106	85 - 115	2006-10-05
Toluene		mg/L	0.100	0.103	103	85 - 115	2006-10-05
Ethylbenzene		mg/L	0.100	0.100	100	85 - 115	2006-10-05
Xylene		mg/L	0.300	0.315	105	85 - 115	2006-10-05

Standard (ICV-1)

QC Batch: 30719 Date Analyzed: 2006-10-06 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	978	98	90 - 110	2006-10-06

Standard (CCV-1)

QC Batch: 30719 Date Analyzed: 2006-10-06 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	975	98	90 - 110	2006-10-06

Standard (ICV-1)

QC Batch: 30720 Date Analyzed: 2006-10-06 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	975	98	90 - 110	2006-10-06

Standard (CCV-1)

QC Batch: 30720 Date Analyzed: 2006-10-06 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	990	99	90 - 110	2006-10-06

Standard (ICV-1)

QC Batch: 30721 Date Analyzed: 2006-10-05 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	-	2006-10-05

Standard (CCV-1)

QC Batch: 30721 Date Analyzed: 2006-10-05 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	-	2006-10-05

Standard (ICV-1)

QC Batch: 30723 Date Analyzed: 2006-10-05 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	-	2006-10-05

Standard (CCV-1)

QC Batch: 30723 Date Analyzed: 2006-10-05 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	246	98	-	2006-10-05

Standard (ICV-1)

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	50.6	101	95 - 105	2006-10-10

Standard (ICV-1)

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/L	50.0	50.3	101	95 - 105	2006-10-10

Standard (ICV-1)

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/L	50.0	50.6	101	95 - 105	2006-10-10

Standard (ICV-1)

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	50.0	100	95 - 105	2006-10-10

Standard (CCV-1)

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	48.9	98	90 - 110	2006-10-10

Standard (CCV-1)

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/L	50.0	47.2	94	90 - 110	2006-10-10

Standard (CCV-1)

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/L	50.0	48.9	98	90 - 110	2006-10-10

Standard (CCV-1)

QC Batch: 30806 Date Analyzed: 2006-10-10 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	47.0	94	90 - 110	2006-10-10

Standard (ICV-1)

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	50.6	101	95 - 105	2006-10-09

Standard (ICV-1)

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/L	50.0	50.3	101	95 - 105	2006-10-09

Standard (ICV-1)

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/L	50.0	50.6	101	95 - 105	2006-10-09

Standard (ICV-1)

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	50.0	100	95 - 105	2006-10-09

Standard (CCV-1)

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Calcium		mg/L	50.0	50.0	100	90 - 110	2006-10-09

Standard (CCV-1)

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Potassium		mg/L	50.0	48.0	96	90 - 110	2006-10-09

Standard (CCV-1)

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Magnesium		mg/L	50.0	49.8	100	90 - 110	2006-10-09

Standard (CCV-1)

QC Batch: 30807 Date Analyzed: 2006-10-09 Analyzed By: TP

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	48.4	97	90 - 110	2006-10-09

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296
email: lab@traceanalysis.com

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6100201

Company Name: ~~[illegible]~~ Nova
Phone #: 432-520-7720
Address: (Street, City, Zip) 2057 Commerce
Fax #: 432-520-7701
Contact Person: Curt Stanley
E-mail:
Invoice to: (If different from above) Plains
Project #: SRS-2005-00138
Project Name: 34 Junction South
Project Location (including state): SW of Lovington, NM
Sampler Signature: [signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624; BTEX 8021B / 602 / 8260B / 624; TPH 418.1 / TX1005 / TX1005 Ext(C35); TPH 8015 GRO / DRO / TVHC; PAH 8270C / 625; Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7; TCLP Metals Ag As Ba Cd Cr Pb Se Hg; TCLP Volatiles; TCLP Semi Volatiles; TCLP Pesticides; RCI; GC/MS Vol. 8260B / 624; GC/MS Semi. Vol. 8270C / 625; PCB's 8082 / 608; Pesticides 8081A / 608; BOD, TSS, pH; Moisture Content; EPA 200.7 (sodium calcium magnesium potassium); EPA 300 (Chloride Fluoride Sulfate); EPA 310.1 SM2320B Alkalinity; EPA 120.1 Conductivity; EPA 150.1 pH; EPA 160.1 SM2540C TDS; Turn Around Time if different from standard; Hold

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME	EPA 200.7	EPA 300	EPA 310.1	EPA 120.1	EPA 150.1	EPA 160.1
104779	MW6	2	1 liter	X								X		9-29-06	1400	X	X	X	X	X	X
780	MW1	↓	↓	↓								↓		↓	1500	↓	↓	↓	↓	↓	↓
781	MW2	↓	↓	↓								↓		↓	1600	↓	↓	↓	↓	↓	↓
782	MW7	↓	↓	↓								↓		↓	1700	↓	↓	↓	↓	↓	↓
783	MW5	↓	↓	↓								↓		↓	1800	↓	↓	↓	↓	↓	↓
784	MW10	↓	↓	↓								↓		↓	1900	↓	↓	↓	↓	↓	↓
785	MW4	↓	↓	↓								↓		↓	2000	↓	↓	↓	↓	↓	↓
786	MW8	↓	↓	↓								↓		↓	2100	↓	↓	↓	↓	↓	↓
787	MW9	↓	↓	↓								↓		↓	2230	↓	↓	↓	↓	↓	↓
788	MW3	↓	↓	↓								↓		↓	2200	↓	↓	↓	↓	↓	↓
789	RW1	↓	↓	↓								↓		↓	2300	↓	↓	↓	↓	↓	↓

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
[signature]	930	115	[signature] ~~ARD~~	9/30 ~~9-30-06~~	~~AR~~ 245
[signature]	9/30	2:15	[signature]	9-30-06	0905
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:

LAB USE ONLY
Intact Y N
Headspace Y N
Temp 4
Log-in Review [initials]

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

Carrier # Carry In

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

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6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296
email: lab@traceanalysis.com

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 6100201

Company Name: Nova
Phone #: 432-520-7720
Address: (Street, City, Zip) 2057 Commerce
Fax #: 432-520-7701
Contact Person: Curt Stanley
E-mail:
Invoice to: (If different from above) Plains
Project #: 2005-00138
Project Name: 34 Junction South
Project Location (including state):
Sampler Signature:

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
104779	MW 6	2	VOA	X				X				X			1400
780	MW 1														1500
781	MW 2														1600
782	MW 7														1700
783	MW 5														1800
784	MW 10														1900
785	MW 4														2000
786	MW 8														2100
787	MW 9														2230
788	MW 3														2200
789	RW 1														2300

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

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	9-30-06	1115	Todd Choat	9/30	845
Todd Choat	9/30	845	Alan	9-30-06	905
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:

LAB USE ONLY
Intact Y / N
Headspace Y / N
Temp 4°
Log-in-Review

REMARKS:

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

Carrier # Carry In

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

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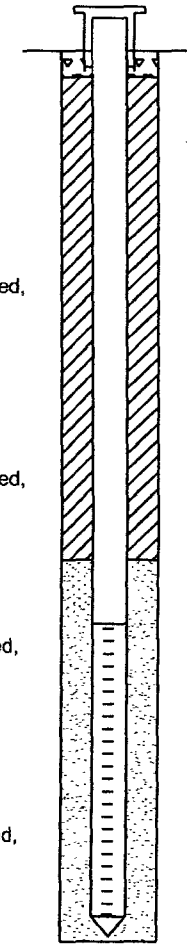
Appendix B
Well Boring Logs

Recovery Well RW-01

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0				
5	781	Heavy	None	Caliche Backfill, damp
10	750	Heavy	None	
15	744	Heavy	None	
20	692	Heavy	None	Sand, light brown, very fine grained, well sorted, damp, imbedded with caliche
25	708	Heavy	None	
30	222	Moderate	None	
35	738	Moderate	None	Sand, light brown, very fine grained, well sorted, dry, imbedded with caliche
40	412	Moderate	None	
45	381	Moderate	None	Sand, red-brown, very fine grained, well sorted, dry
50	482	Moderate	None	
55	865	Moderate	Moderate	
60	379	Moderate	PSH	Sand, red-brown, very fine grained, well sorted, wet, sheen
65				
70				TD



Recovery Well Details

Date Drilled	September 19, 2005
Thickness of Bentonite Seal	38 ft
Length of PVC Well Screen	25 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates samples selected for laboratory analysis.

Indicates the groundwater level measured on date of initial gauging event.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The recovery well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Recovery Well Details

Recovery Well - 01

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

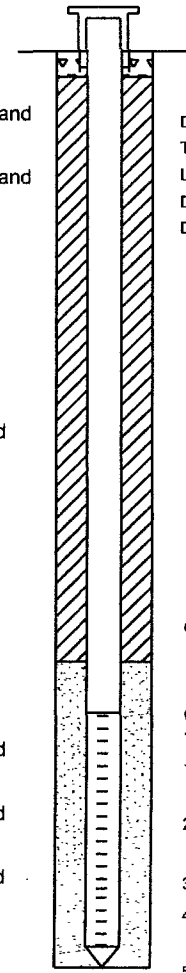
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: cds	Checked By: CS
October 20, 2006		

Monitor Well MW-01

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0 - 5	0.7	None	None	Sand, light brown, very fine grain, well sorted and imbedded with caliche nodules.
5 - 10	0.4	None	None	Sand, light brown, very fine grain, well sorted and imbedded with caliche nodules.
10 - 15	0.6	None	None	Caliche layer at 12 - 18'.
15 - 20	1.8	None	None	Sand, red to brown, very fine grain and well sorted.
20 - 25	1.4	None	None	Sand, red to brown, very fine grain and well sorted.
25 - 30	1.1	None	None	Sand, red to brown, very fine grain, well sorted and caliche layer at 29 - 30'.
30 - 35	0.8	None	None	Sand, red to brown, very fine grain and well sorted.
35 - 40	0.8	None	None	Sand, red to brown, very fine grain and well sorted.
40 - 45	0.5	None	None	Sand, red to brown, very fine grain and well sorted.
45 - 50	0.4	None	None	Sand, red to brown, very fine grain and well sorted.
50 - 55	0.5	None	None	Sand, red to brown, very fine grain, well sorted and damp.
55 - 60	1.2	None	None	Sand, red to brown, very fine grain, well sorted and damp.
60 - 65	1.1			Sand, red to brown, very fine grain, well sorted and wet.
65 - 70				TD



Monitor Well Details

Date Drilled: October 17, 2005
Thickness of Bentonite Seal: 46 ft
Length of PVC Well Screen: 20 ft
Depth of PVC Well: 72 ft
Depth of Exploratory Well: 72 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates samples selected for laboratory analysis.
- Indicates the groundwater level measured on date of initial gauging event.
- PID: Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 01

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

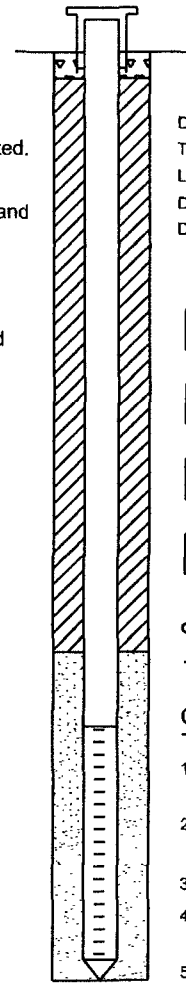
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
October 12, 2006		

