



INITIAL SITE CHARACTERIZATION REPORT:
CITY OF TUCSON POLICE/FIRE FUEL ISLAND
LEAKING UNDERGROUND STORAGE TANK SITE
TUCSON, ARIZONA 85701
(ADEQ ID #0-005176; LUST FILE #3208.01)

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1.0 INTRODUCTION

Engineering and Environmental Consultants, Inc. (EEC), under contract to City of Tucson Environmental Services (COT-ES), has prepared this Initial Site Characterization Report (SCR) for the City of Tucson Police/Fire Fuel Island Leaking Underground Storage Tank (LUST) site at 260 South Stone Avenue, Tucson (Pima County), Arizona 85701. The facility, which is assigned Arizona Department of Environmental Quality (ADEQ) Facility ID #0-005176 and LUST File #3208.01, is in the block bound by West McCormick and Cushing Streets to the north and south (respectively), and by South Stone and Church Avenues to the east and west (respectively). The former fueling facility, which was owned and operated by the City of Tucson, was located in the west-central area of the block between the fire station and the police department's parking structure. Although the Tucson Police Department (TPD) and Tucson Fire Department (TFD) are still in operation at the site, the fueling facility was decommissioned, and the underground storage tanks (USTs) removed, in 1993.

Work summarized in this report was accomplished in three phases. The first phase of the project included the installation of three perched groundwater monitoring wells as part of an assessment of suspected leaks from the City's Central Energy Plant (CEP) underground heating and cooling system water pipes. The CEP supplies heat and cooling to the Tucson Convention Center (TCC) complex as well as the main police and fire stations via a system of underground piping. Sampling of these first three wells resulted in the discovery of gasoline constituents in the perched groundwater.

The second phase of the project included the exploratory drilling and soil sampling at the Police/Fire UST location and the installation of an additional six perched groundwater monitoring wells. The suspected release of gasoline product was confirmed in this phase and free product was discovered on the perched groundwater at and near the former UST location.

The third phase of the project included the installation of three additional perched groundwater monitoring wells to more accurately define the extent of free product and dissolved phase gasoline components.

2.0 FACILITY INFORMATION AND RELEASE DESCRIPTION

UST facility #0-005176 began operation with three USTs (one diesel and two gasoline) in 1972; two additional USTs (gasoline) were added to the facility in 1975. The tanks included one 5,000-gallon diesel, one 5,000-gallon gasoline, two 10,000-gallon gasoline, and one 1,500-gallon gasoline UST. The fueling facility remained in operation at the subject site until the five USTs and the associated dispensing equipment and piping were removed in November 1993. During the removal of the USTs, stained soil and a petroleum odor were documented. ADEQ opened a leaking UST case file (LUST File #3208.01) based on these observations. Approximately 250 cubic yards of soil were removed from the excavation and transported to COT's Petroleum Contaminated Soil Treatment Facility at Los Reales Landfill. Laboratory analyses of soil samples collected by TFD from the tank area during removal showed no significant impacts to the native soil from petroleum hydrocarbon compounds. ADEQ closed the case file in November 1999 after they determined that the initial leaking UST case was opened due to a "false alarm".

In December 2006-January 2007, COT installed three groundwater monitoring wells (CEP-518A, CEP-519A, and CEP-520A) in the vicinity of the Tucson Police and Fire headquarters and the Tucson Convention Center (located immediately to the west of the TPD/TFD headquarters) as shown on the Site and Well Location Maps in Appendix 1. These wells were installed as part of the assessment of leaking heating and cooling pipes that connected the convention center's central energy plant to the headquarters buildings of TFD and TPD. During this assessment, gasoline compounds (including benzene at concentrations above the aquifer water quality standard) were detected in two of the monitoring wells, CEP-519A and CEP-518A. COT reported this finding to ADEQ on March 30, 2007. Based on the occurrence of benzene in the two monitoring wells, ADEQ required that additional site characterization be completed.

The second phase of the assessment, to confirm the possible release from the former UST system, included the placement of two perched groundwater monitoring wells (HQUST-523A and HQUST-524A) and three exploratory boreholes at the former UST location. An upgradient monitoring well (HQUST-525A), and three additional downgradient monitoring wells (HQUST-526A, CEP-527A, CEP-528A) were also installed as part of this phase of work to verify local hydraulic conditions and groundwater quality. Due to the presence of volatile organic compounds (VOCs) in the vadose zone, two of the exploratory borings at the former UST location were completed as vadose zone vapor wells, and one was abandoned (grouted) after soil sampling.

Following completion of the second phase of the assessment activities, EEC and COT-ES submitted a 90 Day Release Confirmation Report that confirmed a release of petroleum based fuels from the former fueling facility. As a result of these findings, the ADEQ reopened LUST File #3208.01.

The third phase of this assessment was comprised of the installation of three additional perched groundwater monitoring wells to more precisely define the lateral extent of free product on the perched water bearing zone and determine if there is a possible off site source for the free product. Monitoring well HQUST-532A was installed in an upgradient location southwest of the UST site and wells HQUST-531A and HQUST 533A were installed downgradient of the free product wells (CEP-519A, HQUST-523A, and HQUST-524A). The locations of the wells and boreholes drilled during this three-phased assessment are shown on the Site and Well Location Maps in Appendix 1.

The product released from the former UST system was predominantly gasoline; however, traces of diesel were also found in the vadose zone. The quantity of the release is unknown. The release occurred at some time between 1972 and 1993 when USTs were in operation at the site.

3.0 GEOLOGY

The subject site is located in the Northwest quarter of Section 13, Township 14 South, Range 13 East, Gila and Salt River, Base and Meridian, Pima County, Arizona (Figure 1, Appendix 1). The elevation of the well sites range from 2,391.50 feet above mean sea level (msl) at the northwest corner of Stone Avenue and Cushing Street (well HQUST-525A) to 2,357.48 feet above msl (NAVD 88 Datum) at the southeast corner of Granada Avenue and Calle Carlos Arruza, northwest of the TCC (well CEP-528A). Elevation information was derived from the well survey conducted following the well installation and surface completions.

The subject property is in the Tucson Basin, a structural valley that is in the Sonoran section of the Basin and Range Physiographic Province of the southwestern United States (Arizona Bureau of Mines, 1969). Alluvium-filled valleys separate elongated mountain ranges trending to the north or northwest. The alluvium consists of inter-fingering sands, gravels, silts, and clays in varying proportions, depending on the location of the ancient streams that deposited the gravels. The alluvial fill is thousands of feet thick in the area beneath the site.

Faulting generally controls the boundaries of the mountain ranges (Davidson, 1973). The mountains surrounding the area and the basement beneath the alluvial fill consists primarily of crystalline igneous rocks, metamorphosed sedimentary rocks, and volcanic rocks. These basement materials are the source of the unconsolidated alluvial fill (Anderson, 1987). The stratified nature of the deposits controls the flow direction of groundwater. Localized well pumping may also impact groundwater flow patterns.

4.0 HYDROLOGY

The principal drainage feature through the area is the north-flowing Santa Cruz River. The regional land surface slopes to the west-northwest toward the river. The average elevation of the site is approximately 2,374 feet as determined by a well survey conducted following the installation of the wells. The reference elevation is mean sea level, NAVD88 Datum.

The property is within the Tucson Active Management Area (AMA); the Arizona Department of Water Resources (ADWR) regulates well construction and water use within the area. Depth to the regional groundwater body was approximately 150 feet beneath the surface during the period of November 1999 to February 2000. The direction of regional groundwater flow is generally to the northwest unless influenced by localized pumping (Tucson Water, 2005).

A “perched” zone of groundwater is known to exist in many areas of downtown Tucson. The perched groundwater in this area varies a great deal and can be encountered at depths ranging from approximately 35 to 75 feet below the land surface (bls), or not be encountered at all. During this assessment, the perched groundwater was encountered between 60 and 75 feet bls.

5.0 SCOPE OF WORK

At the request of COT-ES, a scope of work was developed to assess soil and groundwater conditions in the vicinity of the former UST system. The scope of work, detailed below, was followed to collect subsurface soil samples and install and develop the perched groundwater monitoring wells.

5.1 Setup, Permitting, and Health and Safety

For each phase of the assessment, well installation permits were acquired from the ADWR prior to mobilization of drilling rigs. Layne Christensen Company of Chandler, Arizona, performed

the drilling and well installation for the first two phases of the work and Geomechanics Southwest, Incorporated of Tucson, Arizona, performed the drilling and well installation for the third phase of the work. Both firms are ADWR licensed drilling contractors. The Notice Of Intent (NOI) to drill a well documents were approved by COT-ES prior to submittal. Following installation of the wells, the drilling contractors filed the required ADWR well completion reports (Appendix 2). Also prior to mobilizing the drill rigs, EEC had the public underground utilities marked by Blue Stake Services of Arizona. EEC and COT-ES personnel also coordinated activities with Tucson Police Department personnel, Tucson Fire Department personnel, Tucson Convention Center staff, and neighborhood occupants to ensure minimal impact on access to and from their respective facilities and/or properties. Field work for the central energy plant investigation began on December 11, 2006. The second phase of the assessment began on May 17, 2007, and the third phase of work began on October 8, 2007.

A site-specific health and safety plan was prepared for the project. The plan describes mandatory safe working practices for on-site employees and subcontract personnel. The plan is in accordance with 29 CFR 1910.120. EEC and subcontract field personnel have current 40-hour OSHA safety training and 8-hour annual refresher credentials. Pre-construction and safety meetings were held prior to initiating field work for each phase of this assessment and on-site personnel were required to read and understand the requirements of the health and safety plan and sign a tailgate safety meeting sheet acknowledging acceptance with the plan (Appendix 3).

5.2 Drilling and Soil Sampling Protocol

The former UST facility is located in an area crisscrossed with subsurface emergency communications utilities, including fiber optic lines. For this reason, each borehole location was "pot-holed" (air-jet boring) following the Blue Stake utility clearance. Pot holing was continued as deep as the equipment allowed as an additional measure to avoid damage to buried utilities or other underground structures. Three of the borings, CEP-518A, HQUST-525A, and CEP-528A had to be relocated due to conflicts with unmarked subsurface utilities that were encountered during pot-holing.

Once pot-holing was completed, the borings were drilled using a truck-mounted Mobil B-61 or CME-75 Hollow Stem Auger drill rig. The initial investigation placed monitoring wells adjacent to suspect portions of the underground central energy plant pipeline. The second phase of borings was at the location of the former fueling facility (two wells, three exploratory borings),

northwest of the fire station (monitoring well), southeast of the police station (monitoring well), and in downgradient locations west of the Tucson Convention Center (two monitoring wells). The third phase of borings included two borings west of the former fueling facility, in the Tucson Convention Center parking lot, and one boring to the southwest, in Convent Avenue, just south of Cushing Street. The locations of the wells are shown on the Well Location Map in Appendix 1.

During all three phases of the investigation, EEC provided a full-time onsite professional to continuously monitor the soil cuttings, perform lithologic descriptions, collect soil samples for laboratory analysis, and supervise construction of the monitoring wells. A separate boring log was kept for each borehole (Appendix 4).

Soil samples were collected at five to ten-foot intervals, where possible, from each boring in order to assess the subsurface soil conditions. Due to the nature of air-jet boring, which is not conducive to representative soil sampling, sampling did not begin until normal hollow-stem auger drilling activities commenced (after pot-holing). Selected samples, based on field analyses and observations, were submitted to Transwest Geochem, an Arizona Department of Health Services certified laboratory (Certificate AZM133/AZ0133), for analysis.

Samples were collected with a 2-inch diameter, 2-foot long decontaminated split spoon sampler outfitted with brass sampling sleeves. Immediately following collection, samples were sealed with teflon patches and sealed with black non-contaminating tape. All current ADEQ sample collection guidelines and procedures were adhered to. In addition, a portion of each sample was screened for VOCs with a Scorpion AX-1 photoionization detector (PID). The Scorpion PID uses a 10.6eV bulb and was calibrated daily using a 50 ppm isobutylene calibration gas. Results of the PID scans were recorded on the boring logs. Drill cuttings produced during this project were placed in a lined on-site roll-off container provided by COT-ES.

5.3 Decontamination Procedures

Drilling equipment was properly decontaminated prior to advancing the initial boring and in between each boring. Steam cleaning water generated during the decontamination of the drilling equipment was collected either on visqueen or in a containment trailer and allowed to evaporate. Sampling equipment was washed with a non-phosphate detergent and triple-rinsed in potable water prior to each sampling event.

5.4 Groundwater Well Construction

The monitoring wells were constructed using 4-inch diameter schedule 40 PVC materials. The overall depth and construction criteria for each well was based on the hydrogeology encountered in that borehole. In each boring, a sandy water bearing unit was encountered between 60 and 75 feet bls. The water bearing unit in each of the borings was underlain by a clay layer. The presence of the clay layer was confirmed by driving a split spoon soil sampler ahead of the auger as the boring was advanced. Once the clay layer was identified, drilling stopped and the well was constructed.

In each boring, EEC installed 20 feet of flush threaded, factory slotted (0.020 inch) PVC casing. The screened interval was positioned such that up to 10 feet of slot was below, and the remainder of slot was above the static water level. EEC then installed a corresponding amount of riser pipe to complete the well to land surface. The top 20 feet of riser pipe is protected by a low carbon steel sleeve outside of the PVC. The bottom cap of each well is type 304 stainless steel. The annulus of the borehole is filled with a 10-20 silica sand filter pack from the bottom of the boring to approximately 5 feet above the top of the slotted interval. The sand pack is overlain by a minimum 5-foot hydrated bentonite seal. The remaining annulus is filled with a bentonite grout slurry to within 25 feet of the surface. The uppermost 25 feet of annulus is filled with neat cement. Well schematics showing the construction of each monitoring well are in Appendix 5.

Where appropriate, EEC had the surface concrete at each location cleanly saw cut into 3'x 3' squares and hinged 24- by 24-inch flush surface mounted steel watertight well vaults were installed to encase the well head.

5.5 Groundwater Well Development

The wells were developed to remove suspended sediment and enhance well productivity. The development technique consisted of swabbing, surging, bailing, and pumping. Down-hole tools used for development were decontaminated prior to use in each well. Development water was placed in a lined on-site roll-off container and allowed to evaporate.

5.6 Exploratory Boreholes and Vapor Well Construction

Three borings at the UST location were not advanced to the water bearing zone. Soil samples were collected from these borings as they were advanced. Each of these borings was advanced to

within approximately 6 to 8 feet of the groundwater. Because HQUST-W only showed low level field indications of petroleum impacts to soil, it was abandoned following soil sampling.

Due to the presence of VOCs in the soil beneath the former UST system, exploratory boreholes DIE and DIW were completed as vapor wells for possible use during future remediation efforts. These two wells were constructed using 2-inch diameter schedule 40 PVC materials. DIE was drilled to a depth of 55 feet bls; however, only the upper 49 feet was completed with casing. The screened interval for DIE is from 14 to 49 feet bls. DIW was drilled to a depth of 50 feet bls with a screened interval from 20 to 50 feet bls. In both cases, the screened interval was determined based on PID measurements and field indications of petroleum impacted soil. The annulus of the borehole is filled with a 10-20 silica sand filter pack from the bottom cap of the casing to a minimum of one foot above the top of the slotted interval. The sand pack is overlain by a minimum 4-foot hydrated bentonite seal. The remaining annulus is filled with a bentonite grout slurry to the surface. Well schematics showing the construction of each vapor well follow the groundwater monitoring well schematics in Appendix 5.

EEC had the surface concrete at each vapor well location cleanly saw cut into 3'x 3' squares and 12-inch round Morrison style flush surface mounted steel watertight well vaults were installed to encase the well heads.

5.7 Well Survey and Groundwater Gradient

EEC surveyed the elevations and horizontal location of each well. Using depth to groundwater measurements taken from each well on May 8, 2008, the groundwater gradient is calculated to be 0.003 foot/foot with a direction of flow to the northwest. Three of the wells (CEP-519A, HQUST-523A, and HQUST-524A) were discovered to have free product present and were undergoing active free product removal at the time these measurements were made; therefore, no depth to groundwater measurements could be made at these wells and they were not used to contour the groundwater gradient in the project area. The groundwater elevations generated from the May 8, 2008 measurements are shown on Figure 2 in Appendix 1. A table of static water level measurements collected that day follow the map as Figure 2B; the well survey data is in Appendix 6.

6.0 FIELD OBSERVATIONS

In the initial phase of this investigation, a petroleum-like odor and PID detections were noted in well CEP-519A as the boring approached the groundwater. The perched groundwater at this location was noted to have a significant petroleum-like odor. No significant odors or PID readings were observed during the installation of monitoring wells CEP-518A or CEP-520A.

In the second phase of the assessment, field observations (PID readings and odors) at the location of HQUST-523A indicated petroleum based impacts to the soil beginning at approximately 47 feet bls, with concentrations increasing with depth until the perched groundwater was encountered at approximately 63 feet bls. The highest PID reading for HQUST-523A was 980 parts per million (ppm) at 50 feet bls. At the location of HQUST-524A, field screening indicated similar concentrations beginning at approximately 17 feet bls and extending to the perched groundwater, also encountered at approximately 63 feet bls, with the highest PID reading of 1,233 ppm at 20 feet bls. In both of these boreholes, the perched groundwater was noted to have a petroleum compound odor when it was encountered.

Field observation in the two vapor wells (DIE and DIW) indicated that VOCs impact began at 17 and 20 feet bls, respectively, and extended to the base of the boreholes at 55 and 50 feet bls, respectively. The highest PID reading for DIE was 1085 ppm at the 30-foot depth; the highest for DIW was 388 ppm at 25 feet bls.

Field indications at HQUST-W (the abandoned borehole) indicated low VOC concentrations from approximately 23 feet bls to the base of the borehole at 55 feet bls. The highest PID reading for HQUST-W was 190 ppm at 55 feet.

No indication of petroleum hydrocarbon compounds were noted during the drilling and soil sampling of HQUST-525A or HQUST-526A. Soil staining and odor was noted at the 30 to 35-foot depth during the drilling of CEP-528A.

In the third phase of the assessment, only low level PID detections were observed during the drilling of HQUST-531A and HQUST-532A. The PID detections for HQUST-531A were 10.9 and 15.6 ppm at the 50 and 55-foot depths, respectively. A single PID detection of 1.3 ppm was noted at the 55-foot depth of HQUST-532A.

Field indications of petroleum impacts at HQUST-533A began with a very slight petroleum odor and 12.3 ppm PID detection at 50 feet bls. A very strong gasoline-like odor and 1390.3 ppm PID detection was noted at 60 feet bls, just before encountering water at approximately 62.5 feet bls.

7.0 LABORATORY ANALYSES FOR SOIL SAMPLES

Based on field screening results, selected samples collected during this assessment were delivered under chain-of-custody to Transwest Geochem, Inc. for analysis. Transwest Geochem is an Arizona Certified Environmental Laboratory (Certificate AZM133/AZ0133) under contract with the City of Tucson. All samples submitted for analysis during the second phase of this assessment were analyzed for total petroleum hydrocarbons (TPHs) by ADHS analytical method 8015AZ and, at a minimum, benzene, ethylbenzene, toluene, and xylenes (BTEX) by EPA Analytical Method 8021B. Selected samples (based on PID results and field indications) were analyzed for the full list of volatile organic compounds (VOCs), including BTEX, by EPA Method 8260 instead of by Method 8021B. Selected samples were also analyzed for polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8310. The samples collected during the third phase of this assessment were all analyzed for the full list of VOCs by EPA Method 8260 and for PAHs by EPA Method 8310. No TPH (8015AZ) analyses were requested by COT-ES for any samples collected during the second phase of this site characterization assessment. All samples were extracted and analyzed within the ADEQ required holding times for UST compliance samples. Note that soil samples collected during the first phase of this project (installation of CEP-518A, CEP-519A, and CEP-520A) were not analyzed for fuel constituents as the target of the investigation for which they were installed was sodium nitrite that had reportedly leaked from the Central Energy Plant HVAC piping.

8.0 LABORATORY RESULTS AND TIER 1 EVALUATION FOR SOIL SAMPLES

The table in Appendix 7 summarizes the detections of fuel constituents in the soil samples collected during this site assessment and evaluates them against ADEQ's Tier 1 Clean-up Standards, which, in this case, consist of the 2007 residential soil remediation levels (SRLs), ADEQ's Soil Leaching standards, and ADEQ's Recommended Risk Based Levels. Copies of the complete laboratory reports follow the summary table. Soil samples collected during the initial phase of the investigation (the installation of CEP-518A, CEP-519A, and CEP-520A) were not analyzed for fuel constituents as the target of that investigation was sodium nitrite.

Fuel constituents were identified in the soils of each of the five boreholes drilled in the area of the former UST system. Additionally, a low level detection of 32 mg/kg of diesel range organics (C₁₀ through C₂₂ hydrocarbons) was reported at the 20-foot depth of HQUST-526A, a low level detection of benzene (0.060 mg/kg) was detected at the 55-foot depth of HQUST-531A, and a low level detection of benzene (0.54 mg/kg) and several other VOCs were reported for the 60-foot depth of HQUST-533A.

Benzene was reported at concentrations above the 2007 residential soil remediation level (SRLs) of 0.65 mg/kg in four of the five boreholes drilled at the former location of the UST system (HQUST-524A, HQUST-523A, DIE, and HQUST-W).

- In HQUST-523A, benzene was reported at a concentration of 0.86 mg/kg at the 55-foot depth. It should be noted that the samples collected from HQUST-523A were collected and submitted to the lab before the current well nomenclature was established and therefore were chained and analyzed as TFD-UST-E.
- In HQUST-524A, benzene was reported at 9.5 mg/kg at the 30-foot depth and at 0.72 mg/kg at the 40-foot depth.
- In DIE (the easternmost vapor well) benzene was reported at 2.6 mg/kg at 30 feet, at 9.6 mg/kg at 40 feet, and at 5.9 mg/kg at 45 feet bls.
- The 40-foot sample from HQUST-W (abandoned) was reported to have a benzene concentration of 0.68 mg/kg.

Gas and diesel range organics (C₆ through C₂₂ hydrocarbons) were detected in low concentrations (22 and 33 mg/kg) at the 40-foot depth of CEP-527A and diesel range organics (C₁₀ through C₂₂ hydrocarbons) were detected in low concentrations (30 mg/kg) at the 41-foot depth of CEP-528A. No VOCs were detected in soil from either CEP-527A or CEP-528A.

No compound other than benzene was identified at concentrations above the Tier 1 Clean-up Standards, where such levels exist. No VOCs were detected in either HQUST-525A or -532A.

The primary chemical of concern found in soils sampled during the assessment of the former UST site is Benzene. Benzene concentrations in soil samples, and PID detections from the five

boreholes drilled in the UST area are presented in cross-sections (A-A') in Figures 3 and 4, Appendix 1. Figure 5, Appendix 1, is a cross-section of PID detections over the larger area between wells CEP-518A and CEP-519A (B-B'), which also includes the UST area. Figure 2 shows an aerial view of the areas covered by the cross sections. Figure 6 shows the estimated horizontal extent of the petroleum impacted soil in proximity to the release point.

9.0 GROUNDWATER SAMPLING

Following the installation and development of the groundwater monitoring wells, groundwater sampling was performed by COT-ES personnel. The sampling was conducted in general conformance with ASTM D 4448 guidance and according to current applicable ADEQ regulations for the collection and handling of groundwater samples. All sampling equipment, including well sounders, was properly decontaminated before and after sampling at each location. The groundwater samples collected during each sampling event were immediately placed into an ice chest and stored on ice for transportation to the laboratory for analysis. A chain-of-custody form was filled out during sample collection and accompanied the samples at all times.

The first groundwater sampling event occurred on January 31, 2007, and was part of the assessment of the central energy plant pipeline. Only wells CEP-518A, CEP-519A, and CEP-520A, existed at this time. It was this sampling event that identified the presence of petroleum hydrocarbon compounds in the perched groundwater in the area and initiated the research and field work that reopened the Police/Fire Fuel Island LUST site case file.

The next sampling event occurred in the summer (late June and early July) of 2007, after the subsurface investigation at the location of the former Police/Fire UST facility. The summer 2007 event included two of the three original CEP wells sampled in January 2007 (CEP-519A was not sampled due to the presence of free product), three of the four new wells located at the Police/Fire facility (HQUST-524A was not sampled due to the presence of free product), and the two new wells installed west of the convention center (CEP-527A and CEP-528A).

The third sampling event occurred in November 2007, and included the seven wells that were sampled during the summer 2007 event and three additional wells (HQUST-531A, HQUST-532A, and HQUST-533A) that were installed to further define the contaminant plume to the west and southwest of the site. Because of the presence of free product, neither CEP-519A or HQUST-524A were sampled during the November 2007 event. Wells CEP-518A, CEP-520A, HQUST-531A, HQUST-532A, and HQUST-533A were sampled again in February 2008.

10.0 LABORATORY ANALYSES FOR GROUNDWATER SAMPLES

Groundwater samples were analyzed for VOCs by EPA Analytical Method 8260; selected samples were also analyzed for Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Analytical Method 8310. Samples were submitted by COT-ES to Transwest Geochem of Tucson, Arizona. The samples were then delivered, via shuttle service, to Transwest Geochem of Phoenix, Arizona for analysis. A properly completed chain of custody form was maintained from sample collection until analysis by the laboratory. Transwest Geochem is certified by the Arizona Department of Health Services (ADHS) to perform these analyses in the State of Arizona.

11.0 LABORATORY RESULTS AND TIER 1 EVALUATION FOR GROUNDWATER SAMPLES

Since the installation of the twelve wells constructed for the characterization of the site, VOC's have been detected, at one time or another, in nine of the wells. The three wells with no reported detections of VOCs are HQUST-525A, located upgradient southeast of the UST location; HQUST-532A, located upgradient south of the UST location in Convent Avenue, and CEP-527A, located downgradient west of the Tucson Convention Center along Granada Avenue. The results of the laboratory analyses of the groundwater samples are summarized and compared to Tier 1 Clean-up Standards in tables in Appendix 8. The applicable Tier 1 Clean-up Standards are the Aquifer Water Quality Standards (AWQS) and the Maximum Contaminant Levels (MCLs) or Risk Based Levels. Complete copies of the laboratory reports follow the summary tables. The estimated extent of the impacted groundwater and free product is presented on Figure 2, Appendix 1.

Six wells, CEP-518A, CEP-519A, HQUST-523A, HQUST-526A, HQUST-531A, and HQUST-533A have concentrations of benzene that exceed the Aquifer Water Quality Standard (AWQS) of 5 µg/L. One well, CEP-520A, has benzene at a concentration below the AWQS. CEP-519A also has had toluene in excess of the AWQS of 1,000 µg/L.

Wells CEP-523A, HQUST-526A, HQUST-533A have had concentrations of methyl tert-butyl ether (MTBE) above the ADEQ Risk Based Level of 20 µg/L (ADEQ Release Reporting and Corrective Action Guidance Table 6.1.2.a). Wells CEP-518A, CEP-523A, and HQUST-533A have 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene above the ADEQ Risk Based Level of 12 µg/L

Wells CEP-519A, HQUST-523A, and HQUST-524A currently have free product (LNAPL) present on the groundwater. Because of the free product, well HQUST-524A has not yet been sampled. Free product is being actively removed from these three wells by the City of Tucson.

In addition to VOC's, two PAHs (acenaphthylene and naphthalene) were also detected in samples collected from CEP-518A, CEP-523A, HQUST-526A, CEP-528A, and HQUST-533A. Naphthalene was detected at concentrations above the MCL of 6.5 µg/L in wells CEP-518A, HQUST-523A, and HQUST-533A). No Tier 1 Clean-up Standard exists for acenaphthylene. Wells CEP-519A and CEP-524A, which both contain free product, have not been sampled for PAHs.

The single sample collected from well CEP-528A, the most distant downgradient well, was reported to contain low concentrations of MTBE, tetrachloroethene, and chloroform. During drilling of this well, soil staining and a slight organic odor were noted at approximately 30 to 35 feet bls. These field observations, coupled with the distance to the TFD/TPD site, indicate these detections are most likely not associated with this TFD/TPD facility.

The chemicals of concern with detections above Tier 1 standards for the perched groundwater impacted by the release of product from the subject site include benzene, MTBE, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and toluene.

12.0 CONCEPTUAL SITE MODEL

The following conceptual site model (CSM) for the TFD/TPD Fuel Island LUST Site provides a concise summary of what is currently known about the release that is the concern of this Initial Site Characterization Report. The CSM summarizes information regarding the sources, transport mechanisms, end exposure pathways for the chemicals of concern related to the release.