Monitor Well MW-02

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0 - 5	0.6	None	None	Caliche layer.
5 - 10	0.6	None	None	Sand, light brown, very fine grain and well sorted.
10 - 15	0.4	None	None	Sand, light brown, very fine grain, well sorted and imbedded with caliche.
15 - 20	0.5	None	None	Sand, red to brown, very fine grain and well sorted.
20 - 25	0.4	None	None	Sand, red to brown, very fine grain, well sorted and caliche layer at 27 - 29'.
25 - 30	0.3	None	None	Sand, silt layer at 29 - 34'.
30 - 35	0.3	None	None	Sand, red to brown, very fine grain and well sorted.
35 - 40	0.3	None	None	Sand, red to brown, very fine grain and well sorted.
40 - 45	0.4	None	None	Sand, red to brown, very fine grain and well sorted.
45 - 50	0.4	None	None	Sand, red to brown, very fine grain and well sorted.
50 - 55	0.2	None	None	Sand, red to brown, very fine grain and well sorted.
55 - 60	0.2	None	None	Sand, red to brown, very fine grain and well sorted.
60 - 65				
65 - 70				
70 - TD				



Monitor Well Details

Date Drilled	October 17, 2005
Thickness of Bentonite Seal	45 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	73 ft
Depth of Exploratory Well	73 ft

- Grout Surface Seal
- *Bentonite Pellet Seal*
- Sand Pack
- Screen

- Indicates samples selected for laboratory analysis.
- Indicates the groundwater level measured on date of initial gauging event.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 02

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

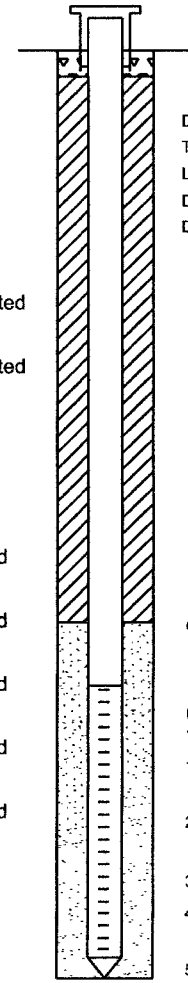
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
October 12, 2006		

Monitor Well MW-03

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0 - 5	862	Heavy	None	Caliche layer.
5 - 10	769	Heavy	None	Sand, white to brown, very fine grain and well sorted.
10 - 15	669	Heavy	None	Sand, white to brown, very fine grain and well sorted.
15 - 20	686	Heavy	None	Sand, white to brown, very fine grain, well sorted and damp.
20 - 25	928	Heavy	None	Sand, white to brown, very fine grain, well sorted and damp.
25 - 30	818	Heavy	None	Sand, silt layer at 27 - 34'.
30 - 35	392	Heavy	None	Sand, red to brown, very fine grain and well sorted.
35 - 40	509	Heavy	None	Sand, red to brown, very fine grain, well sorted and imbedded with sand silt nodules.
40 - 45	674	Heavy	None	Sand, red to brown, very fine grain, well sorted and damp.
45 - 50	637	Heavy	None	Sand, red to brown, very fine grain, well sorted and damp.
50 - 55	656	Heavy	None	Sand, red to brown, very fine grain, well sorted and damp.
55 - 60	94.7	Heavy	None	Sand, red to brown, very fine grain, well sorted and wet.
60 - 65				
65 - 70				
70 - TD				



Monitor Well Details

Date Drilled	October 18, 2005
Thickness of Bentonite Seal	43 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates samples selected for laboratory analysis.

Indicates the groundwater level measured on date of initial gauging event.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 03

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

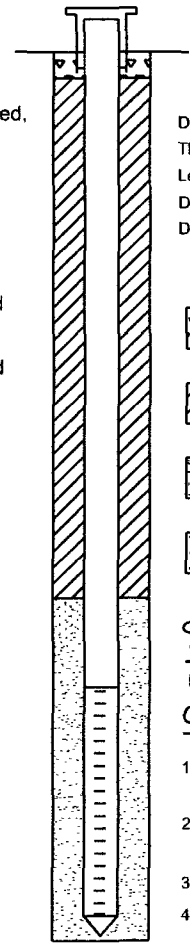
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
October 12, 2006		

Monitor Well MW-04

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
				Caliche layer at 4.5'.
5	0.3	None	None	Sand, white to brown, very fine grain, well sorted, damp and imbedded with caliche nodules.
10	0.8	None	None	Sand, red to brown, very fine grain and well sorted.
15	0.7	None	None	Sand, silt layer at 12 - 18'.
20	0.6	None	None	Sand, red to brown, very fine grain, well sorted and damp.
25	0.4	None	None	Sand, red to brown, very fine grain, well sorted and damp.
30	0.6	None	None	Caliche layer at 26 - 29'. Sand, silt layer at 29 - 33'.
35	0.5	None	None	Sand, red to brown, very fine grain and well sorted.
40	0.4	None	None	Sand, red to brown, very fine grain and well sorted.
45	0.4	None	None	Sand, red to brown, very fine grain and well sorted.
50	0.4	None	None	Sand, red to brown, very fine grain and well sorted.
55	0.2	None	None	Sand, red to brown, very fine grain and well sorted.
60	0.1	None	None	Sand, red to brown, very fine grain,well sorted and wet.
65				
70				TD



Monitor Well Details

Date Drilled	October 18, 2005
Thickness of Bentonite Seal	41 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates samples selected for laboratory analysis.

Indicates the groundwater level measured on date of initial gauging event.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 04

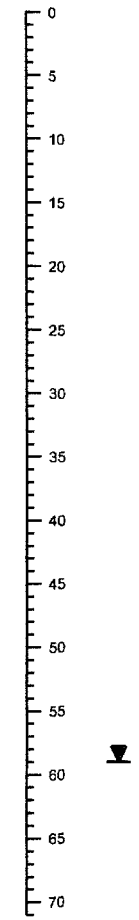
Plains Marketing, L.P. 34 Junction South Station Lea County, NM

NOVA safety and environmental

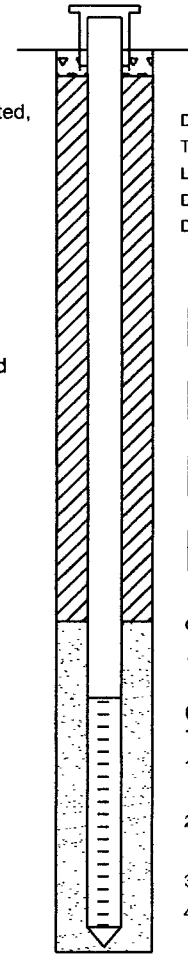
NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
October 12, 2006		

Monitor Well MW-05



Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
				Caliche layer at 4'.
5	0.8	None	None	Sand, white to brown, very fine grain, well sorted, damp and imbedded with caliche nodules.
10	0.6	None	None	Sand, silt layer at 6 - 18'.
15	1.1	None	None	Sand, red to brown, very fine grain and well sorted.
20	1.0	None	None	Sand, red to brown, very fine grain and well sorted.
25	2.3	None	None	Sand, red to brown, very fine grain, well sorted and damp.
30	1.6	None	None	Sand, red to brown, very fine grain and well sorted.
35	0.9	None	None	Sand, red to brown, very fine grain and well sorted.
40	1.1	None	None	Sand, red to brown, very fine grain and well sorted.
45	1.2	None	None	Sand, red to brown, very fine grain and well sorted.
50	1.1	None	None	Sand, red to brown, very fine grain and well sorted.
55	0.9	None	None	Sand, red to brown, very fine grain and well sorted.
60	0.3	None	None	Sand, red to brown, very fine grain,well sorted and wet.



Monitor Well Details

Date Drilled	October 18, 2005
Thickness of Bentonite Seal	43 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	71 ft
Depth of Exploratory Well	71 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates samples selected for laboratory analysis.

Indicates the groundwater level measured on date of initial gauging event.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 05

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

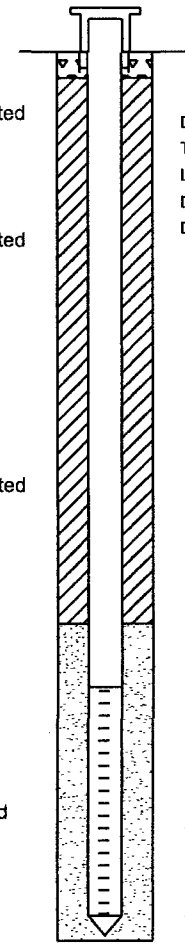
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
October 12, 2006		

Monitor Well MW-06

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0 - 5	0.1	None	None	Sand, white to brown, very fine grain, well sorted and imbedded with caliche nodules.
5 - 10	0.1	None	None	Caliche layer at 7 - 13'
10 - 15	0.1	None	None	Sand, white to brown, very fine grain, well sorted and imbedded with caliche.
15 - 20	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
20 - 25	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
25 - 30	0.1	None	None	Sand, white to brown, very fine grain and well sorted.
30 - 35	0.1	None	None	Sand, white to brown, very fine grain, well sorted and imbedded with sand silt nodules. Sand, silt layer at 37 - 39'.
35 - 40	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
40 - 45	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
45 - 50	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
50 - 55	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
55 - 60	0.1	None	None	Sand, red to brown, very fine grain, well sorted and wet.
60 - 65				
65 - 70				
TD				



Monitor Well Details

Date Drilled	February 28, 2006
Thickness of Bentonite Seal	43 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates samples selected for laboratory analysis.
- Indicates the groundwater level measured on date of initial gauging event.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 06

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

NOVA safety and environmental

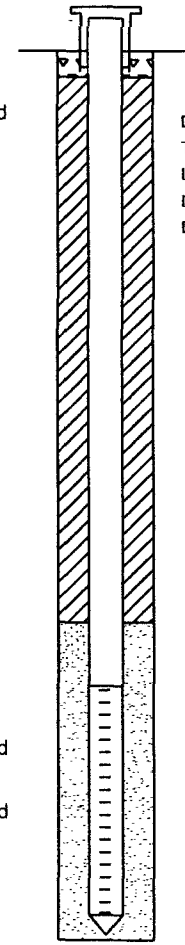
NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
October 12, 2006		

Monitor Well MW-07

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0 - 5	0.1	None	None	Sand, red to brown, very fine grain, well sorted and imbedded with caliche nodules.
5 - 10	0.1	None	None	Caliche layer at 6.5 - 13'
10 - 15	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
15 - 20	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
20 - 25	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
25 - 30	0.1	None	None	Sand, white to brown, very fine grain and well sorted.
30 - 35	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
35 - 40	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
40 - 45	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
45 - 50	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
50 - 55	0.1	None	None	Sand, red to brown, very fine grain, well sorted and damp.
55 - 60	0.1	None	None	Sand, red to brown, very fine grain, well sorted and wet.
60 - 65				
65 - 70				

TD



Monitor Well Details

Date Drilled	February 28, 2006
Thickness of Bentonite Seal	43 ft
Length of PVC Well Screen	20 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates samples selected for laboratory analysis.
- Indicates the groundwater level measured on date of initial gauging event.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. *The well is protected with a locked stick up steel cover and compression cap.*
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 07

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

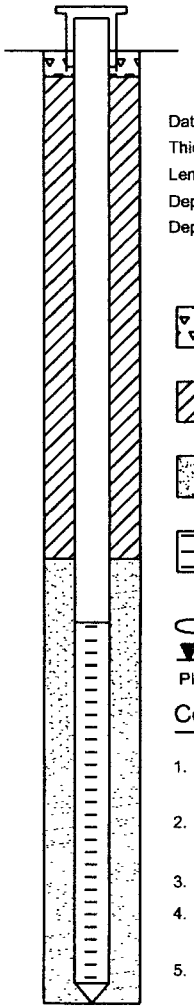
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
October 12, 2006		