12.1 Primary and Secondary Sources

The concentrations of petroleum based compounds, and the depths at which they were first encountered in the subsurface soils, indicate that the primary source of the release was most likely at the former location of the dispenser island, very close to the location of monitoring well HQUST-524A (see Figures 3 and 4, Appendix 1). The secondary sources that affect the potential for exposure to the chemicals of concern are: 1) subsurface soils, 2) dissolved-phase compounds in the perched groundwater zone, and 3) free-phase compounds on the perched groundwater.

12.2 Transport Mechanisms

The transport mechanisms for the chemicals of concern for this site consist of advection and dispersion in the soil and perched groundwater. There are no man-made pathways that will contribute to the migration of petroleum based compounds from the release point. Most of the surrounding area, including the location of the former fueling facility, has been paved with concrete or asphalt since the installation of the UST system in 1972, thus limiting the effects of hydraulic pressure from precipitation and/or other surface releases percolating through the vadose zone. The pavement also limits the effects of other environmental mechanisms that could cause the volatilization and/or atmospheric dispersion of the chemicals of concern.

As shown on Figure 2, the gradient of the perched groundwater table in proximity to the site is only 0.003 foot/foot, further limiting the rate of migration once compounds reach the perched groundwater.

12.3 Exposure Pathways

The exposure pathways of concern for this release are: 1) dermal contact with petroleum impacted soils, 2) inhalation of particulates and/or vapors associated with the chemicals of concern, and 3) direct ingestion of petroleum impacted groundwater, free-phase compounds, and/or other compounds associated with the release. Because the subsurface location of the release point has been paved over, is distant from any biological receptors, and has not impacted the regional groundwater supply, there is currently little to no risk of impact to people, plants, and/or animals.

12.4 Area Occupants and Potential Receptors

The subject site is currently occupied by the Tucson Fire and Police Departments. The use of the site is anticipated to remain unchanged for the foreseeable future. The uses of adjoining properties are as follows:

North: West McCormick Street followed by, from east to west, Carrillo's Tucson Mortuary (204 South Stone Avenue) and the paved parking lot for Saint Augustine Cathedral.

- East: South Stone Avenue followed by, from north to south, Old Pueblo Printers (255 South Stone Avenue), a commercial complex with various tenants (267 South Stone Avenue), a City owned community building (330 South Scott Avenue), a six unit apartment complex (321 South Stone Avenue), and Midtown Liquor and Deli (339 South Stone Avenue).
- South: West Cushing Street followed by, from east to west, First Credit Union (340 South Stone Avenue), various professional office buildings (58, 70, and 78 West Cushing Street), and Bacon Industries art gallery (317 South Convent Avenue).
- West: South Church Avenue followed by the Tucson Community Center (260 South Church Avenue).

Groundwater wells registered on or within 0.25 mile of the subject site are listed on the table in Appendix 9. The wells are registered as either monitoring or piezometer wells. No production wells and/or other potable water supply wells are registered within 0.25 mile of the site. Other potential receptors of concern within one-quarter mile of the subject site are Carrillo Magnet School, approximately 0.2 mile southwest at 440 South Main Avenue, and Safford Engineering/Technology Magnet Middle School, approximately 0.25 mile east at 200 East 13th Street. There are no schools, day care centers, hospitals, nursing homes, recreational areas, or ecologically sensitive areas within 500 feet of the UST facility or the boundaries of the contaminant plume. The historical neighborhoods to the east (east of Stone Avenue) and to the south (south of Cushing Street) are used for mixed residential and commercial use. There are residences located within 500 feet of the site in these two areas, however, both areas are upgradient from the release point and should have no underlying impact from this site.

13.0 CONCLUSIONS

Through laboratory analysis of soil and groundwater samples and the discovered of free product, a release of petroleum based fuels (predominantly gasoline) from the City of Tucson Police/Fire Station UST facility site has been confirmed.

Field tests and laboratory analyses indicate the source of the release was most likely in the dispenser island area. Analysis of the field observations (PID readings, soil odor) in conjunction with the analytical test results further indicates that approximately 17 feet of the upper soils was probably removed and replaced with clean fill during UST removal. This is in agreement with

the report of 250 cubic yards of soil being transported off site for treatment at the time of UST removal. The extent of impacted soil due to the release is believed to be confined to the immediate area of the former UST system (Figure 6, Appendix 1) and is estimated to be less than 40 feet radially. The vertical extent of the release is to the perched groundwater zone, approximately 63 feet bls. A single low level detection of diesel range organics (32 mg/Kg) reported at the 20-foot depth of well HQUST-526A, located approximately 100 feet north of the suspected release point, is believed to be unrelated to the former UST system (possibly a false positive).

The release has impacted the perched groundwater, approximately 63 feet bls at the site, and free product is currently present in wells CEP-519A, HQUST-523A, and HQUST-524A. The amount of free product on the groundwater is currently unknown. Measurement and contouring of groundwater elevations in the wells indicates the direction of perched groundwater flow is to the west-northwest (Figure 2) and free product has migrated more than 250 feet downgradient from the release point. This conclusion is based on the presence of free product in well CEP-519A, located approximately 260 feet from the suspected release point. The extent of free product migration is estimated to be less than 400 feet based on the absence of free product in well HQUST-533A (located approximately 350 feet downgradient of the release point) and well HQUST-532A (located approximately 440 feet downgradient of the release point). The estimated area of impacted groundwater with free product is shown on Figure 2.

The extent of dissolved phase petroleum based compounds from this release point is estimated to be less than 1,400 feet downgradient (Figure 2). Dissolved phase compounds are present in well CEP-520A, located east of the convention center building at a distance of approximately 480 feet from the release point but were not detected in well HQUST-527, located west of the convention center building at a distance of approximately 1,380 feet from the release point. Low concentrations of MTBE, tetrachloroethene, and chloroform that were reported in the single groundwater sample collected from well HQUST 528A (located approximately 1,450 feet from the release point) are suspected of being unrelated to the Police/Fire Station release. This suspicion is reached based on soil samples collected and field observations made during the installation of well CEP-527A and CEP-528A in conjunction with a review of historic records for the area. Slight soil staining and low PID detections were observed in soils in these locations during well installation and low concentrations of diesel and gas range organics were reported in the soil samples collected from the 40 and 41 feet bls in these locations. A review of historic records indicates several facilities with underground storage tanks were located in this general area in the past.

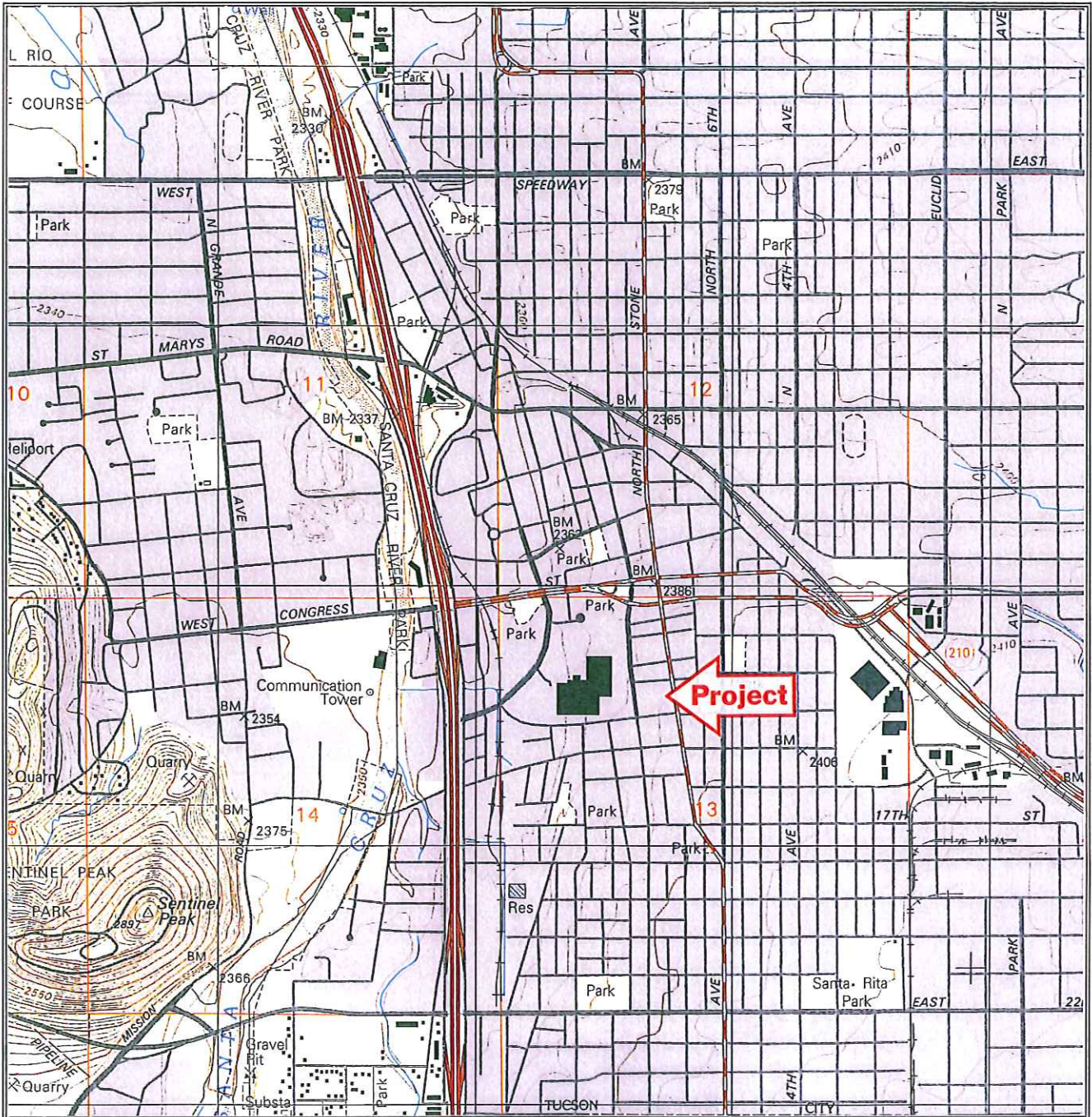
14.0 REFERENCES CITED

The following references were used in completing this well installation report and have been cited in the text where appropriate.

- Anderson, S.R. 1987. *Cenozoic Stratigraphy and Geologic History of the Tucson Basin, Pima County, Arizona*. U.S. Geological Survey Water-Resources Investigation Report 87-4190. USGS, prepared in cooperation with the City of Tucson, Arizona. Tucson, Arizona. October.
- Arizona Bureau of Mines (now the Arizona Geological Survey). 1969. *Mineral and Water Resources of Arizona*. Bulletin 180. Tucson. (Reprinted 1975).
- Davidson, E.S. 1973. *Geohydrology and Water Resources of the Tucson Basin, Arizona*. U.S. Geological Survey Water-Supply Paper 1939-E.
- Tucson Water. 2005. *Annual Static Water Level Basic Data Report, Tucson Basin and Avra/Altar Valley, Pima County, Arizona 1999*. Prepared by the Planning & Engineering Division. January 2005.

APPENDIX 1:

MAPS AND FIGURES



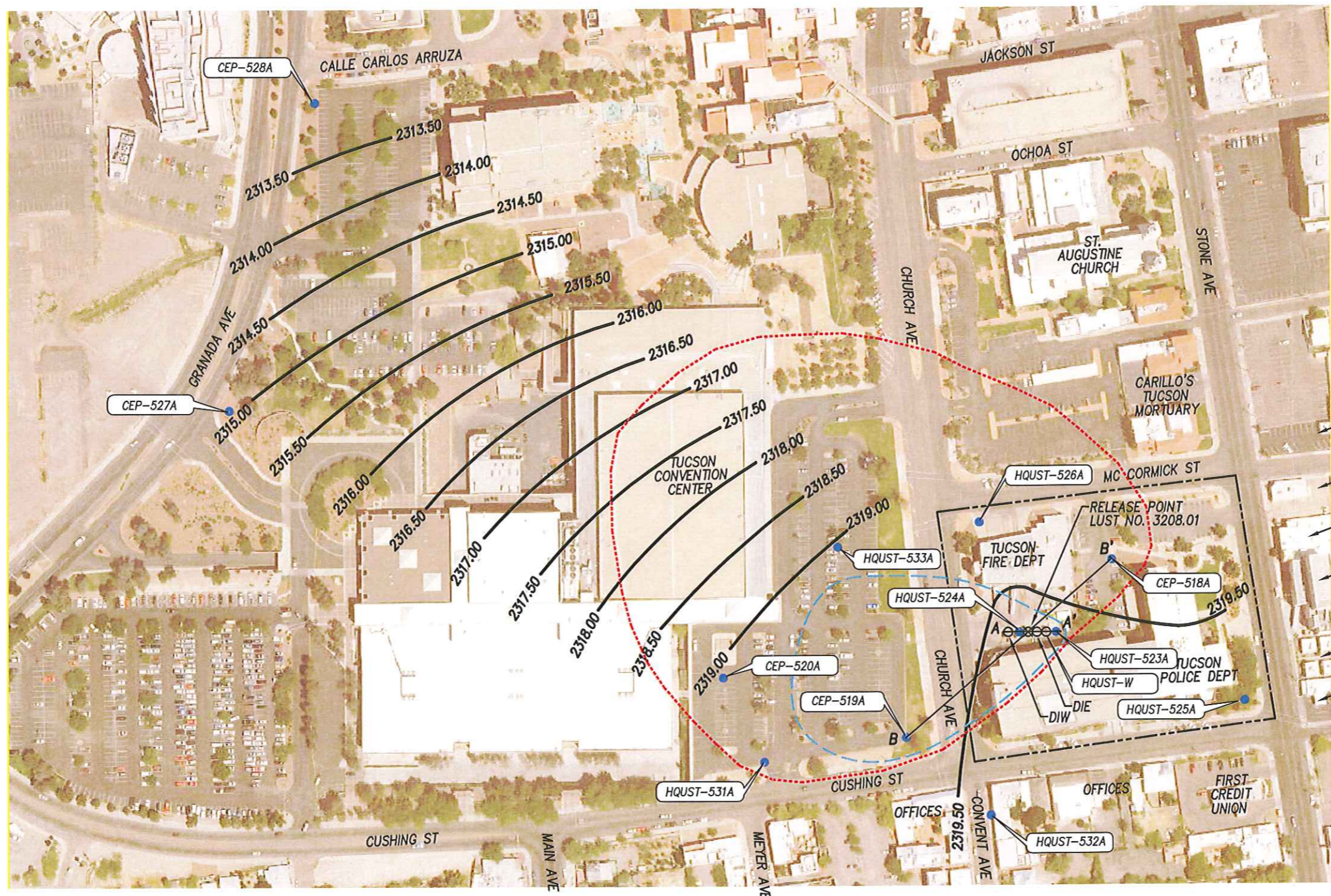
N

Source: USGS 7.5-Minute Quadrangles
 Tucson, AZ (1996)
 Contour Interval = 10 feet
 Scale = 1:24,000