Monitor Well MW-08

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0				
5	0.1	None	None	Sand, red to brown, very fine grain, well sorted and imbedded with caliche nodules.
10	0.1	None	None	Sand, red to brown, very fine grain, well sorted and imbedded with caliche nodules.
15	0.1	None	None	Sand, white to brown, very fine grain and well sorted.
20	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
25	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
				Sand, silt layer at 26 - 38'
30	0.1	None	None	Sand, white to brown, very fine grain and well sorted.
35	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
40	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
45	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
50	0.1	None	None	Sand, red to brown, very fine grain and well sorted.
55	0.1	None	None	Sand, red to brown, very fine grain, well sorted and damp.
60	0.1	None	None	Sand, red to brown, very fine grain, well sorted and wet.
65				
70				
75				TD



Monitor Well Details

Date Drilled	February 28, 2006
Thickness of Bentonite Seal	38 ft
Length of PVC Well Screen	30 ft
Depth of PVC Well	75 ft
Depth of Exploratory Well	75 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates samples selected for laboratory analysis.
- Indicates the groundwater level measured on date of initial gauging event.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 08

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

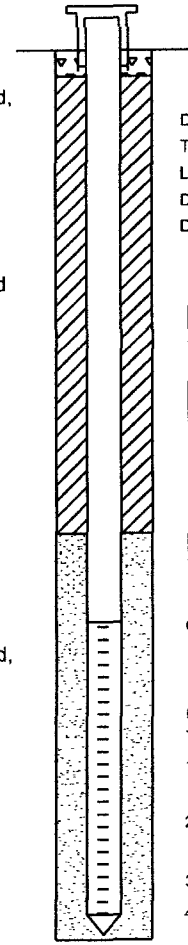
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: DGC	Checked By: CS
October 12, 2006		

Monitor Well MW-09

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0				
5	1.2	None	None	Sand, red-brown, very fine grained, well sorted, imbedded with caliche
10	17.5	None	None	
15	(1.5)	None	None	
20	15.6	None	None	Sand, red-brown, very fine grained, well sorted
25	14.9	None	None	
30	3.7	None	None	Caliche, grey, very hard, tite
35	(11.4)	None	None	
40	12.8	None	None	
45	0.2	None	None	
50	24.6	None	None	Sand, red-brown, very fine grained, well sorted, moist, tite - 30-32'
55	(525)	Heavy	None	
60	115	Moderate	None	
65	4.2			
70	TD 4.9			



Monitor Well Details

Date Drilled	September 13, 2006
Thickness of Bentonite Seal	36 ft
Length of PVC Well Screen	25 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

(1.5) Indicates samples selected for laboratory analysis.

Indicates the groundwater level measured on date of initial gauging event.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Boring Log And Monitor Well Details

Monitor Well - 09

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

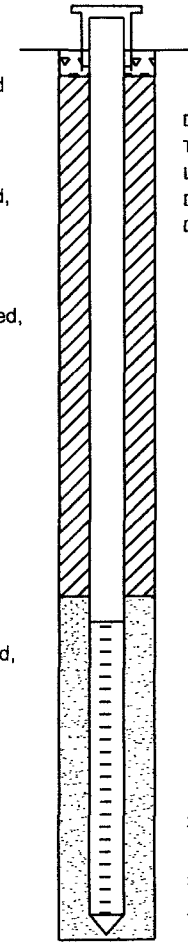
NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: cds	Checked By: CS
October 20, 2006		

Monitor Well MW-10

Depth (feet)	PID	Hydrocarbon Odor	Hydrocarbon Stain	Soil Description
0				
5	0.7	None	None	Sand, red-brown, medium grained, well sorted
10	1.2	None	None	
15	(2.1)	None	None	Sand, light brown, very fine grained, very hard, tite
20	1.5	None	None	
25	0.4	None	None	Sand, light brown, very fine grained, well sorted, moist
30	0.4	None	None	Caliche, grey, very hard, tite
35	(0.9)	None	None	
40	1.5	None	None	
45	1.6	None	None	
50	12.2	None	None	Sand, red-brown, very fine grained, well sorted, moist
55 ▼	(2.7)	Slight	None	
60	1.9	Slight	None	
65	1.0			
70 TD	1.1			



Monitor Well Details

Date Drilled	September 13, 2006
Thickness of Bentonite Seal	41 ft
Length of PVC Well Screen	25 ft
Depth of PVC Well	70 ft
Depth of Exploratory Well	70 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

(○) Indicates samples selected for laboratory analysis.

▼ Indicates the groundwater level measured on date of initial gauging event.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. *The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.*
3. The well is protected with a locked stick up steel cover and compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. *The depths indicated are referenced from the ground surface.*

Boring Log And Monitor Well Details

Monitor Well - 10

Plains Marketing, L.P. 34 Junction South Station Lea County, NM

NOVA safety and environmental

NOVA Safety and Environmental

Scale: NTS	CAD By: cds	Checked By: CS
October 20, 2006		

Appendix C
Release Notification and Corrective Action
(Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company Plains Marketing, LP	Contact Camille Reynolds
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 505-441-0965
Facility Name 34 Junction South Station	Facility Type Meter Facility

Surface Owner State Land Office	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	2	17S	36E					Lea

Latitude 32° 51'42.4" Longitude 103° 19'54.4"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 15 barrels	Volume Recovered .5 barrels
Source of Release Malfunction of check valve on air eliminator	Date and Hour of Occurrence 6-10-05 @ 07:00	Date and Hour of Discovery 6-10-05 @ 07:45
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Paul Sheely	
By Whom? Camille Reynolds	Date and Hour 6-10-05 @ 13:31	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Mechanical malfunction of check valve on air eliminator resulted in release. Isolated air eliminator off of metering system. The station produces approximately 100 barrels of sweet crude oil per day. The pressure on the line is <10 psi and the gravity on the sweet crude is 42.5, the H2S content is <10 ppm.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 1,620 square feet.

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

Signature: Camille Reynolds	OIL CONSERVATION DIVISION
Printed Name: Camille Reynolds	Approved by District Supervisor:
Title: Remediation Coordinator	Approval Date: / Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval: / Attached ☐
Date: 6-13-05 Phone:505-441-0965	

* Attach Additional Sheets If Necessary

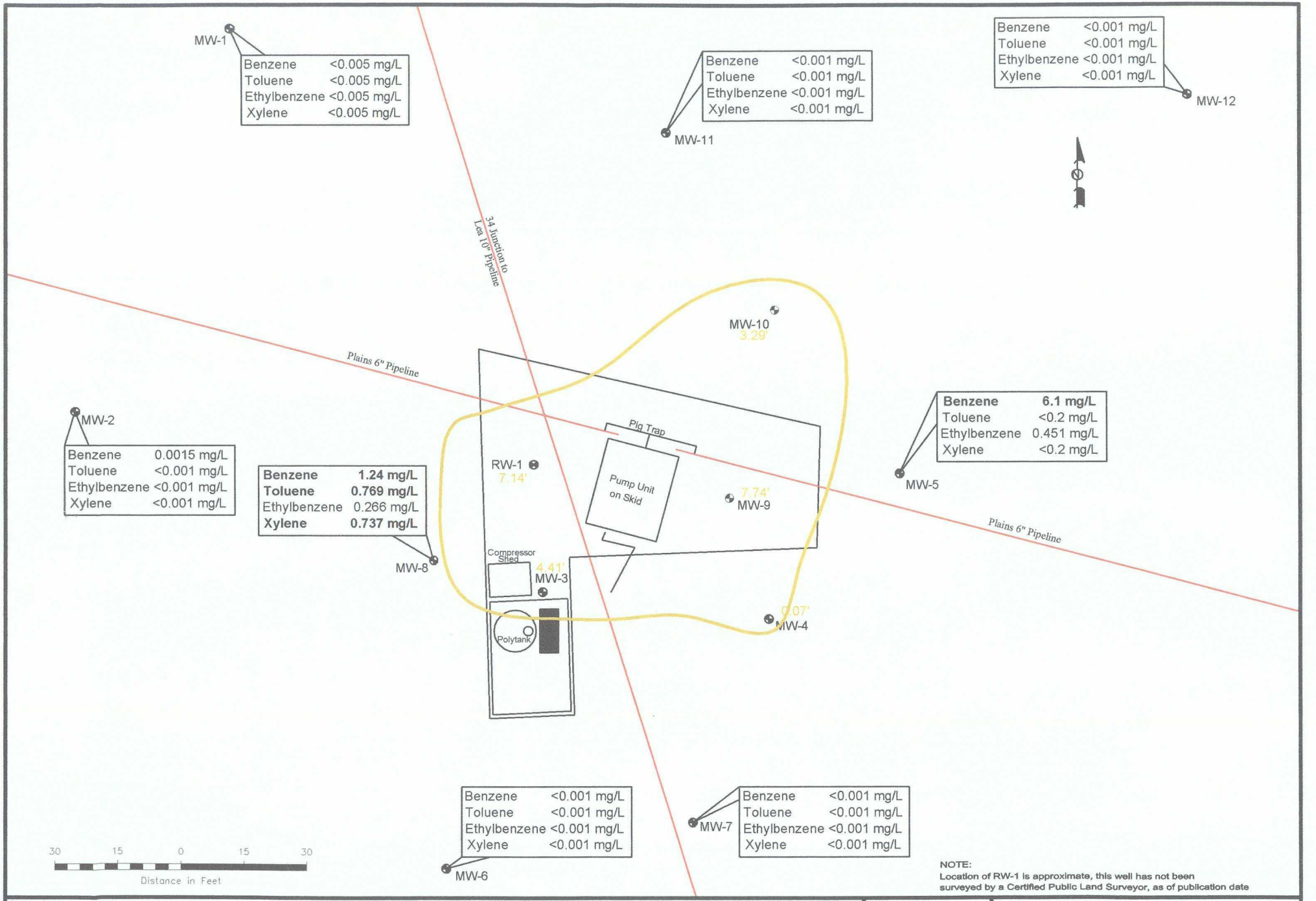


Figure 3D
Inferred PSH and Dissolved Phase Extent Map (11/12/07)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 30'	CAD By: DGC	Checked By: CDS
January 25, 2008		