Figure 1: Topography and Site Location



Engineering and Environmental Consultants, Inc.
 4625 E. Fort Lowell Road, Tucson, AZ 85712
 Phone: 520-321-4625 FAX: 520-321-0333



CONTOUR INT. = .5 FEET

LEGEND

- WELL LOCATIONS
- SOIL BORINGS
- ⊗ RELEASE POINT
- ▭ PROPERTY BOUNDARY
- ▭ ESTIMATED EXTENT OF PETROLEUM IMPACTED GROUNDWATER
- ▭ ESTIMATED EXTENT OF FREE PRODUCT
- A—A' CROSS-SECTIONAL LINE

NOTES

1. GROUNDWATER MEASUREMENTS TAKEN MAY 8, 2008.

- BRINGS FUNERAL HOME
- OLD PUEBLO PRINTERS
- OFFICES
- CITY OWNED COMMUNITY BLDG
- APARTMENTS
- MIDTOWN LIQUOR & DELI

D:\206100.41\Survey\FIG 2 GRND WTR ELEV.dwg Plotted: Aug 04, 2008 - 8:34am dlopez

eec
 Engineering and Environmental Consultants, Inc.
 4625 E. FT. LOWELL RD.
 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	KAP
DRAWN BY:	DML
CHK'D BY:	CSH
DATE:	5/2008
SCALE:	APPROX. 1"=200'

EEC PROJ. NO. 206100.41

**FIGURE 2:
WELL LOCATION MAP**

**TFD LUST SITE ADEQ LUST FILE 3208.01
MAY 8, 2008**

Figure 2B:

**City of Tucson Police/Fire Fuel Island LUST Site
Static Water Level Measurements 5/18/08**

Well	Wellhead Elevation	SWL	GW Elevation
CEP-518A	2385.57	66.36	2319.21
CEP-519A	2381.69	NM*	Not Calculated
CEP-520A	2379.42	60.38	2319.04
HQ-UST-523A	2382.85	NM*	Not Calculated
HQ-UST-524A	2382.21	NM*	Not Calculated
HQ-UST-525A	2391.5	71.89	2319.61
HQ-UST-526A	2379.57	60.59	2318.98
HQ-UST-527A	2357.48	42.5	2314.98
HQ-UST-528A	2359.78	46.48	2313.3
HQ-UST-531A	2378.36	59.18	2319.18
HQ-UST-532A	2382.75	63.28	2319.47
HQ-UST-533A	2379.29	60.2	2319.09

NM = Not Measured

* Static water level measurements were not taken due to the presense of free product removal equipment

Laboratory Soil Results

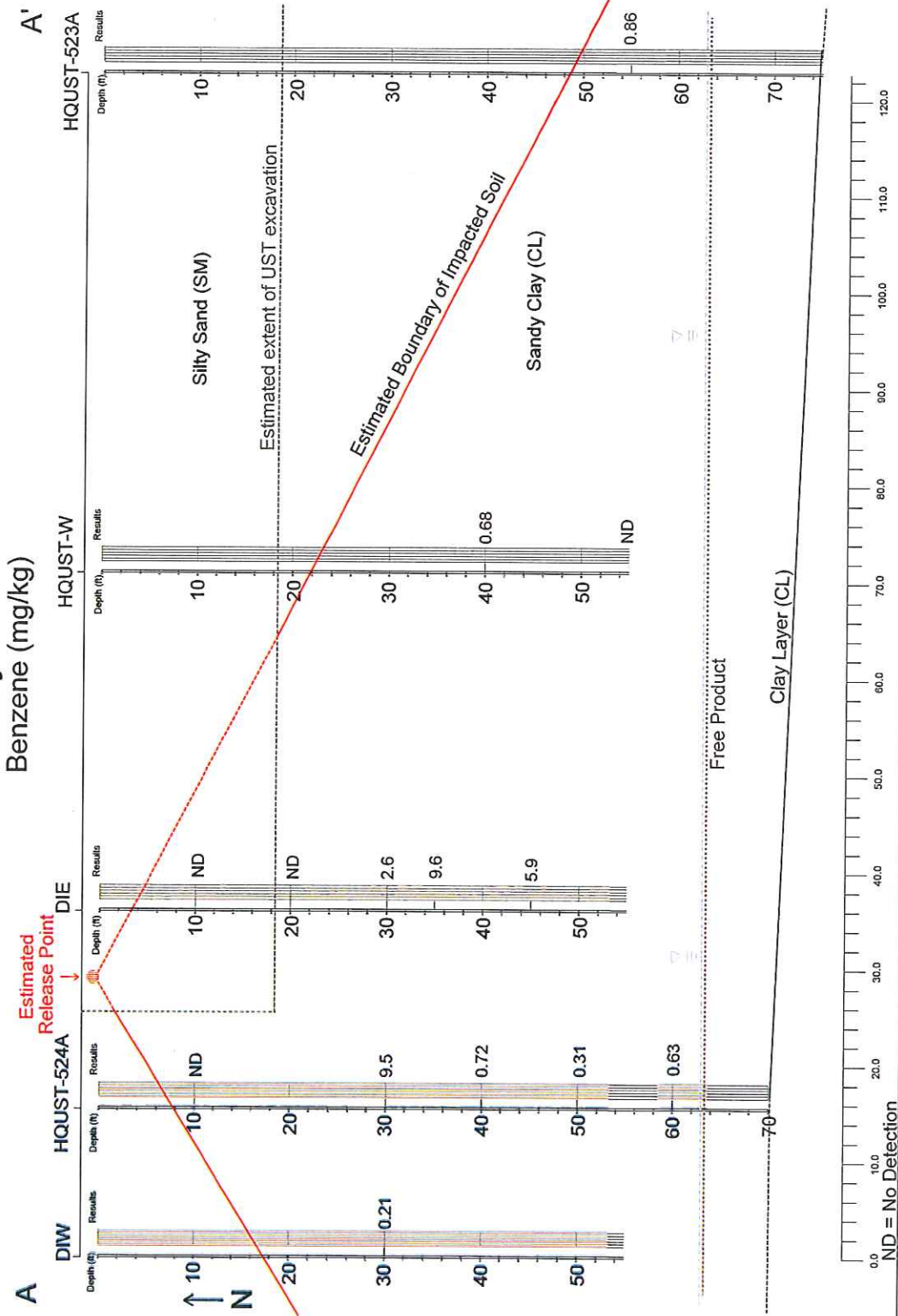
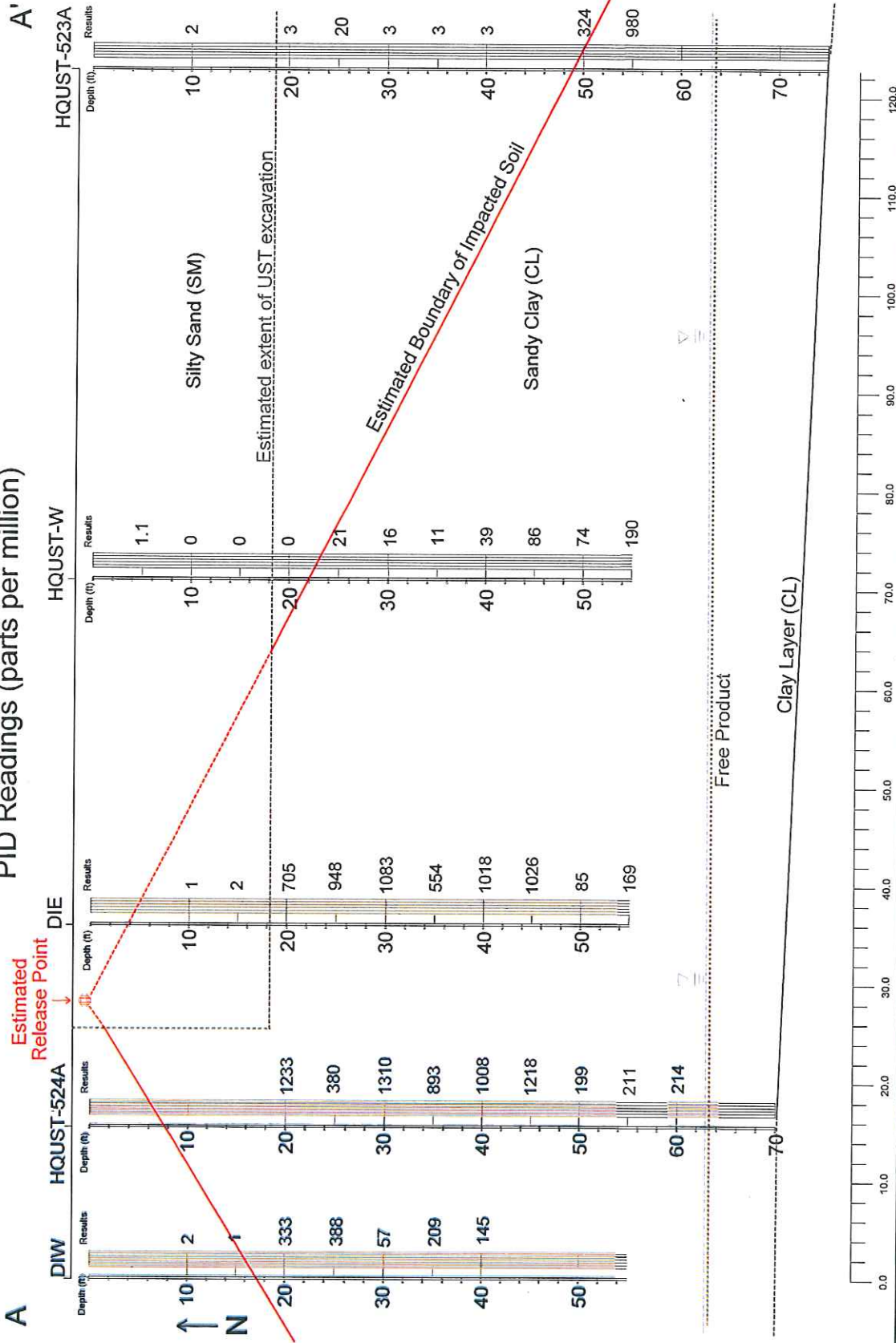


Figure 3:
Cross Section: Benzene Detections



Engineering and Environmental Consultants, Inc.
 4625 E. Fort Lowell Road, Tucson, AZ 85712
 Phone: 520-321-4625 FAX: 520-321-0333

PID Readings (parts per million)

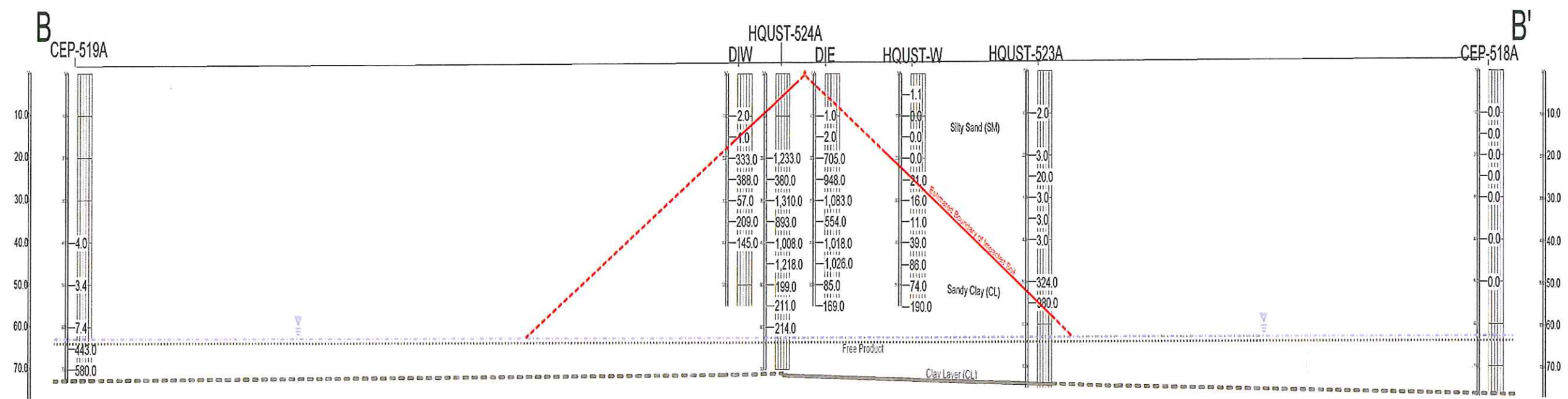


EEC

Engineering and Environmental Consultants, Inc.
 4625 E. Fort Lowell Road, Tucson, AZ 85712
 Phone: 520-321-4625 FAX: 520-321-0333