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
JUNCTION 34 SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030				
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)
NMOCD REGULATORY LIMIT		**0.01**	**0.75**	**0.75**	**0.62**	
MW-1	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	<0.001	<0.001	<0.001	
	12/12/06	<0.001	<0.001	<0.001	<0.001	
	03/19/07	<0.001	<0.001	<0.001	<0.001	
	05/31/07	<0.001	<0.001	<0.001	<0.001	
	08/29/07	<0.001	<0.001	<0.001	<0.001	
	11/12/07	<0.005	<0.005	<0.005	<0.005	
MW-2	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	<0.001	<0.001	<0.001	
	12/12/06	<0.001	<0.001	<0.001	<0.001	
	03/19/07	<0.001	<0.001	<0.001	<0.001	
	05/31/07	<0.001	<0.001	<0.001	<0.001	
	08/29/07	<0.001	<0.001	<0.001	<0.001	
	11/12/07	0.0015	<0.001	<0.001	<0.001	
MW-3	10/25/05	Not Sampled Due to PSH in Well				
	03/29/06	Not Sampled Due to PSH in Well				
	06/12/06	Not Sampled Due to PSH in Well				
*	09/29/06	**4.85**	**4.42**	0.439	**1.55**	
	12/12/06	Not Sampled Due to PSH in Well				
	03/19/07	Not Sampled Due to PSH in Well				
	05/31/07	Not Sampled Due to PSH in Well				
	08/29/07	Not Sampled Due to PSH in Well				
	11/12/07	Not Sampled Due to PSH in Well				
MW-4	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	0.0092	0.0048	<0.001	0.0021	
	12/12/06	**0.415**	0.331	0.062	0.194	
	03/19/07	**2.49**	**1.86**	0.282	**0.95**	
	05/31/07	**6.27**	**3.8**	0.302	**0.981**	
	08/29/07	Not Sampled Due to PSH in Well				
	11/12/07	Not Sampled Due to PSH in Well				
MW-5	10/25/05	<0.001	<0.001	<0.001	<0.001	<0.001
	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	<0.001	<0.001	<0.001	
	12/12/06	<0.001	<0.001	<0.001	<0.001	
	03/19/07	**0.163**	<0.001	0.0359	0.0469	
	05/31/07	**2.39**	<0.02	0.155	0.275	
	08/29/07	**4.72**	<0.02	0.33	**0.635**	
	11/12/07	**6.1**	<0.2	0.451	<0.2	
MW-6	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
JUNCTION 34 SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030				
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62	
MW-6	09/29/06	<0.001	0.001	<0.001	0.0014	
	12/12/06	<0.001	0.001	<0.001	<0.001	
	03/19/07	<0.001	0.001	<0.001	<0.001	
	05/31/07	<0.001	0.001	<0.001	<0.001	
	08/29/07	<0.001	0.001	<0.001	<0.001	
	11/12/07	<0.001	0.001	<0.001	<0.001	
MW-7	03/29/06	<0.001	<0.001	<0.001	<0.001	<0.001
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001
	09/29/06	<0.001	<0.001	<0.001	<0.001	
	12/12/06	<0.001	<0.001	<0.001	<0.001	
	03/19/07	<0.001	<0.001	<0.001	<0.001	
	05/31/07	<0.001	<0.001	<0.001	<0.001	
	08/29/07	<0.005	<0.005	<0.005	<0.005	
	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW-8	03/29/06	**0.011**	0.008	0.003	0.006	<0.001
	06/13/06	**0.144**	0.345	0.084	0.199	0.079
	09/29/06	**0.0751**	0.125	0.0251	0.0927	
	12/12/06	Not Sampled Due to PSH in Well				
	03/19/07	Not Sampled Due to PSH in Well				
	05/31/07	Not Sampled Due to PSH in Well				
	08/29/07	Not Sampled Due to PSH in Well				
	11/12/07	**1.24**	**0.769**	0.266	**0.737**	
MW-9 *	09/29/06	**5.87**	**3.54**	**0.601**	**2.16**	
	12/12/06	Not Sampled Due to PSH in Well				
	03/19/07	Not Sampled Due to PSH in Well				
	05/31/07	Not Sampled Due to PSH in Well				
	08/29/07	Not Sampled Due to PSH in Well				
	11/12/07	Not Sampled Due to PSH in Well				
MW-10	09/29/06	**1.93**	**0.846**	**0.802**	0.228	
	12/12/06	**0.363**	0.0032	0.006	0.0151	
	03/19/07	**5.3**	**1.98**	0.401	**1.27**	
	05/31/07	Not Sampled Due to PSH in Well				
	08/29/07	Not Sampled Due to PSH in Well				
	11/12/07	Not Sampled Due to PSH in Well				
MW-11	12/12/06	<0.001	<0.001	<0.001	<0.001	
	03/19/07	<0.001	<0.001	<0.001	<0.001	
	05/31/07	<0.001	<0.001	<0.001	<0.001	
	08/29/07	<0.005	<0.005	<0.005	<0.005	
	11/12/07	<0.001	<0.001	<0.001	<0.001	
MW-12	12/12/06	<0.001	<0.001	<0.001	<0.001	
	03/19/07	<0.001	<0.001	<0.001	<0.001	
	05/31/07	<0.001	<0.001	<0.001	<0.001	
	08/29/07	<0.005	<0.005	<0.005	<0.005	
	11/12/07	<0.001	<0.001	<0.001	<0.001	
RW-1	10/25/05	Not Sampled Due to PSH in Well				

TABLE 2

CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
JUNCTION 34 SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

SAMPLE LOCATION	SAMPLE DATE	METHODS: EPA SW 846-8021B, 5030				
		BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL-BENZENE (mg/L)	M,P-XYLENES (mg/L)	O-XYLENES (mg/L)
NMOCD REGULATORY LIMIT		**0.01**	**0.75**	**0.75**	**0.62**	
RW-1	03/29/06	Not Sampled Due to PSH in Well				
	06/12/06	Not Sampled Due to PSH in Well				
*	09/29/06	**7.86**	**8.8**	**0.986**	**3.2**	
	12/12/06	Not Sampled Due to PSH in Well				
	03/19/07	Not Sampled Due to PSH in Well				
	05/31/07	Not Sampled Due to PSH in Well				
	08/29/07	Not Sampled Due to PSH in Well				
	11/12/07	Not Sampled Due to PSH in Well				

Bold indicates constituent exceeds NMOCD regulatory limits

* indicates well contained measurable thicknesses of PSH which was recovered before sampling

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	*10/25/05*	3,850.68	-	58.79	0.00	3,791.89
	08/25/06	3,850.68	-	59.10	0.00	3,791.58
	09/15/06	3,850.68	-	59.17	0.00	3,791.51
	09/27/06	3,850.68	sheen	59.11	0.00	3,791.57
	09/28/06	3,850.68	-	59.09	0.00	3,791.59
	10/06/06	3,850.68	-	59.09	0.00	3,791.59
	10/13/06	3,850.68	-	58.11	0.00	3,792.57
	11/03/06	3,850.68	-	59.11	0.00	3,791.57
	12/01/06	3,850.68	-	59.14	0.00	3,791.54
	12/08/06	3,850.68	-	59.16	0.00	3,791.52
	12/12/06	3,850.68	-	59.18	0.00	3,791.50
	12/15/06	3,850.68	-	59.18	0.00	3,791.50
	03/19/07	3,850.68	-	59.37	0.00	3,791.31
	05/31/07	3,850.68	-	59.41	0.00	3,791.27
	08/29/07	3,850.68	-	59.52	0.00	3,791.16
	11/12/07	3,850.68	-	59.65	0.00	3,791.03
MW - 2	*10/25/05*	3,850.67	-	58.32	0.00	3,792.35
	08/25/06	3,850.67	-	58.65	0.00	3,792.02
	09/15/06	3,850.67	-	58.75	0.00	3,791.92
	09/28/06	3,850.67	-	58.64	0.00	3,792.03
	10/06/06	3,850.67	-	58.64	0.00	3,792.03
	10/13/06	3,850.67	-	58.65	0.00	3,792.02
	11/03/06	3,850.67	-	58.69	0.00	3,791.98
	12/01/06	3,850.67	-	58.62	0.00	3,792.05
	12/08/06	3,850.67	-	58.70	0.00	3,791.97
	12/12/06	3,850.67	-	58.72	0.00	3,791.95
	12/15/06	3,850.67	-	58.73	0.00	3,791.94
	03/19/07	3,850.67	-	58.88	0.00	3,791.79
	05/31/07	3,850.67	-	58.96	0.00	3,791.71
	08/29/07	3,850.67	-	59.08	0.00	3,791.59
	11/12/07	3,850.67	-	59.18	0.00	3,791.49
MW-3	11/02/05	3,850.43	57.21	65.36	8.15	3,792.00
	11/09/05	3,850.43	57.22	65.38	8.16	3,791.99
	11/16/05	3,850.43	57.19	65.41	8.22	3,792.01
	11/23/05	3,850.43	57.18	65.56	8.38	3,791.99
	11/30/05	3,850.43	57.25	65.70	8.45	3,791.91
	12/08/05	3,850.43	57.20	65.35	8.15	3,792.01
	12/12/05	3,850.43	57.20	65.35	8.15	3,792.01
	12/20/05	3,850.43	57.20	65.30	8.10	3,792.02
	12/29/05	3,850.43	57.25	65.28	8.03	3,791.98
	01/03/06	3,850.43	57.25	65.20	7.95	3,791.99
	01/05/06	3,850.43	57.35	64.85	7.50	3,791.96
	01/06/06	3,850.43	57.52	64.05	6.53	3,791.93
	01/09/06	3,850.43	57.34	64.95	7.61	3,791.95
	01/12/06	3,850.43	57.32	64.93	7.61	3,791.97
	01/13/06	3,850.43	57.45	64.31	6.86	3,791.95
	01/16/06	3,850.43	57.35	64.82	7.47	3,791.96
	01/18/06	3,850.43	57.40	64.67	7.27	3,791.94
	01/20/06	3,850.43	57.34	64.71	7.37	3,791.98
	01/23/06	3,850.43	57.35	64.95	7.60	3,791.94
	01/25/06	3,850.43	57.28	64.68	7.40	3,792.04
	01/27/06	3,850.43	57.38	64.72	7.34	3,791.95
	01/30/06	3,850.43	57.37	64.79	7.42	3,791.95

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-3	02/01/06	3,850.43	57.35	64.95	7.60	3,791.94
	02/03/06	3,850.43	57.42	64.68	7.26	3,791.92
	02/06/06	3,850.43	57.40	64.78	7.38	3,791.92
	02/13/06	3,850.43	57.38	64.89	7.51	3,791.92
	02/16/06	3,850.43	57.41	64.79	7.38	3,791.91
	02/21/06	3,850.43	57.41	64.85	7.44	3,791.90
	02/23/06	3,850.43	57.42	64.79	7.37	3,791.90
	02/27/06	3,850.43	57.41	64.86	7.45	3,791.90
	03/02/06	3,850.43	57.42	64.73	7.31	3,791.91
	03/03/06	3,850.43	57.74	63.35	5.61	3,791.85
	03/06/06	3,850.43	57.46	64.60	7.14	3,791.90
	03/07/06	3,850.43	57.63	63.84	6.21	3,791.87
	03/10/06	3,850.43	57.48	64.59	7.11	3,791.88
	03/15/06	3,850.43	57.46	64.59	7.13	3,791.90
	03/20/06	3,850.43	57.43	64.82	7.39	3,791.89
	03/24/06	3,850.43	57.44	64.71	7.27	3,791.90
	03/27/06	3,850.43	57.49	64.61	7.12	3,791.87
	03/29/06	3,850.43	57.52	64.48	6.96	3,791.87
	03/31/06	3,850.43	57.50	64.58	7.08	3,791.87
	04/03/06	3,850.43	57.49	64.52	7.03	3,791.89
	04/05/06	3,850.43	57.46	64.77	7.31	3,791.87
	04/07/06	3,850.43	57.46	64.79	7.33	3,791.87
	04/11/06	3,850.43	57.47	64.78	7.31	3,791.86
	04/13/06	3,850.43	57.52	64.53	7.01	3,791.86
	04/14/06	3,850.43	57.68	63.81	6.13	3,791.83
	04/17/06	3,850.43	57.51	64.74	7.23	3,791.84
	04/19/06	3,850.43	57.48	64.75	7.27	3,791.86
	04/24/06	3,850.43	57.51	64.71	7.20	3,791.84
	04/25/06	3,850.43	57.51	64.73	7.22	3,791.84
	05/01/06	3,850.43	57.50	64.79	7.29	3,791.84
	05/02/06	3,850.43	58.52	64.75	6.23	3,790.98
	05/05/06	3,850.43	57.54	64.74	7.20	3,791.81
	05/09/06	3,850.43	57.54	64.73	7.19	3,791.81
	05/10/06	3,850.43	57.57	64.75	7.18	3,791.78
	05/11/06	3,850.43	57.54	64.78	7.24	3,791.80
	05/15/06	3,850.43	57.53	64.79	7.26	3,791.81
	05/16/06	3,850.43	57.54	64.78	7.24	3,791.80
	05/18/06	3,850.43	57.54	64.79	7.25	3,791.80
	05/22/06	3,850.43	57.53	64.82	7.29	3,791.81
	05/24/06	3,850.43	57.58	64.55	6.97	3,791.80
	05/25/06	3,850.43	57.73	63.88	6.15	3,791.78
	05/30/06	3,850.43	57.54	64.76	7.22	3,791.81
	05/31/06	3,850.43	57.74	63.87	6.13	3,791.77
	06/02/06	3,850.43	57.70	64.07	6.37	3,791.77
	06/06/06	3,850.43	57.56	64.74	7.18	3,791.79
	06/08/06	3,850.43	57.60	64.58	6.98	3,791.78
	06/13/06	3,850.43	57.57	64.75	7.18	3,791.78
	06/15/06	3,850.43	57.62	64.59	6.97	3,791.76
	06/16/06	3,850.43	57.78	64.75	6.97	3,791.60
	06/19/06	3,850.43	57.46	64.77	7.31	3,791.87
	06/20/06	3,850.43	57.56	64.73	7.17	3,791.79
	06/21/06	3,850.43	57.57	64.84	7.27	3,791.77
	06/29/06	3,850.43	57.57	64.84	7.27	3,791.77
	06/30/06	3,850.43	57.57	64.84	7.27	3,791.77
	07/03/06	3,850.43	57.63	64.70	7.07	3,791.74