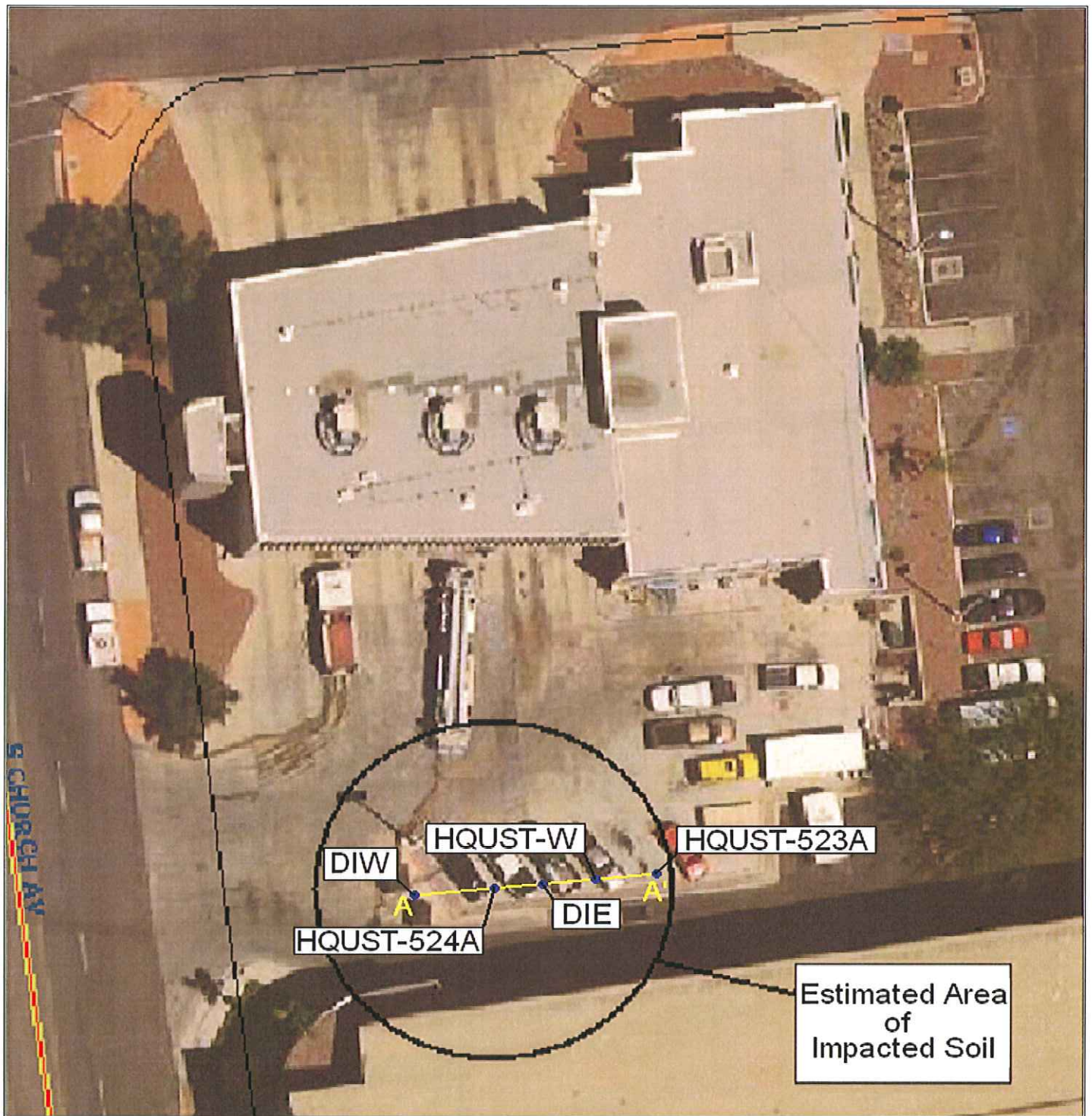
Figure 4:
 Cross Section: PID Readings

PID Readings (parts per million)



eec
 Engineering and Environmental Consultants, Inc.
 4625 E. Fort Lowell Road, Tucson, AZ 85712
 Phone: 520-321-4625 FAX: 520-321-0333

Figure 5:
 B – B' Cross Section: PID Readings



N

No Scale



Engineering and Environmental Consultants, Inc.
 4625 E. Fort Lowell Road, Tucson, AZ 85712
 Phone: 520-321-4625 FAX: 520-321-0333

Figure 6:
Horizontal Extent of Petroleum Impacted Soil

APPENDIX 2:

WELL REGISTRATION DOCUMENTATION



CITY OF TUCSON

December 8, 2006

Arizona Department of Water Resources
3550 N. Central Avenue
Phoenix, Arizona 85012

Dear Sir or Madam:

I, Richard M. Byrd, hereby authorize Layne Christensen Company to drill and install three groundwater monitoring wells located at the following locations

- ✓ • in the C¹⁰ ¼ of the A⁴⁰ ¼ of the B¹⁶⁰ ¼ Section 13 in Township 14S, and Range 13E. 55-906115
- ✓ • in the B ¼ of the D ¼ of the B ¼ Section 13 in Township 14S, and Range 13E. 55-906116
- ✓ • in the D ¼ of the B ¼ of the B ¼ Section 13 in Township 14S, and Range 13E. 55-906117

Sincerely,

Richard M. Byrd
Senior Hydrologist,
City of Tucson, Environmental Services,

P.O. Box 27210, Tucson, AZ 85726

CC: Central Energy Plant Assessment File

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD
SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-906115

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson

ADDRESS: P.O Box 27210, Tucson, AZ, 85726

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the NE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 12/7/2007

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

NOTICE! This well is located within an Active Management Area. Pursuant to A.R.S. § 45-454(C), this well may not be drilled if, at the time well drilling commences, any portion of the land on which the well is to be drilled is within 100 feet of the operating water distribution system of a municipal provider with a designation of assured water supply as shown on the most recent digitized service area map filed by the municipal provider with the director of ADWR.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- If the landowner and the well owner are not the same, by checking this box, I certify that I have obtained written approval from the landowner in order to conduct this drilling or abandonment project. A copy of the written approval shall be submitted to ADWR with the Well Driller Report and Well Log or Well Abandonment Completion Report within 30 days of completion of drilling or abandonment.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 458 • Phoenix, Arizona 85001-0458
 (602) 771-8627 • (800) 352-8488
 www.water.az.gov

Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.
 PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER D(14-13)13 BAC
WELL REGISTRATION NUMBER 55-906115
PERMIT NUMBER (IF ISSUED)

SECTION I - DRILLING AUTHORIZATION

Drilling Firm	NAME LAYNE CHRISTENSEN COMPANY	DWR LICENSE NUMBER 7
	ADDRESS 12030 EAST RIGGS ROAD	TELEPHONE NUMBER 480-895-9338
	CITY / STATE / ZIP CHANDLER, AZ, 85249-3701	FAX

SECTION II - REGISTRANT INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION OR INDIVIDUAL City of Tucson		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS P.O. Box 27210		TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE 1/4	40 ACRE 1/4	10 ACRE 1/4
CITY / STATE / ZIP Tucson, AZ, 85726		LATITUDE		"N	LONGITUDE		"W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)				<input type="checkbox"/> *GPS: Hand-Held	
TELEPHONE NUMBER 520 791-5414		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey				<input type="checkbox"/> *GPS: Survey-Grade	
FAX		LAND SURFACE ELEVATION AT WELL Feet Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, for 26 Well, Brth Well, etc.) CEP 518A		METHOD OF ELEVATION (CHECK ONE)				<input type="checkbox"/> *GPS: Hand-Held	
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey				<input type="checkbox"/> *GPS: Survey-Grade	
*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)							
		<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
COUNTY		ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)					
		BOOK		MAP		PARCEL	

SECTION III - WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
	CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input checked="" type="checkbox"/> Ball <input checked="" type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED 12-11-06 DATE WELL CONSTRUCTION COMPLETED 12-13-06

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE
-------------------------------	------

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 906115

SECTION 4 - WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth: DEPTH OF BORING 76 Feet Below Land Surface DEPTH OF COMPLETED WELL 75' Feet Below Land Surface

Water Level Information

STATIC WATER LEVEL: _____ Feet Below Land Surface DATE MEASURED: _____ TIME MEASURED: _____ IF FLOWING WELL, METHOD OF FLOW REGULATION: Valve Other: _____

Borehole			Installed Casing											BLOT SIZE (inches)	
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE
0'	76'	10 1/4	0'	75'	4.5		X			X				X	.020
			0'	55'						X				X	.020
			55'	75'											

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE		IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
					GROUT	CHIPS	PELLETS				
0	4'		X								
4	45				X						
45	50						X				
50	75								X		10X20

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 906115

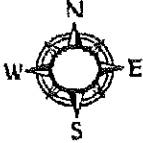
DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	25	caliche	
25	35	Sandy, Silty, Small cobbles	
35	76	Clay - moist brown soil	T

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 906115

SECTION 6: WELL SITE PLAN			
NAME OF WELL OWNER	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		PARCEL
City of Tucson	BOOK	MAP	

- ❖ Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- ❖ Please indicate the distance between the well location and any septic tank system or sewer system.

						
						1" = _____ ft



December 8, 2006

Arizona Department of Water Resources
3550 N. Central Avenue
Phoenix, Arizona 85012

Dear Sir or Madam:

I, Richard M. Byrd, hereby authorize Layne Christensen Company to drill and install three groundwater monitoring wells located at the following locations

- ✓ • in the C¹⁰ ¼ of the A⁴⁰ ¼ of the B¹⁶⁰ ¼ Section 13 in Township 14S, and Range 13E. 55-90615
- ✓ • in the B ¼ of the D ¼ of the B ¼ Section 13 in Township 14S, and Range 13E. 55-90616
- ✓ • in the D ¼ of the B ¼ of the B ¼ Section 13 in Township 14S, and Range 13E. 55-90617

Sincerely,

Richard M. Byrd
Senior Hydrologist,
City of Tucson, Environmental Services,

P.O. Box 27210, Tucson, AZ 85726

CC: Central Energy Plant Assessment File

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD
SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-906115

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson

ADDRESS: P.O Box 27210, Tucson, AZ, 85726

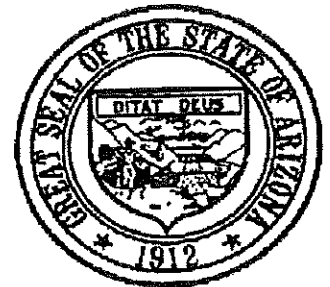
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the NE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 12/7/2007

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

NOTICE! This well is located within an Active Management Area. Pursuant to A.R.S. § 45-454(C), this well may not be drilled if, at the time well drilling commences, any portion of the land on which the well is to be drilled is within 100 feet of the operating water distribution system of a municipal provider with a designation of assured water supply as shown on the most recent digitized service area map filed by the municipal provider with the director of ADWR.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- If the landowner and the well owner are not the same, by checking this box, I certify that I have obtained written approval from the landowner in order to conduct this drilling or abandonment project. A copy of the written approval shall be submitted to ADWR with the Well Driller Report and Well Log or Well Abandonment Completion Report within 30 days of completion of drilling or abandonment.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.



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Well Driller Report
 and
 Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.
 PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER
 D(14:13)135DE
 WELL REGISTRATION NUMBER
 55 - 906116
 PERMIT NUMBER (IF ISSUED)

SECTION 1 DRILLING AUTHORIZATION

Drilling Firm	NAME LAYNE CHRISTENSEN COMPANY	DWR LICENSE NUMBER 7
	ADDRESS 12030 EAST RIGGS ROAD	TELEPHONE NUMBER 480-895-9336
	CITY / STATE / ZIP CHANDLER, AZ, 85249-3701	FAX

SECTION 2 REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS P.O. Box 27210		TOWNSHIP (N/S)	RANGE (EW)	SECTION	160 ACRE 1/4	40 ACRE 1/4	10 ACRE 1/4
CITY / STATE / ZIP Tucson, AZ, 85728		LATITUDE		"N	LONGITUDE		"W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)				<input type="checkbox"/> GPS: Hand-Held	
TELEPHONE NUMBER 520 791-5414		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey				<input type="checkbox"/> GPS: Survey-Grade	
FAX		LAND SURFACE ELEVATION AT WELL Feet Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, 1st 28 Well, Smith Well, etc.) CEP519A		METHOD OF ELEVATION (CHECK ONE)				<input type="checkbox"/> GPS: Hand-Held	
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey				<input type="checkbox"/> GPS: Survey-Grade	
IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)							
<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)							
COUNTY		ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)					
		BOOK	MAP	PARCEL			

SECTION 3 WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input checked="" type="checkbox"/> Ball <input checked="" type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump installed	DATE WELL CONSTRUCTION STARTED 12-14-06 DATE WELL CONSTRUCTION COMPLETED 12-16-06

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE
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Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 906116

SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth: DEPTH OF BORING **73** Feet Below Land Surface DEPTH OF COMPLETED WELL **12-16-06** Feet Below Land Surface

Water Level Information: STATIC WATER LEVEL **61'** Feet Below Land Surface DATE MEASURED **12-15-06** TIME MEASURED **8:00 a.m.** IF FLOWING WELL, METHOD OF FLOW REGULATION Valve Other:

Borehole			Installed Casing													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE DESCRIBE	BLANK OR NONE	WIREWRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE DESCRIBE	SLOT SIZE (inches)
0	73	10 1/4	0	52	4.5		X									
			52	72	4.5		X							X		.020

Installed Annular Material										FILTER PACK		
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	SAND	GRAVEL	SIZE
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE						
					GROUT	CHIPS	PELLETS					
0	4		X									
4	40				X							
40	46						X					
46	72								X		10x20	

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 908116

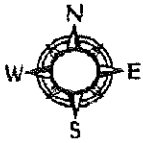
SECTION 5 - GEOLOGIC LOG OF WELL			Check (T) every interval where water was encountered (if known)
DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	
FROM (feet)	TO (feet)		
0	20	Caliche	
20	35	Small cobbles, sand	
35	73	Brown soil light clay	T

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 906116

SECTION 5: WELL SITE PLAN			
NAME OF WELL OWNER City of Tucson	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
	BOOK	MAP	PARCEL

- ❖ Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- ❖ Please indicate the distance between the well location and any septic tank system or sewer system.