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-3	07/05/06	3,850.43	57.65	64.58	6.93	3,791.74
	07/07/06	3,850.43	57.66	65.02	7.36	3,791.67
	07/10/06	3,850.43	57.63	64.71	7.08	3,791.74
	07/11/06	3,850.43	57.62	64.82	7.20	3,791.73
	07/12/06	3,850.43	57.81	63.89	6.08	3,791.71
	07/14/06	3,850.43	57.68	64.50	6.82	3,791.73
	07/17/06	3,850.43	57.64	64.69	7.05	3,791.73
	07/19/06	3,850.43	57.69	64.53	6.84	3,791.71
	07/21/06	3,850.43	57.69	64.50	6.81	3,791.72
	07/24/06	3,850.43	57.65	64.70	7.05	3,791.72
	07/26/06	3,850.43	57.70	64.52	6.82	3,791.71
	07/28/06	3,850.43	57.71	64.50	6.79	3,791.70
	08/01/06	3,850.43	57.65	64.78	7.13	3,791.71
	08/02/06	3,850.43	57.95	63.38	5.43	3,791.67
	08/04/06	3,850.43	57.73	64.44	6.71	3,791.69
	08/07/06	3,850.43	57.69	64.70	7.01	3,791.69
	08/09/06	3,850.43	57.72	64.54	6.82	3,791.69
	08/10/06	3,850.43	57.73	64.50	6.77	3,791.68
	08/14/06	3,850.43	57.70	64.69	6.99	3,791.68
	08/17/06	3,850.43	57.71	64.72	7.01	3,791.67
	08/18/06	3,850.43	57.70	64.74	7.04	3,791.67
	10/25/05	3,850.43	57.45	63.87	6.42	3,792.02
	11/29/05	3,850.43	57.44	63.86	6.42	3,792.03
	12/29/05	3,850.43	57.25	65.28	8.03	3,791.98
	01/27/06	3,850.43	57.28	64.68	7.40	3,792.04
	02/28/06	3,850.43	57.38	64.72	7.34	3,791.95
	08/25/06	3,850.43	57.73	64.90	7.17	3,791.62
	09/14/06	3,850.43	57.59	65.13	7.54	3,791.71
	09/15/06	3,850.43	57.70	65.04	7.34	3,791.63
	09/18/06	3,850.43	57.56	59.28	1.72	3,792.61
	09/21/06	3,850.43	57.51	65.35	7.84	3,791.74
	09/26/06	3,850.43	57.46	65.50	8.04	3,791.76
	09/27/06	3,850.43	57.62	65.09	7.47	3,791.69
	09/28/06	3,850.43	57.66	64.31	6.65	3,791.77
	10/02/06	3,850.43	57.51	65.47	7.96	3,791.73
	10/04/06	3,850.43	57.52	65.43	7.91	3,791.72
	10/06/06	3,850.43	57.53	65.42	7.89	3,791.72
	10/09/06	3,850.43	57.52	65.57	8.05	3,791.70
	10/11/06	3,850.43	57.33	65.43	8.10	3,791.89
	10/16/06	3,850.43	57.56	65.49	7.93	3,791.68
	10/18/06	3,850.43	57.58	65.35	7.77	3,791.68
	10/20/06	3,850.43	57.59	65.34	7.75	3,791.68
	10/23/06	3,850.43	57.55	65.36	7.81	3,791.71
	10/25/06	3,850.43	57.61	65.36	7.75	3,791.66
	10/27/06	3,850.43	57.64	65.21	7.57	3,791.65
	10/30/06	3,850.43	57.59	61.53	3.94	3,792.25
	11/01/06	3,850.43	57.65	65.10	7.45	3,791.66
	11/03/06	3,850.43	57.66	65.05	7.39	3,791.66
	11/06/06	3,850.43	57.63	65.13	7.50	3,791.68
	11/08/06	3,850.43	57.63	65.23	7.60	3,791.66
	11/10/06	3,850.43	57.70	65.05	7.35	3,791.63
	11/13/06	3,850.43	57.65	65.10	7.45	3,791.66
	11/15/06	3,850.43	57.70	65.00	7.30	3,791.64
	11/17/06	3,850.43	57.69	65.15	7.46	3,791.62
	11/20/06	3,850.43	57.69	65.08	7.39	3,791.63

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-3	11/22/06	3,850.43	57.73	64.96	7.23	3,791.62
	11/27/06	3,850.43	57.68	65.12	7.44	3,791.63
	11/29/06	3,850.43	57.74	64.92	7.18	3,791.61
	12/01/06	3,850.43	57.74	64.92	7.18	3,791.61
	12/04/06	3,850.43	57.74	64.98	7.24	3,791.60
	12/06/06	3,850.43	57.78	64.84	7.06	3,791.59
	12/08/06	3,850.43	57.75	64.83	7.08	3,791.62
	12/12/06	3,850.43	58.22	65.12	6.90	3,791.18
	12/15/06	3,850.43	58.00	64.82	6.82	3,791.41
	12/18/06	3,850.43	57.83	64.76	6.93	3,791.56
	01/05/07	3,850.43	59.05	59.63	0.58	3,791.29
	01/10/07	3,850.43	59.05	59.54	0.49	3,791.31
	01/12/07	3,850.43	59.71	66.23	6.52	3,789.74
	01/16/07	3,850.43	57.93	64.60	6.67	3,791.50
	01/25/07	3,850.43	57.94	64.75	6.81	3,791.47
	01/26/07	3,850.43	59.33	63.53	4.20	3,790.47
	01/29/07	3,850.43	57.91	64.63	6.72	3,791.51
	02/01/07	3,850.43	57.96	64.63	6.67	3,791.47
	02/06/07	3,850.43	58.17	63.63	5.46	3,791.44
	02/09/07	3,850.43	57.99	64.58	6.59	3,791.45
	02/13/07	3,850.43	57.95	64.64	6.69	3,791.48
	02/16/07	3,850.43	58.35	62.77	4.42	3,791.42
	02/20/07	3,850.43	58.11	64.59	6.48	3,791.35
	02/21/07	3,850.43	57.98	64.64	6.66	3,791.45
	02/22/07	3,850.43	57.96	64.66	6.70	3,791.47
	02/28/07	3,850.43	59.27	59.58	0.31	3,791.11
	03/02/07	3,850.43	59.15	59.79	0.64	3,791.18
	03/06/07	3,850.43	58.16	64.35	6.19	3,791.34
	03/14/07	3,850.43	58.06	65.66	7.60	3,791.23
	03/19/07	3,850.43	58.09	64.75	6.66	3,791.34
	03/19/07	3,850.43	58.09	64.74	6.65	3,791.34
	04/02/07	3,850.43	58.12	64.81	6.69	3,791.31
	04/09/07	3,850.43	59.30	59.41	0.11	3,791.11
	04/12/07	3,850.43	59.19	60.28	1.09	3,791.08
	04/16/07	3,850.43	59.92	61.02	1.10	3,790.35
	04/24/07	3,850.43	59.16	60.49	1.33	3,791.07
	04/26/07	3,850.43	59.01	60.51	1.50	3,791.20
	04/30/07	3,850.43	59.41	63.04	3.63	3,790.48
	05/04/07	3,850.43	59.68	59.74	0.06	3,790.74
	05/16/07	3,850.43	58.82	60.09	1.27	3,791.42
	05/18/07	3,850.43	59.16	60.24	1.08	3,791.11
	05/21/07	3,850.43	59.25	60.33	1.08	3,791.02
	05/29/07	3,850.43	59.40	60.15	0.75	3,790.92
	05/31/07	3,850.43	59.40	60.15	0.75	3,790.92
	06/05/07	3,850.43	59.36	60.29	0.93	3,790.93
	06/07/07	3,850.43	59.47	59.90	0.43	3,790.90
	06/11/07	3,850.43	59.42	60.07	0.65	3,790.91
	06/13/07	3,850.43	59.36	60.12	0.76	3,790.96
	06/18/07	3,850.43	59.29	60.14	0.85	3,791.01
	06/21/07	3,850.43	59.41	60.02	0.61	3,790.93
	07/02/07	3,850.43	59.40	60.14	0.74	3,790.92
	07/06/07	3,850.43	59.12	60.05	0.93	3,791.17
	07/13/07	3,850.43	59.34	60.35	1.01	3,790.94
	07/17/07	3,850.43	59.40	60.09	0.69	3,790.93
	07/25/07	3,850.43	59.29	60.41	1.12	3,790.97

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-3	08/09/07	3,850.43	59.22	63.34	4.12	3,790.59
	08/13/07	3,850.43	58.27	62.13	3.86	3,791.58
	08/15/07	3,850.43	59.33	60.56	1.23	3,790.92
	08/24/07	3,850.43	58.32	61.50	3.18	3,791.63
	08/29/07	3,850.43	59.33	60.48	1.15	3,790.93
	09/17/07	3,850.43	59.39	60.71	1.32	3,790.84
	09/25/07	3,850.43	59.42	60.69	1.27	3,790.82
	09/27/07	3,850.43	59.64	59.88	0.24	3,790.75
	10/03/07	3,850.43	59.47	60.36	0.89	3,790.83
	10/10/07	3,850.43	59.01	60.24	1.23	3,791.24
	10/16/07	3,850.43	58.48	60.14	1.66	3,791.70
	11/12/07	3,850.43	58.78	63.19	4.41	3,790.99
	11/28/07	3,850.43	58.79	62.28	3.49	3,791.12
	12/13/07	3,850.43	58.58	65.14	6.56	3,790.87
MW - 4	*10/25/05*	3,850.26	-	58.86	0.00	3,791.40
	08/25/06	3,850.26		59.23	0.00	3,791.03
	09/15/06	3,850.26	-	59.30	0.00	3,790.96
	09/27/06	3,850.26	sheen	59.18	0.00	3,791.08
	09/28/06	3,850.26	-	59.20	0.00	3,791.06
	10/06/06	3,850.26	-	59.20	0.00	3,791.06
	10/13/06	3,850.26	-	59.22	0.00	3,791.04
	11/03/06	3,850.26	-	61.11	0.00	3,789.15
	12/01/06	3,850.26	-	59.27	0.00	3,790.99
	12/08/06	3,850.26	-	59.28	0.00	3,790.98
	12/12/06	3,850.26	-	59.28	0.00	3,790.98
	12/15/06	3,850.26	-	59.28	0.00	3,790.98
	03/19/07	3,850.26		59.44	0.00	3,790.82
	05/31/07	3,850.26		59.58	0.00	3,790.68
	08/29/07	3,850.26	59.49	60.47	0.98	3,790.62
	09/17/07	3,850.26	59.49	60.69	1.20	3,790.59
	09/19/07	3,850.26	59.63	60.05	0.42	3,790.57
	09/25/07	3,850.26	59.64	60.09	0.45	3,790.55
	09/27/07	3,850.26	59.68	60.00	0.32	3,790.53
	10/03/07	3,850.26	59.82	59.86	0.04	3,790.43
	10/10/07	3,850.26	sheen	59.92	0.00	3,790.34
	10/12/07	3,850.26	sheen	59.86	0.00	3,790.40
	10/16/07	3,850.26	sheen	59.88	0.00	3,790.38
	10/23/07	3,850.26	sheen	59.84	0.00	3,790.42
	10/26/07	3,850.26	sheen	59.91	0.00	3,790.35
	10/29/07	3,850.26	sheen	59.84	0.00	3,790.42
	11/12/07	3,850.26	59.92	59.99	0.07	3,790.33
	11/14/07	3,850.26	59.90	60.00	0.10	3,790.35
	11/16/07	3,850.26	sheen	59.96	0.00	3,790.30
	11/21/07	3,850.26	59.99	60.06	0.07	3,790.26
	11/28/07	3,850.26	59.90	59.93	0.03	3,790.36
	11/30/07	3,850.26	sheen	59.95	0.00	3,790.31
	12/13/07	3,850.26	59.92	59.99	0.07	3,790.33
	01/04/08	3,850.26	59.75	60.21	0.46	3,790.44
	01/10/08	3,850.26	59.92	60.22	0.30	3,790.30
	01/16/08	3,850.26	59.79	60.36	0.57	3,790.38
	01/18/08	3,850.26	59.81	60.30	0.49	3,790.38
	01/19/08	3,850.26	59.84	60.34	0.50	3,790.35
MW-5	*10/25/05*	3,849.77	-	58.69	0.00	3,791.08

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-5	*08/25/06*	3,849.77	-	59.23	0.00	3,790.54
	09/15/06	3,849.77	-	59.29	0.00	3,790.48
	09/27/06	3,849.77	sheen	59.02	0.00	3,790.75
	09/28/06	3,849.77	-	59.03	0.00	3,790.74
	10/06/06	3,849.77	-	59.01	0.00	3,790.76
	10/13/06	3,849.77	-	59.00	0.00	3,790.77
	11/03/06	3,849.77	-	59.03	0.00	3,790.74
	12/01/06	3,849.77	-	59.06	0.00	3,790.71
	12/08/06	3,849.77	-	59.09	0.00	3,790.68
	12/12/06	3,849.77	-	59.10	0.00	3,790.67
	12/15/06	3,849.77	-	59.10	0.00	3,790.67
	03/19/07	3,849.77	-	59.28	0.00	3,790.49
	05/31/07	3,849.77	-	59.35	0.00	3,790.42
	08/29/07	3,849.77	-	59.46	0.00	3,790.31
	11/12/07	3,849.77	-	59.59	0.00	3,790.18
MW-6	08/25/06	3,851.10	-	59.41	0.00	3,791.69
	09/15/06	3,851.10	-	59.48	0.00	3,791.62
	09/27/06	3,851.10	sheen	59.42	0.00	3,791.68
	09/28/06	3,851.10	-	59.41	0.00	3,791.69
	10/06/06	3,851.10	-	59.41	0.00	3,791.69
	10/13/06	3,851.10	-	58.42	0.00	3,792.68
	11/03/06	3,851.10	-	59.47	0.00	3,791.63
	12/01/06	3,851.10	-	59.46	0.00	3,791.64
	12/08/06	3,851.10	-	59.46	0.00	3,791.64
	12/12/06	3,851.10	-	59.49	0.00	3,791.61
	12/15/06	3,851.10	-	59.51	0.00	3,791.59
	03/19/07	3,851.10	-	59.60	0.00	3,791.50
	05/31/07	3,851.10	-	59.74	0.00	3,791.36
	08/29/07	3,851.10	-	59.86	0.00	3,791.24
	11/12/07	3,851.10	-	59.96	0.00	3,791.14
MW-7	08/25/06	3,847.03	-	55.79	0.00	3,791.24
	09/15/06	3,847.03	-	55.86	0.00	3,791.17
	09/28/06	3,847.03	-	55.78	0.00	3,791.25
	10/06/06	3,847.03	-	55.82	0.00	3,791.21
	10/13/06	3,847.03	-	55.81	0.00	3,791.22
	11/03/06	3,847.03	-	55.81	0.00	3,791.22
	12/01/06	3,847.03	-	55.82	0.00	3,791.21
	12/08/06	3,847.03	-	55.84	0.00	3,791.19
	12/12/06	3,847.03	-	55.86	0.00	3,791.17
	12/15/06	3,847.03	-	55.85	0.00	3,791.18
	03/19/07	3,847.03	-	56.00	0.00	3,791.03
	05/31/07	3,847.03	-	56.13	0.00	3,790.90
	08/29/07	3,847.03	-	56.26	0.00	3,790.77
	11/12/07	3,847.03	-	56.37	0.00	3,790.66
MW-8	06/21/06	3,851.00	59.37	59.38	0.01	3,791.63
	06/29/06	3,851.00	59.37	59.38	0.01	3,791.63
	06/30/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/03/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/05/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/07/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/10/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/11/06	3,851.00	59.39	59.40	0.01	3,791.61

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-8	07/12/06	3,851.00	59.39	59.40	0.01	3,791.61
	07/14/06	3,851.00	59.41	59.42	0.01	3,791.59
	07/17/06	3,851.00	59.41	59.42	0.01	3,791.59
	07/19/06	3,851.00	59.40	59.41	0.01	3,791.60
	07/21/06	3,851.00	59.40	59.41	0.01	3,791.60
	07/24/06	3,851.00	59.40	59.41	0.01	3,791.60
	07/26/06	3,851.00	59.41	59.43	0.02	3,791.59
	07/28/06	3,851.00	59.41	59.43	0.02	3,791.59
	08/01/06	3,851.00	59.41	59.43	0.02	3,791.59
	08/02/06	3,851.00	59.42	59.45	0.03	3,791.58
	08/04/06	3,851.00	59.42	59.44	0.02	3,791.58
	08/07/06	3,851.00	59.42	59.45	0.03	3,791.58
	08/09/06	3,851.00	59.42	59.45	0.03	3,791.58
	08/10/06	3,851.00	59.42	59.45	0.03	3,791.58
	08/14/06	3,851.00	59.43	59.47	0.04	3,791.56
	08/17/06	3,851.00	59.43	59.48	0.05	3,791.56
	08/18/06	3,851.00	59.43	59.47	0.04	3,791.56
	08/25/06	3,851.00	-	59.59	0.00	3,791.41
	09/15/06	3,851.00	-	59.61	0.00	3,791.39
	09/27/06	3,851.00	sheen	59.60	0.00	3,791.40
	09/28/06	3,851.00	-	59.50	0.00	3,791.50
	10/06/06	3,851.00	sheen	59.41	0.00	3,791.59
	10/25/06	3,851.00	59.43	59.53	0.10	3,791.56
	10/27/06	3,851.00	sheen	59.53	0.00	3,791.47
	10/30/06	3,851.00	sheen	59.49	0.00	3,791.51
	11/01/06	3,851.00	sheen	59.47	0.00	3,791.53
	11/03/06	3,851.00	sheen	59.50	0.00	3,791.50
	11/06/06	3,851.00	sheen	59.51	0.00	3,791.49
	11/08/06	3,851.00	59.46	59.49	0.03	3,791.54
	11/10/06	3,851.00	59.48	59.54	0.06	3,791.51
	11/13/06	3,851.00	sheen	59.50	0.00	3,791.50
	11/15/06	3,851.00	sheen	59.54	0.00	3,791.46
	11/17/06	3,851.00	sheen	59.54	0.00	3,791.46
	11/20/06	3,851.00	sheen	59.56	0.00	3,791.44
	11/22/06	3,851.00	sheen	59.54	0.00	3,791.46
	11/27/06	3,851.00	59.53	59.55	0.02	3,791.47
	11/29/06	3,851.00	sheen	59.55	0.00	3,791.45
	12/01/06	3,851.00	sheen	59.56	0.00	3,791.44
	12/04/06	3,851.00	sheen	59.63	0.00	3,791.37
	12/06/06	3,851.00	sheen	59.59	0.00	3,791.41
	12/08/06	3,851.00	59.50	59.57	0.07	3,791.49
	12/12/06	3,851.00	59.50	59.68	0.18	3,791.47
	12/15/06	3,851.00	59.48	59.72	0.24	3,791.48
	12/18/06	3,851.00	59.48	59.79	0.31	3,791.47
	01/10/07	3,851.00	59.20	59.56	0.36	3,791.75
	01/12/07	3,851.00	59.76	60.02	0.26	3,791.20
	01/16/07	3,851.00	59.74	60.08	0.34	3,791.21
	01/25/07	3,851.00	59.52	60.01	0.49	3,791.41
	01/26/07	3,851.00	sheen	59.71	0.00	3,791.29
	01/29/07	3,851.00	sheen	59.72	0.00	3,791.28
	02/01/07	3,851.00	sheen	59.65	0.00	3,791.35
	02/06/07	3,851.00	sheen	59.78	0.00	3,791.22
	02/09/07	3,851.00	sheen	59.76	0.00	3,791.24
	02/13/07	3,851.00	59.62	59.69	0.07	3,791.37
	02/16/07	3,851.00	sheen	59.65	0.00	3,791.35

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-8	02/20/07	3,851.00	59.59	59.76	0.17	3,791.38
	02/28/07	3,851.00	59.60	59.89	0.29	3,791.36
	03/02/07	3,851.00	59.62	59.78	0.16	3,791.36
	03/06/07	3,851.00	59.61	59.85	0.24	3,791.35
	03/14/07	3,851.00	59.62	59.89	0.27	3,791.34
	03/19/07	3,851.00	59.60	59.97	0.37	3,791.34
	03/19/07	3,851.00	59.60	59.97	0.37	3,791.34
	04/02/07	3,851.00	59.62	60.02	0.40	3,791.32
	04/09/07	3,851.00	59.61	60.09	0.48	3,791.32
	04/16/07	3,851.00	59.62	59.99	0.37	3,791.32
	04/24/07	3,851.00	59.61	60.09	0.48	3,791.32
	04/30/07	3,851.00	59.64	60.07	0.43	3,791.30
	05/04/07	3,851.00	59.68	59.92	0.24	3,791.28
	05/11/07	3,851.00	59.65	60.10	0.45	3,791.28
	05/16/07	3,851.00	59.67	60.11	0.44	3,791.26
	05/18/07	3,851.00	59.74	59.90	0.16	3,791.24
	05/31/07	3,851.00	59.63	60.38	0.75	3,791.26
	06/05/07	3,851.00	59.59	60.57	0.98	3,791.26
	06/07/07	3,851.00	59.58	60.65	1.07	3,791.26
	06/11/07	3,851.00	59.72	60.00	0.28	3,791.24
	06/13/07	3,851.00	59.76	59.93	0.17	3,791.21
	06/18/07	3,851.00	59.74	60.05	0.31	3,791.21
	06/21/07	3,851.00	59.75	60.01	0.26	3,791.21
	07/02/07	3,851.00	59.74	60.15	0.41	3,791.20
	07/06/07	3,851.00	59.70	60.29	0.59	3,791.21
	07/13/07	3,851.00	59.67	60.57	0.90	3,791.20
	07/17/07	3,851.00	59.78	60.06	0.28	3,791.18
	07/25/07	3,851.00	59.76	60.18	0.42	3,791.18
	07/30/07	3,851.00	59.78	60.11	0.33	3,791.17
	08/06/07	3,851.00	59.77	60.19	0.42	3,791.17
	08/09/07	3,851.00	59.82	60.06	0.24	3,791.14
	08/13/07	3,851.00	59.81	60.12	0.31	3,791.14
	08/15/07	3,851.00	59.83	60.04	0.21	3,791.14
	08/24/07	3,851.00	59.85	60.07	0.22	3,791.12
	08/29/07	3,851.00	59.83	60.11	0.28	3,791.13
	09/17/07	3,851.00	59.81	60.40	0.59	3,791.10
	09/19/07	3,851.00	59.91	60.09	0.18	3,791.06
	09/25/07	3,851.00	59.87	60.19	0.32	3,791.08
	09/27/07	3,851.00	59.92	60.03	0.11	3,791.06
	10/03/07	3,851.00	sheen	60.04	0.00	3,790.96
	10/10/07	3,851.00	sheen	60.29	0.00	3,790.71
	10/12/07	3,851.00	sheen	60.16	0.00	3,790.84
	10/16/07	3,851.00	sheen	60.18	0.00	3,790.82
	10/23/07	3,851.00	sheen	60.20	0.00	3,790.80
	10/26/07	3,851.00	sheen	60.20	0.00	3,790.80
	10/29/07	3,851.00	sheen	60.17	0.00	3,790.83
	11/12/07	3,851.00	sheen	60.72	0.00	3,790.28
	11/14/07	3,851.00	60.58	60.61	0.03	3,790.42
	11/16/07	3,851.00	sheen	60.24	0.00	3,790.76
	11/21/07	3,851.00	sheen	58.42	0.00	3,792.58
	11/28/07	3,851.00	sheen	60.25	0.00	3,790.75
	11/30/07	3,851.00	sheen	60.17	0.00	3,790.83
	12/13/07	3,851.00	sheen	60.32	0.00	3,790.68
	01/04/08	3,851.00	60.30	60.49	0.19	3,790.67
	01/10/08	3,851.00	60.23	60.24	0.01	3,790.77