						
						1" = _____ ft



CITY OF TUCSON

December 8, 2006

Arizona Department of Water Resources
3550 N. Central Avenue
Phoenix, Arizona 85012

Dear Sir or Madam:

I, Richard M. Byrd, hereby authorize Layne Christensen Company to drill and install three groundwater monitoring wells located at the following locations

- ✓ in the C ¹⁰/₄ of the A ⁴⁰/₄ of the B ¹⁶⁰/₄ Section 13 in Township 14S, and Range 13E. 55-906115
- ✓ in the B ¹⁰/₄ of the D ⁴⁰/₄ of the B ¹⁶⁰/₄ Section 13 in Township 14S, and Range 13E. 55-906116
- ✓ in the D ¹⁰/₄ of the B ⁴⁰/₄ of the B ¹⁶⁰/₄ Section 13 in Township 14S, and Range 13E. 55-906117

Sincerely,

Richard M. Byrd
Senior Hydrologist,
City of Tucson, Environmental Services,

P.O. Box 27210, Tucson, AZ 85726

CC: Central Energy Plant Assessment File

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD

SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-906118

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson

ADDRESS: P.O. Box 27210, Tucson, AZ, 85726

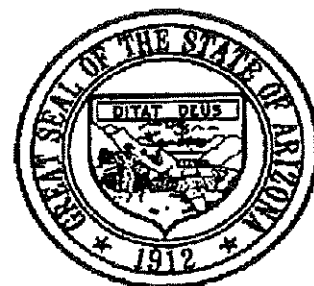
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

NW 1/4 of the SE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 12/7/2007

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

NOTICE! This well is located within an Active Management Area. Pursuant to A.R.S. § 45-454(C), this well may not be drilled if, at the time well drilling commences, any portion of the land on which the well is to be drilled is within 100 feet of the operating water distribution system of a municipal provider with a designation of assured water supply as shown on the most recent digitized service area map filed by the municipal provider with the director of ADWR.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- If the landowner and the well owner are not the same, by checking this box, I certify that I have obtained written approval from the landowner in order to conduct this drilling or abandonment project. A copy of the written approval shall be submitted to ADWR with the Well Driller Report and Well Log or Well Abandonment Completion Report within 30 days of completion of drilling or abandonment.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 458 • Phoenix, Arizona 85001-0458
 (602) 771-8627 • (800) 352-8488
 www.water.az.gov

Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER D(14-13)13 BED
WELL REGISTRATION NUMBER 55 - 808117
PERMIT NUMBER (IF ISSUED)

SECTION I: DRILLING AUTHORIZATION

Drilling Firm		DWR LICENSE NUMBER	
NAME LAYNE CHRISTENSEN COMPANY		7	
ADDRESS 12030 EAST RIGGS ROAD		TELEPHONE NUMBER 480-895-9336	
CITY / STATE / ZIP CHANDLER, AZ, 85249-3701		FAX	

SECTION II: REGISTRY INFORMATION

Well Owner		Location of Well			
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson		WELL LOCATION ADDRESS (IF ANY)			
MAILING ADDRESS P.O. Box 27210		TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE 1/4 40 ACRE 1/4 10 ACRE 1/4
CITY / STATE / ZIP Tucson, AZ, 85726		LATITUDE		"N	LONGITUDE "W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)		<input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade	
TELEPHONE NUMBER 520 791-5414	FAX	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level			
WELL NAME (e.g., MW-1, FZ-3, 1st 25 Well, Smith Well, etc.) CEP 520 A		METHOD OF ELEVATION (CHECK ONE)		<input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade	
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)			
		<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)			
		COUNTY	ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
			BOOK	MAP	PARCEL

SECTION III: WELL CONSTRUCTION DETAILS

Drilling Method		Method of Well Development		Method of Sealing at Reduction Points	
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)		CHECK ONE <input type="checkbox"/> Airlift <input checked="" type="checkbox"/> Ball <input checked="" type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)		CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swaged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)	
		Condition of Well		Construction Dates	
		CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed		DATE WELL CONSTRUCTION STARTED 12-19-06	
				DATE WELL CONSTRUCTION COMPLETED 12-21-06	

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE
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Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 906117

SECTION 4: WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth
DEPTH OF BORING 73' Feet Below Land Surface DEPTH OF COMPLETED WELL 72' Feet Below Land Surface

Water Level Information
STATIC WATER LEVEL 61.4' Feet Below Land Surface DATE MEASURED 12-19-06 TIME MEASURED 2:00 p.m. IF FLOWING WELL, METHOD OF FLOW REGULATION
 Valve Other:

Borehole			Installed Casing															
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (I)				PERFORATION TYPE (I)					SLOT SIZE (inches)			
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE DESCRIBE		
0	73	10 1/4	0	52	4.5		X											
			52	72	4.5		X							X				1.020

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (I)								FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	4		X									
4	42				X							
42	47							X				
47	72									X		10X20

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 906117

DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	30	caliche	
30	40	Sandy, small cobbles	
40	73	Brown soil, clay	T

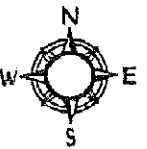
Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 906117

SECTION 6: WELL SITE PLAN

NAME OF WELL OWNER City of Tucson	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
	BOOK	MAP	PARCEL

- ❖ Please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- ❖ Please indicate the distance between the well location and any septic tank system or sewer system.

							
							1" = _____ ft

Job # 81-7801

South of Tucson Fire Dept

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

265 S. Church
HQ - 451 - 573 A

DRILLING CARD
SPECIAL REQUIRMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907043

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson / Environmental Services

ADDRESS: 100 N. Stone Ave, 2nd Floor, Tucson, AZ, 85701

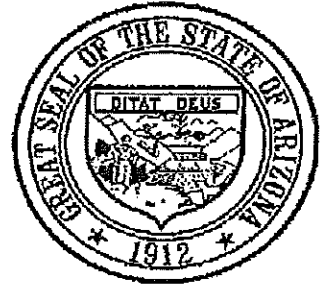
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

NW 1/4 of the SE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 5/16/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of Intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 458 • Phoenix, Arizona 85001-0458
 (602) 771-8627 • (800) 352-8488
 www.water.az.gov

Well Driller Report
 and
 Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER D(14-13)13 BDB
WELL REGISTRATION NUMBER 55 - 907043
PERMIT NUMBER (IF ISSUED)

SECTION 1: DRILLING AUTHORIZATION

Drilling Firm	
NAME LAYNE CHRISTENSEN COMPANY	DWR LICENSE NUMBER 7
ADDRESS 12030 EAST RIGGS ROAD	TELEPHONE NUMBER 480-895-9336
CITY / STATE / ZIP CHANDLER, AZ, 85249-3701	FAX

SECTION 1: REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson / Environmental Services		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 100 N. Stone Ave, 2nd Floor		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 13	160 ACRE NW 1/4	40 ACRE SE 1/4	10 ACRE NW 1/4
CITY / STATE / ZIP Tucson, AZ, 85701		LATITUDE		'N	LONGITUDE		'W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			<input type="checkbox"/> *GPS: Hand-Held		
TELEPHONE NUMBER 520 791-5414		<input type="checkbox"/> USGS Quad Map			<input type="checkbox"/> Conventional Survey		
FAX		LAND SURFACE ELEVATION AT WELL Foot Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, 1st 25 Well, Smith Well, etc.) HQ-UST-523A		METHOD OF ELEVATION (CHECK ONE)			<input type="checkbox"/> *GPS: Hand-Held		
		<input type="checkbox"/> USGS Quad Map			<input type="checkbox"/> Conventional Survey		
		<input type="checkbox"/> *GPS: Survey-Grade					
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
		COUNTY		ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)			
				BOOK		MAP	
				PARCEL			

SECTION 3: WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED 5-21-07
		DATE WELL CONSTRUCTION COMPLETED 5-22-07

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE

81-7801

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
65 - 907043

SECTION 4 - WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth	
DEPTH OF BORING 74.5 Feet Below Land Surface	DEPTH OF COMPLETED WELL 72' FT Feet Below Land Surface

Water Level Information

STATIC WATER LEVEL 105' Feet Below Land Surface	DATE MEASURED 5-23-07	TIME MEASURED 9:00 A.M.	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
---	--------------------------	----------------------------	--

Borehole			Installed Casing													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	72.5	10"	0	52	4.5		X			X						
			52	74	4.5		X						X			1020

Installed Annular Material

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
7	43				X							
43	48							X				
48	74.5								X			10x20

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907043

SECTION 5 - GEOLOGIC LOG OF WELL			
DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	28	caliche	
28	64	clay dark brown/redish in color	
64	74.5	silty, sandy clay light brown small grain	T

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD

SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-906117

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson

ADDRESS: P.O. Box 27210, Tucson, AZ, 85726

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SE 1/4 of the NW 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 12/7/2007

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

NOTICE! This well is located within an Active Management Area. Pursuant to A.R.S. § 45-454(C), this well may not be drilled if, at the time well drilling commences, any portion of the land on which the well is to be drilled is within 100 feet of the operating water distribution system of a municipal provider with a designation of assured water supply as shown on the most recent digitized service area map filed by the municipal provider with the director of ADWR.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance In upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- If the landowner and the well owner are not the same, by checking this box, I certify that I have obtained written approval from the landowner in order to conduct this drilling or abandonment project. A copy of the written approval shall be submitted to ADWR with the Well Driller Report and Well Log or Well Abandonment Completion Report within 30 days of completion of drilling or abandonment.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.

Job # 81-7801

~~NW Corner of Stone & Coaling Street~~

ARIZONA DEPARTMENT OF WATER RESOURCES HQ-UST-524A
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD

SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907042

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson / Environmental Services

ADDRESS: 100 N. Stone Ave, 2nd Floor, Tucson, AZ, 85701

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

NW NE 1/4 of the SE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 5/16/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 458 • Phoenix, Arizona 85001-0458
 (602) 771-8627 • (800) 352-8488
 www.water.az.gov

Well Driller Report
 and
 Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER D(14-13)13 BDA
WELL REGISTRATION NUMBER 55 - 907042
PERMIT NUMBER (IF ISSUED)

SECTION 1: DRILLING AUTHORIZATION

Drilling Firm	
NAME LAYNE CHRISTENSEN COMPANY	DWR LICENSE NUMBER 7
ADDRESS 12030 EAST RIGGS ROAD	TELEPHONE NUMBER 480-895-9336
CITY/STATE/ZIP CHANDLER, AZ, 85249-3701	FAX

SECTION 2: REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson / Environmental Services		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 100 N. Stone Ave, 2nd Floor		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 13	150 ACRE NW 1/4	40 ACRE SE 1/4	10 ACRE NW 1/4
CITY / STATE / ZIP Tucson, AZ, 85701		LATITUDE		"N	LONGITUDE		"W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			<input type="checkbox"/> *GPS: Hand-Held		
TELEPHONE NUMBER 520 791-5414		<input type="checkbox"/> USGS Quad Map			<input type="checkbox"/> Conventional Survey		
FAX		LAND SURFACE ELEVATION AT WELL Foot Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, Lot 25 Well, Smith Well, etc.) HQ-UST-524A		METHOD OF ELEVATION (CHECK ONE)			<input type="checkbox"/> *GPS: Hand-Held		
		<input type="checkbox"/> USGS Quad Map			<input type="checkbox"/> Conventional Survey		
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
		COUNTY		ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)			
				BOOK	MAP	PARCEL	

SECTION 3: WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jolted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Ball <input type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED 5-23-07
		DATE WELL CONSTRUCTION COMPLETED 5-24-07

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE
-------------------------------	------

56# 81-7801

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907042

SECTION 4: WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth	
DEPTH OF BORING 70 Feet Below Land Surface	DEPTH OF COMPLETED WELL 70 Feet Below Land Surface

Water Level Information			
STATIC WATER LEVEL 65' Feet Below Land Surface	DATE MEASURED 5-24-07	TIME MEASURED 3:00 p.m.	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:

Borehole			Installed Casing														
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)		
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE DESCRIBE	
0	70	10	0	50	4.5		X			X							
			50	70	4.5		X						X				0.020

Installed Annular Material												
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
02	40				X							
40	45							X				
45	70									X		10x20

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
 55 - 807042

DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	23	collar	
23	63	clay dark brown in color	
63	70	silty, sandy, clay light brown in color	T

ATTN/60y

81-7801

HQ - UST - 525A

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD

SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907068

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson / Environmental Services

ADDRESS: 100 N Stone Ave, 2nd Floor, Tucson, AZ, 85701

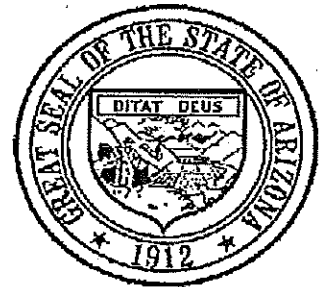
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

NE 1/4 of the SE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 5/20/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 458 • Phoenix, Arizona 85001-0458
 (602) 771-8627 • (800) 352-8488
 www.water.az.gov

Well Driller Report
 and
 Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER D(14-13)13 BDA
WELL REGISTRATION NUMBER 85 - 907068
PERMIT NUMBER (IF ISSUED)

SECTION 1: DRILLING AUTHORIZATION

Drilling Firm	
NAME LAYNE CHRISTENSEN COMPANY	DWR LICENSE NUMBER 7
ADDRESS 12030 EAST RIGGS ROAD	TELEPHONE NUMBER 480-095-9336
CITY / STATE / ZIP CHANDLER, AZ, 85249-3701	FAX

SECTION 1: REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson / Environmental Services		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 100 N Stone Ave, 2nd Floor		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 13	160 ACRE NW 1/4	40 ACRE SE 1/4	10 ACRE NE 1/4
CITY / STATE / ZIP Tucson, AZ, 85701		LATITUDE		LONGITUDE			
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: Hand-Held <input type="checkbox"/> GPS: Survey-Grade					
TELEPHONE NUMBER 520 837-3710	FAX	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level					
WELL NAME (e.g., MW-1, P23, lot 25 Well, Smith Well, etc.) Houst- 525 A		METHOD OF ELEVATION (CHECK ONE) <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> GPS: Hand-Held <input type="checkbox"/> GPS: Survey-Grade					
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
		COUNTY		ASSESSOR'S PARCEL ID NUMBER (MOST RECENT) BOOK MAP PARCEL			

SECTION 3: WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input checked="" type="checkbox"/> Ball <input type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED 6-8-07
		DATE WELL CONSTRUCTION COMPLETED 6-13-07

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE
-------------------------------	------

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
65 - 907068

SECTION 4: WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth	
DEPTH OF BORING 85' FT Feet Below Land Surface	DEPTH OF COMPLETED WELL 83.5' FT Feet Below Land Surface

Water Level Information			
STATIC WATER LEVEL 73 Feet Below Land Surface	DATE MEASURED 6-14-07	TIME MEASURED 9:00 A.M.	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:

Borehole			Installed Casing														
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)		
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE	
0	85	10	0	64	4.5		X										
			64	83.5	4.5		X							X			.020

Installed Annular Material												
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
2	50				X							
50	55							X				
55	83.5									X		10X20

DB# 81-7801

SE Corner of McCormick + Church

ARIZONA DEPARTMENT OF WATER RESOURCES HQ-UST-526 A
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD
SPECIAL REQUIRMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907044

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson / Environmental Services

ADDRESS: 100 N. Stone Ave, 2nd Floor, Tucson, AZ, 85701

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the NE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 5/16/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 458 - Phoenix, Arizona 85001-0458
 (602) 771-8627 * (800) 352-8488
 www.water.az.gov

Well Driller Report
 and
 Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.
 PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

FILE NUMBER
 D114-1913 BAC
 WELL REGISTRATION NUMBER
 55 - 907044
 PERMIT NUMBER (IF ISSUED)

SECTION 1: DRILLING AUTHORIZATION

Drilling Firm		
Mail To:	NAME LAYNE CHRISTENSEN COMPANY	DWR LICENSE NUMBER 7
	ADDRESS 12030 EAST RIGGS ROAD	TELEPHONE NUMBER 480-895-9335
	CITY / STATE / ZIP CHANDLER, AZ, 85249-3701	FAX

SECTION 1: REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson / Environmental Services		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 100 N. Stone Ave, 2nd Floor		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 13	160 ACRE NW 1/4	40 ACRE NE 1/4	10 ACRE SW 1/4
CITY / STATE / ZIP Tucson, AZ, 85701		LATITUDE		LONGITUDE			
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade					
TELEPHONE NUMBER 520 791-5414	FAX	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level					
WELL NAME (e.g., M-V-1, PZ-3, Int 25 Well, Smith Well, etc.) HQ-UST - 526 A		METHOD OF ELEVATION (CHECK ONE) <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade					
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)					
		COUNTY	ASSESSOR'S PARCEL ID NUMBER (MOST RECENT) BOOK MAP PARCEL				

SECTION 3: WELL CONSTRUCTION DETAILS

Drilling Method	Method of Well Development	Method of Sealing at Reduction Points
CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well	Construction Dates
	CHECK ONE <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED 5-31-07 DATE WELL CONSTRUCTION COMPLETED 6-4-07

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY _____ DATE _____

81-7801

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907044

SECTION 4: WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth	
DEPTH OF BORING 75 Feet Below Land Surface	DEPTH OF COMPLETED WELL 70 Feet Below Land Surface

Water Level Information			
STATIC WATER LEVEL 64' FT Feet Below Land Surface	DATE MEASURED 6.5.07	TIME MEASURED 9:00 AM	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:

Borehole			Installed Casing														
DEPTH FROM SURFACE		BOREHOLE DIAMETER (Inches)	DEPTH FROM SURFACE		OUTER (Inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (Inches)		
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE	
0	75	10	0	50	4.5		X										
			50	70	4.5		X							X			1020

Installed Annular Material												
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
2	40				X							
40	44							X				
44	75									X		10 X 20

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
 55-907044

SECTION 5: GEOLOGIC LOG OF WELL			
DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	10	caliche	
10	62	clay dark brown / redish color	
63	74	silty, sandy, clay light brown small grain	T
74	75	clay dark brown	

CEP-6217

7th STREET @ ARIZONA AVE BUFFER

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD
SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907234

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson - E.S.