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-8	01/16/08	3,851.00	60.06	60.30	0.24	3,790.90
	01/18/08	3,851.00	60.10	60.17	0.07	3,790.89
	01/22/08	3,851.00	60.09	60.23	0.14	3,790.89
MW-9	09/15/06	3,851.04	-	59.90	0.00	3,791.14
	09/18/06	3,851.04	59.89	60.08	0.19	3,791.12
	09/21/06	3,851.04	58.85	60.24	1.39	3,791.98
	09/26/06	3,851.04	59.72	60.72	1.00	3,791.17
	09/27/06	3,851.04	59.80	60.37	0.57	3,791.15
	09/28/06	3,851.04	59.75	60.30	0.55	3,791.21
	10/02/06	3,851.04	59.71	60.77	1.06	3,791.17
	10/04/06	3,851.04	59.76	60.63	0.87	3,791.15
	10/06/06	3,851.04	59.74	60.66	0.92	3,791.16
	10/09/06	3,851.04	59.64	61.22	1.58	3,791.16
	10/11/06	3,851.04	59.68	60.95	1.27	3,791.17
	10/16/06	3,851.04	59.50	61.82	2.32	3,791.19
	10/18/06	3,851.04	58.67	61.14	2.47	3,792.00
	10/20/06	3,851.04	59.70	61.07	1.37	3,791.13
	10/23/06	3,851.04	59.59	61.53	1.94	3,791.16
	10/25/06	3,851.04	59.67	61.11	1.44	3,791.15
	10/27/06	3,851.04	59.49	62.04	2.55	3,791.17
	10/30/06	3,851.04	59.55	61.64	2.09	3,791.18
	11/01/06	3,851.04	59.70	61.01	1.31	3,791.14
	11/03/06	3,851.04	59.72	61.03	1.31	3,791.12
	11/06/06	3,851.04	59.56	61.72	2.16	3,791.16
	11/08/06	3,851.04	59.36	62.61	3.25	3,791.19
	11/10/06	3,851.04	59.70	61.21	1.51	3,791.11
	11/13/06	3,851.04	59.52	61.80	2.28	3,791.18
	11/15/06	3,851.04	59.69	61.27	1.58	3,791.11
	11/17/06	3,851.04	59.71	61.22	1.51	3,791.10
	11/20/06	3,851.04	59.56	61.85	2.29	3,791.14
	11/22/06	3,851.04	59.70	61.36	1.66	3,791.09
	11/27/06	3,851.04	59.15	63.63	4.48	3,791.22
	11/29/06	3,851.04	59.69	61.39	1.70	3,791.10
	12/01/06	3,851.04	59.66	61.49	1.83	3,791.11
	12/04/06	3,851.04	59.55	62.00	2.45	3,791.12
	12/06/06	3,851.04	59.72	61.47	1.75	3,791.06
	12/08/06	3,851.04	59.66	61.54	1.88	3,791.10
	12/12/06	3,851.04	59.50	62.40	2.90	3,791.11
	12/15/06	3,851.04	59.31	63.42	4.11	3,791.11
	12/18/06	3,851.04	59.08	64.11	5.03	3,791.21
	01/05/07	3,851.04	58.77	65.78	7.01	3,791.22
	01/10/07	3,851.04	58.60	66.11	7.51	3,791.31
	01/12/07	3,851.04	58.67	61.38	2.71	3,791.96
	01/16/07	3,851.04	58.67	66.37	7.70	3,791.22
	01/25/07	3,851.04	58.78	65.93	7.15	3,791.19
	01/26/07	3,851.04	58.07	64.35	6.28	3,792.03
	01/29/07	3,851.04	59.25	63.84	4.59	3,791.10
	02/01/07	3,851.04	59.31	63.64	4.33	3,791.08
	02/09/07	3,851.04	59.20	64.24	5.04	3,791.08
	02/13/07	3,851.04	59.46	64.75	5.29	3,790.79
	02/16/07	3,851.04	59.45	63.18	3.73	3,791.03
	02/20/07	3,851.04	59.05	64.97	5.92	3,791.10
	02/22/07	3,851.04	58.96	65.35	6.39	3,791.12
	02/28/07	3,851.04	59.11	64.77	5.66	3,791.08

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-9	03/02/07	3,851.04	59.68	62.46	2.78	3,790.94
	03/06/07	3,851.04	59.42	65.19	5.77	3,790.75
	03/14/07	3,851.04	59.46	65.19	5.73	3,790.72
	03/19/07	3,851.04	59.43	65.25	5.82	3,790.74
	03/19/07	3,851.04	59.43	65.25	5.82	3,790.74
	04/02/07	3,851.04	59.35	65.69	6.34	3,790.74
	04/09/07	3,851.04	59.22	66.21	6.99	3,790.77
	04/12/07	3,851.04	59.17	66.50	7.33	3,790.77
	04/16/07	3,851.04	59.17	66.58	7.41	3,790.76
	04/24/07	3,851.04	59.24	66.31	7.07	3,790.74
	04/26/07	3,851.04	58.82	66.32	7.50	3,791.10
	04/30/07	3,851.04	59.10	67.03	7.93	3,790.75
	05/04/07	3,851.04	58.78	66.68	7.90	3,791.08
	05/11/07	3,851.04	58.88	66.20	7.32	3,791.06
	05/16/07	3,851.04	58.82	66.60	7.78	3,791.05
	05/18/07	3,851.04	59.22	64.74	5.52	3,790.99
	05/21/07	3,851.04	59.25	64.65	5.40	3,790.98
	05/29/07	3,851.04	58.84	66.55	7.71	3,791.04
	05/31/07	3,851.04	58.84	66.55	7.71	3,791.04
	06/05/07	3,851.04	58.89	66.29	7.40	3,791.04
	06/07/07	3,851.04	59.91	62.03	2.12	3,790.81
	06/11/07	3,851.04	60.31	60.32	0.01	3,790.73
	06/13/07	3,851.04	59.69	62.94	3.25	3,790.86
	06/18/07	3,851.04	60.29	60.34	0.05	3,790.74
	06/21/07	3,851.04	59.52	63.62	4.10	3,790.91
	07/02/07	3,851.04	58.86	66.56	7.70	3,791.03
	07/06/07	3,851.04	58.73	67.12	8.39	3,791.05
	08/13/07	3,851.04	59.81	60.12	0.31	3,791.18
	08/29/07	3,851.04	58.91	66.96	8.05	3,790.92
	10/26/07	3,851.04	59.04	66.79	7.75	3,790.84
	11/12/07	3,851.04	59.04	66.78	7.74	3,790.84
	11/21/07	3,851.04	59.11	66.82	7.71	3,790.77
	11/28/07	3,851.04	59.09	66.89	7.80	3,790.78
	11/30/07	3,851.04	59.47	65.38	5.91	3,790.68
	12/13/07	3,851.04	59.07	67.04	7.97	3,790.77
	01/16/08	3,851.04	59.24	66.78	7.54	3,790.67
MW-10	09/15/06	3,851.07	-	60.10	0.00	3,790.97
	09/27/06	3,851.07	sheen	60.06	0.00	3,791.01
	09/28/06	3,851.07	-	60.08	0.00	3,790.99
	10/06/06	3,851.07	-	60.06	0.00	3,791.01
	10/13/06	3,851.07	-	60.07	0.00	3,791.00
	11/03/06	3,851.07	-	60.11	0.00	3,790.96
	12/01/06	3,851.07	-	60.15	0.00	3,790.92
	12/08/06	3,851.07	-	60.16	0.00	3,790.91
	12/12/06	3,851.07	-	60.09	0.00	3,790.98
	12/15/06	3,851.07	-	60.17	0.00	3,790.90
	03/19/07	3,851.07	-	60.34	0.00	3,790.73
	05/31/07	3,851.07	60.33	60.82	0.49	3,790.67
	06/01/07	3,851.07	60.34	60.83	0.49	3,790.66
	06/05/07	3,851.07	60.41	60.54	0.13	3,790.64
	06/07/07	3,851.07	60.41	60.50	0.09	3,790.65
	06/11/07	3,851.07	60.38	60.51	0.13	3,790.67
	06/13/07	3,851.07	60.41	60.60	0.19	3,790.63
	06/18/07	3,851.07	60.42	60.66	0.24	3,790.61

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-10	06/21/07	3,851.07	60.43	60.62	0.19	3,790.61
	07/02/07	3,851.07	60.41	60.77	0.36	3,790.61
	07/13/07	3,851.07	60.36	61.11	0.75	3,790.60
	07/17/07	3,851.07	60.45	60.76	0.31	3,790.57
	08/29/07	3,851.07	60.32	61.54	1.22	3,790.57
	10/26/07	3,851.07	60.30	62.28	1.98	3,790.47
	11/12/07	3,851.07	60.08	63.37	3.29	3,790.50
	11/28/07	3,851.07	Well Obstructed			
	11/30/07	3,851.07	Well Obstructed			
	12/13/07	3,851.07	60.31	62.56	2.25	3,790.42
	01/04/08	3,851.07	60.33	62.49	2.16	3,790.42
	01/10/08	3,851.07	60.70	60.90	0.20	3,790.34
	01/16/08	3,851.07	60.73	60.90	0.17	3,790.31
MW-11	12/01/06	3,850.96	-	60.06	0.00	3,790.90
	12/08/06	3,850.96	-	60.07	0.00	3,790.89
	12/12/06	3,850.96	-	60.49	0.00	3,790.47
	12/15/06	3,850.96	-	60.10	0.00	3,790.86
	03/19/07	3,850.96	-	60.22	0.00	3,790.74
	05/31/07	3,850.96	-	60.35	0.00	3,790.61
	08/29/07	3,850.96	-	60.46	0.00	3,790.50
	11/12/07	3,850.96	-	60.58	0.00	3,790.38
MW-12	12/01/06	3,850.45	-	60.48	0.00	3,789.97
	12/08/06	3,850.45	-	60.48	0.00	3,789.97
	12/12/06	3,850.45	-	60.08	0.00	3,790.37
	12/15/06	3,850.45	-	60.51	0.00	3,789.94
	03/19/07	3,850.45	-	60.64	0.00	3,789.81
	05/31/07	3,850.45	-	60.76	0.00	3,789.69
	08/29/07	3,850.45	-	60.88	0.00	3,789.57
	11/12/07	3,850.45	-	60.99	0.00	3,789.46
RW-1	09/27/05	-	57.95	66.80	8.85	-
	10/03/05	-	57.93	66.81	8.88	-
	10/11/05	-	57.91	66.79	8.88	-
	10/18/05	-	57.90	66.80	8.90	-
	10/25/05	-	57.95	66.79	8.84	-
	11/02/05	-	57.95	66.80	8.85	-
	11/09/05	-	57.96	66.80	8.84	-
	11/16/05	-	57.95	66.78	8.83	-
	11/23/05	-	57.96	66.81	8.85	-
	11/30/05	-	57.97	66.82	8.85	-
	12/08/05	-	57.95	66.80	8.85	-
	12/12/05	-	57.95	66.80	8.85	-
	12/20/05	-	58.00	66.65	8.65	-
	12/29/05	-	58.00	66.65	8.65	-
	01/03/06	-	58.01	66.61	8.60	-
	01/05/06	-	58.05	66.55	8.50	-
	01/06/06	-	58.25	65.65	7.40	-
	01/09/06	-	58.05	66.55	8.50	-
	01/12/06	-	58.07	66.50	8.43	-
	01/13/06	-	58.20	65.85	7.65	-
	01/16/06	-	58.05	66.50	8.45	-
	01/18/06	-	58.11	66.39	8.28	-
	01/20/06	-	58.07	66.53	8.46	-

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	01/23/06	-	58.06	66.50	8.44	-
	01/25/06	-	58.08	66.50	8.42	-
	01/27/06	-	58.05	66.45	8.40	-
	01/30/06	-	58.08	66.48	8.40	-
	02/01/06	-	58.12	66.46	8.34	-
	02/03/06	-	58.17	66.32	8.15	-
	02/06/06	-	58.13	66.47	8.34	-
	02/13/06	-	58.09	66.47	8.38	-
	02/16/06	-	58.15	66.44	8.29	-
	02/21/06	-	58.14	66.47	8.33	-
	02/23/06	-	58.17	66.46	8.29	-
	02/27/06	-	58.16	66.41	8.25	-
	03/02/06	-	58.13	66.40	8.27	-
	03/03/06	-	58.46	64.97	6.51	-
	03/06/06	-	58.16	66.36	8.20	-
	03/07/06	-	58.20	66.14	7.94	-
	03/10/06	-	58.15	66.34	8.19	-
	03/15/06	-	58.18	66.35	8.17	-
	03/20/06	-	58.16	66.34	8.18	-
	03/24/06	-	58.15	66.35	8.20	-
	03/27/06	-	58.17	66.31	8.14	-
	03/29/06	-	58.18	66.30	8.12	-
	03/31/06	-	58.18	66.31	8.13	-
	04/03/06	-	58.17	66.30	8.13	-
	04/05/06	-	58.16	66.37	8.21	-
	04/07/06	-	58.18	66.39	8.21	-
	04/11/06	-	58.15	66.40	8.25	-
	04/13/06	-	58.19	66.38	8.19	-
	04/14/06	-	58.20	66.23	8.03	-
	04/17/06	-	58.19	66.40	8.21	-
	04/19/06	-	58.18	66.41	8.23	-
	04/24/06	-	58.21	66.37	8.16	-
	04/25/06	-	58.22	66.39	8.17	-
	05/01/06	-	57.14	66.45	9.31	-
	05/02/06	-	57.53	66.49	8.96	-
	05/05/06	-	58.18	66.42	8.24	-
	05/09/06	-	58.20	66.39	8.19	-
	05/10/06	-	58.19	66.39	8.20	-
	05/11/06	-	58.19	66.40	8.21	-
	05/15/06	-	58.21	66.41	8.20	-
	05/16/06	-	58.20	66.41	8.21	-
	05/18/06	-	58.22	66.39	8.17	-
	05/22/06	-	58.21	66.53	8.32	-
	05/24/06	-	58.21	66.49	8.28	-
	05/25/06	-	58.25	66.41	8.16	-
	05/30/06	-	58.21	66.54	8.33	-
	05/31/06	-	58.26	66.39	8.13	-
	06/02/06	-	58.23	66.44	8.21	-
	06/06/06	-	58.24	66.56	8.32	-
	06/08/06	-	58.23	66.54	8.31	-
	06/13/06	-	58.21	66.56	8.35	-
	06/15/06	-	58.24	66.54	8.30	-
	06/16/06	-	58.28	66.52	8.24	-
	06/19/06	-	58.16	66.37	8.21	-
	06/20/06	-	58.23	66.51	8.28	-

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	06/21/06	-	57.25	65.66	8.41	-
	06/29/06	-	57.25	65.66	8.41	-
	06/30/06	-	57.30	65.56	8.26	-
	07/03/06	-	57.30	65.66	8.36	-
	07/05/06	-	57.32	65.67	8.35	-
	07/07/06	-	57.31	65.68	8.37	-
	07/10/06	-	57.32	65.71	8.39	-
	07/11/06	-	57.30	65.75	8.45	-
	07/12/06	-	57.35	65.53	8.18	-
	07/14/06	-	57.31	65.66	8.35	-
	07/17/06	-	57.30	65.67	8.37	-
	07/19/06	-	57.32	65.66	8.34	-
	07/21/06	-	57.32	65.65	8.33	-
	07/24/06	-	57.30	65.69	8.39	-
	07/26/06	-	57.31	65.67	8.36	-
	07/28/06	-	57.32	65.68	8.36	-
	08/01/06	-	57.32	65.71	8.39	-
	08/02/06	-	57.38	65.46	8.08	-
	08/04/06	-	57.33	65.65	8.32	-
	08/07/06	-	57.34	65.70	8.36	-
	08/09/06	-	57.34	65.67	8.33	-
	08/10/06	-	57.35	65.67	8.32	-
	08/14/06	-	57.34	65.71	8.37	-
	08/17/06	-	57.35	65.72	8.37	-
	08/18/06	-	57.34	65.70	8.36	-
	09/28/05	-	57.92	66.77	8.85	-
	10/25/05	-	57.75	67.29	9.54	-
	11/29/05	-	57.96	66.79	8.83	-
	12/29/05	-	58.00	66.65	8.65	-
	01/27/06	-	58.08	66.50	8.42	-
	02/28/06	-	58.05	66.45	8.40	-
	08/25/06	-	57.39	65.76	8.37	-
	09/14/06	-	56.34	69.70	13.36	-
	09/15/06	-	56.65	68.65	12.00	-
	09/18/06	-	56.73	67.95	11.22	-
	09/21/06	-	56.90	66.27	9.37	-
	09/26/06	-	56.98	66.78	9.80	-
	09/27/06	-	57.04	66.40	9.36	-
	09/28/06	-	57.13	65.95	8.82	-
	10/02/06	-	57.10	66.31	9.21	-
	10/04/06	-	57.16	66.23	9.07	-
	10/06/06	-	57.19	66.15	8.96	-
	10/09/06	-	57.22	66.07	8.85	-
	10/11/06	-	57.25	65.95	8.70	-
	10/16/06	-	57.28	65.88	8.60	-
	10/18/06	-	57.31	67.77	10.46	-
	10/20/06	-	57.31	65.75	8.44	-
	10/23/06	-	57.29	66.66	9.37	-
	10/25/06	-	57.34	65.66	8.32	-
	10/27/06	-	57.36	65.64	8.28	-
	10/30/06	-	57.38	65.61	8.23	-
	11/01/06	-	57.36	65.54	8.18	-
	11/03/06	-	57.38	65.52	8.14	-
	11/06/06	-	57.38	65.49	8.11	-
	11/08/06	-	57.39	65.52	8.13	-

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	11/10/06	-	57.50	65.49	7.99	-
	11/13/06	-	57.41	65.46	8.05	-
	11/15/06	-	57.48	65.42	7.94	-
	11/17/06	-	57.44	65.42	7.98	-
	11/20/06	-	57.46	65.46	8.00	-
	11/22/06	-	57.45	65.42	7.97	-
	11/27/06	-	57.46	65.48	8.02	-
	11/29/06	-	57.49	65.44	7.95	-
	12/01/06	-	57.49	65.44	7.95	-
	12/04/06	-	57.50	65.46	7.96	-
	12/06/06	-	57.51	65.43	7.92	-
	12/08/06	-	57.51	65.42	7.91	-
	12/12/06	-	57.59	65.70	8.11	-
	12/15/06	-	57.69	64.65	6.96	-
	12/18/06	-	57.65	64.75	7.10	-
	01/05/07	-	59.81	59.96	0.15	-
	01/10/07	-	58.90	59.45	0.55	-
	01/12/07	-	59.21	62.72	3.51	-
	01/16/07	-	57.78	64.54	6.76	-
	01/25/07	-	57.85	64.40	6.55	-
	01/26/07	-	57.76	64.64	6.88	-
	01/29/07	-	57.81	64.48	6.67	-
	02/01/07	-	57.83	64.47	6.64	-
	02/06/07	-	57.77	64.78	7.01	-
	02/09/07	-	57.81	64.68	6.87	-
	02/13/07	-	57.79	64.67	6.88	-
	02/16/07	-	58.15	65.04	6.89	-
	02/20/07	-	57.71	65.15	7.44	-
	02/21/07	-	57.74	65.03	7.29	-
	02/22/07	-	57.82	64.71	6.89	-
	02/28/07	-	57.81	64.75	6.94	-
	03/02/07	-	57.85	64.64	6.79	-
	03/06/07	-	57.80	64.82	7.02	-
	03/14/07	-	57.82	64.81	6.99	-
	03/19/07	-	57.86	64.68	6.82	-
	04/02/07	-	57.91	64.72	6.81	-
	04/09/07	-	58.03	64.71	6.68	-
	04/12/07	-	57.84	64.84	7.00	-
	04/16/07	-	57.89	64.68	6.79	-
	04/24/07	-	57.88	64.77	6.89	-
	04/26/07	-	57.78	65.24	7.46	-
	04/30/07	-	57.87	64.86	6.99	-
	05/04/07	-	57.91	64.85	6.94	-
	05/11/07	-	57.92	64.90	6.98	-
	05/16/07	-	57.84	65.29	7.45	-
	05/18/07	-	57.92	64.82	6.90	-
	05/21/07	-	57.94	64.86	6.92	-
	05/29/07	-	57.85	65.19	7.34	-
	05/31/07	-	57.85	65.19	7.34	-
	06/01/07	-	57.90	65.05	7.15	-
	06/07/07	-	59.22	59.46	0.24	-
	06/11/07	-	59.22	59.39	0.17	-
	06/13/07	-	59.08	59.99	0.91	-
	06/18/07	-	58.73	61.36	2.63	-
	06/21/07	-	58.34	63.19	4.85	-

TABLE 1

GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
PLAINS EMS NO. 2005-00138

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	07/02/07	-	59.10	64.63	5.53	-
	07/06/07	-	57.94	65.24	7.30	-
	08/29/07	-	58.09	65.04	6.95	-
	10/26/07	-	58.12	65.33	7.21	-
	11/12/07	-	58.14	65.28	7.14	-
	11/21/07	-	58.17	65.36	7.19	-
	11/28/07	-	58.18	65.36	7.18	-
	11/30/07	-	58.25	64.75	6.50	-
	12/13/07	-	58.05	66.00	7.95	-
	01/16/08	-	58.42	64.78	6.36	-