ADDRESS: P.O. Box 27210, Tucson, AZ, 85726

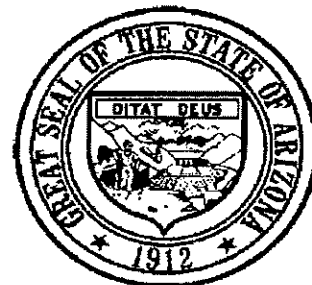
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SE 1/4 of the NW 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 6/16/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.

CEP-527A

ENTERED

FEB 29 2008

Well Driller Report
and
Well Log

MO



Arizona Department of Water Resources
Information Management Unit
P.O. Box 458 • Phoenix, Arizona 85001-0458
(602) 771-8627 • (800) 352-8488
www.water.az.gov

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

RECEIVED

FEB 21 2008

INFO MGMT

FILE NUMBER	D(14-13)13 BBD
WELL REGISTRATION NUMBER	55 - 907234
PERMIT NUMBER (IF ISSUED)	

SECTION 1: DRILLING AUTHORIZATION

Drilling Firm		
Mail To:	NAME LAYNE CHRISTENSEN COMPANY	DWR LICENSE NUMBER 7
	ADDRESS 12030 EAST RIGGS ROAD	TELEPHONE NUMBER 480-895-9336
	CITY / STATE / ZIP CHANDLER, AZ, 85249-3701	FAX

SECTION 1: REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson - E.S.		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS P.O. Box 27210		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 13	160 ACRE SE 1/4	40 ACRE NW 1/4	160 ACRE SE 1/4
CITY / STATE / ZIP Tucson, AZ, 85726		LATITUDE		LONGITUDE			
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)					
TELEPHONE NUMBER 520 791-5414		FAX		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade			
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)		METHOD OF ELEVATION (CHECK ONE)					
		<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> *GPS: Survey-Grade					
*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)							
<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify)							
COUNTY				ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)			
				BOOK MAP PARCEL			

SECTION 3: WELL CONSTRUCTION DETAILS

Drilling Method CHECK ONE <input type="checkbox"/> Air Rotary <input checked="" type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	Method of Well Development CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	Method of Sealing at Reduction Points CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify)
	Condition of Well CHECK ONE <input type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	Construction Dates
		DATE WELL CONSTRUCTION STARTED 6-18-07 DATE WELL CONSTRUCTION COMPLETED 6-18-07

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE
	2/11/08

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907234

SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth		
DEPTH OF BORING	51' ±	DEPTH OF COMPLETED WELL
	Feet Below Land Surface	50' ±
		Feet Below Land Surface

Water Level Information

STATIC WATER LEVEL	DATE MEASURED	TIME MEASURED	IF FLOWING WELL, METHOD OF FLOW REGULATION
43'	6-18-07	11:00 A.M.	<input type="checkbox"/> Valve <input type="checkbox"/> Other:
Feet Below Land Surface			

Borehole			Installed Casing														
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)		
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE	
0	51	10.	0	30	4.6		X			X							
			30	50	4.6		X						X				.070

Installed Annular Material

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	2		X									
2	21				X							
21	25						X					
25	50								X			10x20

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907234

SECTION 5. GEOLOGIC LOG OF WELL			
DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	20	caliche, Tan / white silty powder	
20	33	small cobbles	
33	43	clay dark brown, red in color	
43	51	sandy, silty clay light brown in color	T

CER-528A

7th STREET & ARIZONA AVE. Buffer
NEW

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD
SPECIAL REQUIRMENTS APPLY (WQARF/SUPERFUND) VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907236

AUTHORIZED DRILLER: LAYNE CHRISTENSEN COMPANY

LICENSE NO: 7

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson E.S.

ADDRESS: P.O. Box 27210, Tucson, AZ, 85726

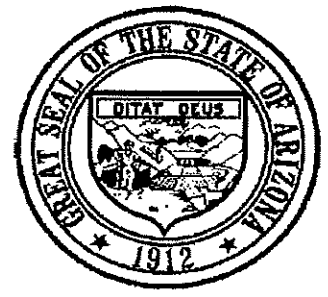
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the NW 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 6/16/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller:

- Thermoplastic Casing Surface Seal Variance in upper 20' of well.

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- By checking this box, I certify that I have read the applicable substantive policy statement regarding each variance that I am requesting, and that I shall comply with all of the requirements set forth therein.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.

EP-S28A

ENTERED

FEB 29 2008

Well Driller Report and Well Log

MO



Arizona Department of Water Resources Information Management Unit P.O. Box 458 Phoenix, Arizona 85001-0458 (602) 771-8627 (800) 352-8488 www.water.az.gov

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETION OF THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

RECEIVED

FEB 21 2008

INFO MGMT

FILE NUMBER D(14-13)13 BBC WELL REGISTRATION NUMBER 55 - 907236 PERMIT NUMBER (IF ISSUED)

SECTION 1: DRILLING AUTHORIZATION

Drilling Firm: NAME LAYNE CHRISTENSEN COMPANY, DWR LICENSE NUMBER 7, ADDRESS 12030 EAST RIGGS ROAD, TELEPHONE NUMBER 480-895-9336, CITY/STATE/ZIP CHANDLER, AZ, 85249-3701

SECTION 1: REGISTRY INFORMATION

Well Owner: City of Tucson E.S., Location of Well: 2/27/08 NO. TOWNSHIP (N/S) 14, RANGE (E/W) 13E, SECTION 13 SW 1/4, 40 ACRE NW 1/4, 10 ACRE SW 1/4, CONTACT PERSON NAME AND TITLE, METHOD OF LATITUDE/LONGITUDE (CHECK ONE), LAND SURFACE ELEVATION AT WELL, WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)

SECTION 3: WELL CONSTRUCTION DETAILS

Drilling Method: Bored or Augered, Method of Well Development: Surge Pump, Method of Sealing at Reduction Points: None, Construction Dates: DATE WELL CONSTRUCTION STARTED 6-19-07, DATE WELL CONSTRUCTION COMPLETED 6-19-07

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY, DATE 2/14/08

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907236

SECTION 4: WELL CONSTRUCTION DESIGN (AS BUILT) (attach additional page if needed)

Depth	
DEPTH OF BORING 51' ft Feet Below Land Surface	DEPTH OF COMPLETED WELL 50.5' ft Feet Below Land Surface

Water Level information

STATIC WATER LEVEL 45' ft Feet Below Land Surface	DATE MEASURED 6-19-07	TIME MEASURED 1:00 p.m.	IF FLOWING WELL, METHOD OF FLOW REGULATION <input type="checkbox"/> Valve <input type="checkbox"/> Other:
---	--------------------------	----------------------------	--

Borehole			Installed Casing															
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)			
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE		
0	51	10	0	30.5	4.5		X											
			30.5	50.5	4.5		X								X			.020

Installed Annular Material

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	2		X									
2	21				X							
21	25							X				
25	50.5									X		10 x 20

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907236

SECTION 5: GEOLOGIC LOG OF WELL			
DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	23	caliche Tan silty powder	
23	35	cobbles about 2" and smaller	
35	45	clay brown in color	
45	51	sandy silty clay light brown.	T

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD
SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND)

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907927

AUTHORIZED DRILLER: GEOMECHANICS SOUTHWEST, INC.

LICENSE NO: 498

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson, Environmental Services

ADDRESS: 100 N. Stone Ave, Tucson, AZ, 85701

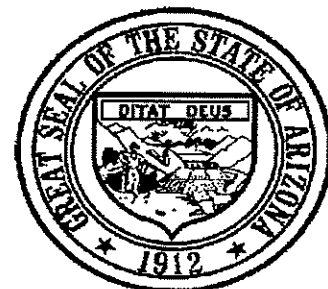
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the SE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1 ASSESSOR'S PARCEL NO: 117-20-029A

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 10/3/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller: None

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 33589 • Phoenix, Arizona 85067-3589
 (602) 771-8627 • (800) 352-8488
 www.water.az.gov

Well Driller Report and Well Log

FILE NUMBER
 D(00-9)1-596
 WELL REGISTRATION NUMBER
 55 - 907927
 PERMIT NUMBER (IF ISSUED)

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.
 PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

Drilling Firm	
NAME GEOMECHANICS SOUTHWEST, INC.	DWR LICENSE NUMBER 498
ADDRESS 5839 S. BELVEDERE AVE	TELEPHONE NUMBER 520-889-7787
CITY / STATE / ZIP TUCSON, AZ, 85706	FAX

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson, Environmental Services		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 100 N. Stone Ave		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 13	160 ACRE SW 1/4	40 ACRE SE 1/4	10 ACRE NW 1/4
CITY / STATE / ZIP Tucson, AZ, 85701		LATITUDE		"N	LONGITUDE		"W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)				*GPS: Hand-Held	
TELEPHONE NUMBER 520 791-4514		FAX		USGS Quad Map		Conventional Survey	
LAND SURFACE ELEVATION AT WELL		Feet Above Sea Level					
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)		METHOD OF ELEVATION (CHECK ONE)				*GPS: Hand-Held	
		USGS Quad Map		Conventional Survey		*GPS: Survey-Grade	
*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)							
NAD-83 Other (please specify)							
COUNTY PIMA				ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)			
BOOK 117		MAP 20		PARCEL 029A			

Drilling Method	Method of Well Development	Method of Casing and Production Points
CHECK ONE <input checked="" type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify) N/A
	Condition of Well	Construction Dates
	CHECK ONE <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED 10/18/07
		DATE WELL CONSTRUCTION COMPLETED 10/19/07

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY

[Handwritten Signature]

DATE

1/16/08

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907927

DEPTH OF BORING	73	Feet Below Land Surface	DEPTH OF COMPLETED WELL	73	Feet Below Land Surface
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STATIC WATER LEVEL	63	Feet Below Land Surface	DATE MEASURED	10/18	TIME MEASURED	3:30	IF FLOWING WELL, METHOD OF FLOW REGULATION	Valve	Other:
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DEPTH FROM SURFACE			BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)																																																																																																																																																	
FROM (feet)	TO (feet)	FROM (feet)		TO (feet)	STEEL		PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE																																																																																																																																																		
0	73	8	0	53						X											53	73						X				X			.020																																																																																																																														
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DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK																																																																																																																							
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE																																																																																																																					
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0	43			X									43	48												48	73							X				.020																																																																																											
43	48												48	73							X				.020																																																																																																								
48	73							X				.020																																																																																																																					

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907927

DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	73	SAND W/ SOME CLAY INTERMITTENT CEMENTATION G.W. @ 63'	

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD
SPECIAL REQUIRMENTS APPLY (WQARF/SUPERFUND)

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907928

AUTHORIZED DRILLER: GEOMECHANICS SOUTHWEST, INC.

LICENSE NO: 498

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson, Environmental Services

ADDRESS: 100 N. Stone Ave., Tucson, AZ, 85701

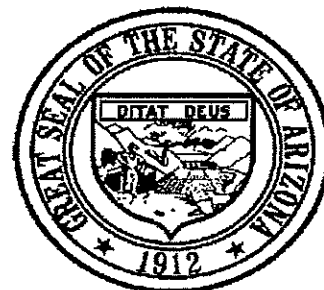
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

NW 1/4 of the SE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1 ASSESSOR'S PARCEL NO: 117-20-029A

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 10/3/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller: None

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 33589 • Phoenix, Arizona 85067-3589
 (602) 771-8627 • (800) 352-8488
 www.water.az.gov

Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

55-907928

WELL REGISTRATION NUMBER
55 - 907928
PERMIT NUMBER (IF ISSUED)

Drilling Firm	
NAME GEOMECHANICS SOUTHWEST, INC.	DWR LICENSE NUMBER 498
ADDRESS 5839 S. BELVEDERE AVE	TELEPHONE NUMBER 520-889-7787
CITY / STATE / ZIP TUCSON, AZ, 85706	FAX

Well Owner		Well Location					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson, Environmental Services		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 100 N. Stone Ave.		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 13	100 ACRE NW 1/4	40 ACRE SE 1/4	10 ACRE NW 1/4
CITY / STATE / ZIP Tucson, AZ, 85701		LATITUDE		"N	LONGITUDE		"W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			*GPS: Hand-Held		
TELEPHONE NUMBER 520 791-4514		USGS Quad Map			Conventional Survey		
FAX		LAND SURFACE ELEVATION AT WELL					
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)		METHOD OF ELEVATION (CHECK ONE)			*GPS: Hand-Held		
		USGS Quad Map			Conventional Survey		
		*GPS: Survey-Grade					
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		NAD-83 Other (please specify)					
		COUNTY PIMA		ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)			
				BOOK 117	MAP 20	PARCEL 029A	

Drilling Method	Method of Well Development	Method of Well Construction
CHECK ONE <input checked="" type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Ball <input checked="" type="checkbox"/> Surge Block <input type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)	CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify) N/A
	Condition of Well	Construction Dates
	CHECK ONE <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Pump Installed	DATE WELL CONSTRUCTION STARTED 9/11/07
		DATE WELL CONSTRUCTION COMPLETED 10/12/07

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY

[Handwritten Signature]

DATE

1/16/08

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907928

DEPTH OF BORING **74** Feet Below Land Surface | DEPTH OF COMPLETED WELL **74** Feet Below Land Surface

STATIC WATER LEVEL **63** Feet Below Land Surface | DATE MEASURED **10/11/07** | TIME MEASURED **2:00** | IF FLOWING WELL, METHOD OF FLOW REGULATION
Valve Other:

DEPTH FROM SURFACE			BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)
FROM (feet)	TO (feet)	FROM (feet)		TO (feet)	STEEL		PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	
0	74	8		0	53	4										
				53	73	4		X					X			.020

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	43			X								
43	48							X				
48	74									X		.020

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
 55 - 907928

DEPTH FROM SURFACE		Description Describe material, grain size, color, etc.	Check (T) every interval where water was encountered (if known)
FROM (feet)	TO (feet)		
0	74	SAND w/SOME CLAY INTERMITTENT CONCRETION G.W. @ 63'	

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 N. Central Avenue Suite 200
Phoenix, Arizona 85012

DRILLING CARD
SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND)

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: 55-907929

AUTHORIZED DRILLER: GEOMECHANICS SOUTHWEST, INC.

LICENSE NO: 498

NOTICE OF INTENT TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: City of Tucson

ADDRESS: 100 N. Stone Ave., Tucson, AZ, 85701

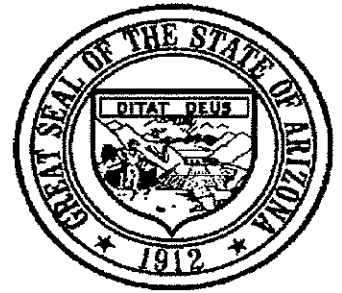
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the NE 1/4 of the NW 1/4 Section 13 Township 14 S Range 13 E

NO. OF WELLS IN THIS PROJECT: 1 ASSESSOR'S PARCEL NO: 117-20-029A

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF 10/3/2008

THE DRILLER MUST FILE A WELL DRILLER REPORT AND WELL LOG WITHIN 30 DAYS OF COMPLETION OF DRILLING



This drilling or abandonment authority was granted based upon the certifications made by the above-named Driller in the notice of intent to drill or abandon. Those certifications, along with any variances granted, are listed below. By drilling or abandoning the well pursuant to this authorization, the above-named driller acknowledges the accuracy of the driller certifications. If the certifications are in error, this authorization is invalid and driller must contact the Department of Water Resource's NOI Section in writing at the address above to correct.

Variance(s) Granted To Driller: None

Certification(s) Made By Driller:

- By checking this box, I certify that I have all necessary Registrar of Contractor (ROC) licenses in all necessary license categories for this drilling or abandonment project and that those licenses are current.
- I understand that this well site is located within the boundaries of a contamination area and that special construction or abandonment requirements shall be complied with, and by checking this box, I certify that I have read the applicable special requirements, and that I shall comply with those standards.
- By checking this box, I certify that this NOI application is not an application to replace, deepen, or modify an existing well.
- By checking this box, I certify that I have been authorized by the above-named well owner to submit this Notice of Intent on the well owner's behalf.
- By checking this box, I certify that the information above is complete and correct, and that the well shall be drilled or abandoned in compliance with all pertinent statutes and rules, including any special standards that may be required to protect the aquifer or other water sources.



Arizona Department of Water Resources
 Information Management Unit
 P.O. Box 33589 • Phoenix, Arizona 85067-3589
 (602) 771-8627 • (800) 352-8488
 www.water.az.gov

Well Driller Report
 and
 Well Log

WELL REGISTRATION NUMBER
 55 - 907929
 PERMIT NUMBER (IF ISSUED)

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL.
 PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

Drilling Firm	NAME GEOMECHANICS SOUTHWEST, INC.	DWR LICENSE NUMBER 498
	ADDRESS 5839 S. BELVEDERE AVE	TELEPHONE NUMBER 520-889-7787
	CITY / STATE / ZIP TUCSON, AZ, 85706	FAX

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL City of Tucson		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS 100 N. Stone Ave.		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 13	180 ACRE SW 1/4	40 ACRE NE 1/4	10 ACRE NW 1/4
CITY / STATE / ZIP Tucson, AZ, 85701		LATITUDE		"N	LONGITUDE		"W
CONTACT PERSON NAME AND TITLE		METHOD OF LATITUDE/LONGITUDE (CHECK ONE)			*GPS: Hand-Held		
TELEPHONE NUMBER 520 791-4514		USGS Quad Map			Conventional Survey		
FAX		LAND SURFACE ELEVATION AT WELL					
WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.)		METHOD OF ELEVATION (CHECK ONE)			*GPS: Hand-Held		
		USGS Quad Map			Conventional Survey		
		*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)					
		NAD-83 Other (please specify)					
		COUNTY PIMA	ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)				
			BOOK 117	MAP 20	PARCEL 029A		

Drilling Method	Method of Well Development		Method of Casing or Reduction Points			
	CHECK ONE <input checked="" type="checkbox"/> Air Rotary <input type="checkbox"/> Bored or Augered <input type="checkbox"/> Cable Tool <input type="checkbox"/> Dual Rotary <input type="checkbox"/> Mud Rotary <input type="checkbox"/> Reverse Circulation <input type="checkbox"/> Driven <input type="checkbox"/> Jetted <input type="checkbox"/> Air Percussion / Odex Tubing <input type="checkbox"/> Other (please specify)		CHECK ONE <input type="checkbox"/> Airlift <input type="checkbox"/> Bail <input checked="" type="checkbox"/> Surge Block <input checked="" type="checkbox"/> Surge Pump <input type="checkbox"/> Other (please specify)		CHECK ONE <input type="checkbox"/> None <input type="checkbox"/> Packed <input type="checkbox"/> Swedged <input type="checkbox"/> Welded <input type="checkbox"/> Other (please specify) N/A	
	Condition of Well		DATE WELL CONSTRUCTION STARTED		DATE WELL CONSTRUCTION COMPLETED	
CHECK ONE <input checked="" type="checkbox"/> Capped <input type="checkbox"/> Pump Installed		10/9/07		10/10/07		

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY

[Handwritten Signature]

DATE

1/16/08

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 907929

DEPTH OF BORING **72** Feet Below Land Surface DEPTH OF COMPLETED WELL **72** Feet Below Land Surface

STATIC WATER LEVEL **61** Feet Below Land Surface DATE MEASURED **10/9/07** TIME MEASURED **2:30** IF FLOWING WELL, METHOD OF FLOW REGULATION
Valve Other:

Borehole			Well													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	72	8	0	52			X			X						
			52	72			X						X			1020

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)										FILTER PACK	
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE	
						GROUT	CHIPS	PELLETS					
0	42			X									
42	47							X					
47	72									X		#10x20	

APPENDIX 3:

HEALTH AND SAFETY MEETING SIGNATURE SHEETS

EEC Tailgate Safety Meeting

Client: City of Tucson Environmental Services Location: Central Energy Plant HVAC Loop 2

Job Number: 206100.19 Date: December 11, 2006 Time: 0800 12/15/06

Type of Work: Soil Boring, sampling, and monitoring well installation

Project Manager: Kevin Pierce Site Safety Officer(s): K. Pierce & C. Hancock

Safety Topics Covered

Protective Clothing Required: Level D, consisting of, at a minimum, hard hat, steel toed boots, gloves, and reflective vest. Safety glasses may also be required should eye irritation occur.

Chemical Hazards: The contaminant of concern is Sodium Nitrite, a skin, eye, and respiratory system irritant. There is also a potential for fuel constituents in the perched groundwater table.

Special Equipment Required: Asphalt Saw, Air Knife (for potholing), Drill Rig, Fork Lift, and Tilt Hopper.

Emergency Procedures: On site first aid and/or transport to the hospital emergency room. 911 services will be used in case of serious injury.

Hospital: St. Mary's Hospital

Hospital Address: 1601 West St. Mary's Road, Tucson, AZ 85745

Emergency Phone: ()911 Hospital Phone: (520)872-3000

Other: _____

Attendees

Printed Name	Signature	Company/Organization
<u>Tommy Shover</u>	<u>[Signature]</u>	<u>LAYNE</u>
<u>Tommy Shover</u>	<u>[Signature]</u>	<u>Layne</u>
<u>William Bryan</u>	<u>[Signature]</u>	<u>Layne</u>
<u>Manuel Avila</u>	<u>[Signature]</u>	<u>LAYNE</u>

Meeting Conducted By: Chad Hancock

Signature: [Signature]

EEC Tailgate Safety Meeting

Client: City of Tucson Environmental Services Location: Central Energy Plant HVAC Loop 2

Job Number: 206100.19 Date: December 11, 2006 Time: 0800

Type of Work: Soil Boring, sampling, and monitoring well installation

Project Manager: Kevin Pierce Site Safety Officer(s): K. Pierce & C. Hancock

Safety Topics Covered

Protective Clothing Required: Level D, consisting of, at a minimum, hard hat, steel toed boots, gloves, and reflective vest. Safety glasses may also be required should eye irritation occur.

Chemical Hazards: The contaminant of concern is Sodium Nitrite, a skin, eye, and respiratory system irritant. There is also a potential for fuel constituents in the perched groundwater table.

Special Equipment Required: Asphalt Saw, Air Knife (for potholing), Drill Rig, Fork Lift, and Tilt Hopper.

Emergency Procedures: On site first aid and/or transport to the hospital emergency room. 911 services will be used in case of serious injury.

Hospital: St. Mary's Hospital

Hospital Address: 1601 West St. Mary's Road, Tucson, AZ 85745

Emergency Phone: () 911 Hospital Phone: (520)872-3000

Other: _____

Attendees

Printed Name	Signature	Company/Organization
<u>Guy Hanninen</u>	<u>Guy Hanninen</u>	<u>Layne</u>
<u>Jesus Pacheco</u>	<u>Jesus Pacheco</u>	<u>Layne</u>
<u>Kevin D. Gorman</u>	<u>[Signature]</u>	<u>HMS</u>
<u>JESUS A. VIVAS</u>	<u>JAV</u>	<u>HMS</u>
<u>Jose Morales</u>	<u>Jose Morales</u>	<u>HMS</u>
<u>Lois Egan</u>	<u>[Signature]</u>	<u>CUT-ES</u>
Meeting Conducted By: <u>Kevin Pierce</u>	<u>[Signature]</u>	Signature: <u>[Signature]</u>

EEC Tailgate Safety Meeting

Client: COT-ES Location: TCC West (Granada)
Job Number: _____ Date: 6/18/07 Time: 0930
Type of Work: Boring and well installation
Project Manager: Kevin Pierce Site Safety Officer: Chad Hancock

Safety Topics Covered

Protective Clothing Required: Hard hat / steel Toed boots (level D)

Chemical Hazards: Potential peroxidism, nitrates, and nitrites

Physical Hazards: Heat, drill rig

Special Equipment Required: Mobil B-61 drill rig

Emergency Procedures: On site first aid and transport to hospital or 911 in extreme situations.

Hospital: St. Mary's hospital

Hospital Address: Southwest corner Silverbell + St. Mary's

Emergency Phone: () 911 Hospital Phone: ()

Other: _____

Attendees

Printed Name	Signature	Company/Organization
<u>Guy Hanninen</u>	<u>Guy Hanninen</u>	<u>Layne</u>
<u>Joseph Pacheco</u>	<u>Joseph Pacheco</u>	<u>Layne</u>
<u>Kevin A. Pierce</u>	<u>Kevin A. Pierce</u>	<u>EEC</u>
_____	_____	_____
_____	_____	_____

Meeting Conducted By: Chad Hancock Signature: Chad S. Hancock

EEC Tailgate Safety Meeting

Client: COT-ES Location: TCC
Job Number: 200100 Date: 10/8/07 Time: 0800
Type of Work: Drilling and well installation
Project Manager: Kevin Pierce Site Safety Officer: Chad Hamrick

Safety Topics Covered

Protective Clothing Required: Level D (Hard hat, steel toe boots, reflective vests)

Chemical Hazards: Potential Gasoline vapors

Physical Hazards: Drilling / Sampling Equipment

Special Equipment Required: _____

Emergency Procedures: On site First Aid and Transport to St. Mary's Hospital - 911 in extreme cases

Hospital: St. Mary's

Hospital Address: St. Mary's + Silverbell

Emergency Phone: () 911 Hospital Phone: ()

Other: _____

Attendees

Printed Name	Signature	Company/Organization
<u>Eric Schafer</u>		<u>GSI</u>
<u>Luke Thompson</u>		<u>GSI</u>
<u>Kevin Pierce</u>		<u>EEC</u>
<u>David Thoraborg</u>		<u>GSI</u>
<u>Foster</u>		<u>GSI</u>
<u>ROBERTO POUJOR</u>		<u>GSI</u>

Meeting Conducted By: Chad Hamrick Signature: 

APPENDIX 4:
DRILLING LOGS



Engineering and Environmental Consultants
 4625 E. Fort Lowell Rd.
 Tucson, AZ 85712
 Telephone: 520-321-4625
 Fax: 520-321-0333

WELL NUMBER CEP-518A

PAGE 1 OF 1

PROJECT NUMBER	206100.19	DATE STARTED:	12/11/06
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	12/12/06
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	SCH 40 PVC / 4" I.D.
DRILLING METHOD	Hollow Stem Auger	SCREEN TYPE/SLOT	SCH 40 S.S. / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 Filter pack
GROUND ELEVATION	2386.02	GROUT TYPE/QUANTITY	Bentonite / Quantity undefined
TOP OF CASING	2385.52	DEPTH TO WATER	65.79
LOGGED BY	KP & CH / WB	GROUND WATER ELEVATION	2320.2
REMARKS			

PID (ppm)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
					5			Air knife to 6'. Caliche encountered @ ~4'.		
0	17 29 50		SS 1		10			Silty Sand, light gray, dry, carbonate cemented with fine gravels.	10.0	<p>Low carbon surface casing encases PVC from 0-20' Neat cement poured to grade 4" Schedule 40 PVC Grout Hydrated bentonite seal 10-20 Filter pack 4" 0.020-Inch slotted PVC Stainless steel bottom cap</p>
0	9 30 33		SS 2	SM	15			Silty Sand, light gray to white, dry, carbonate cemented.	15.0	
0	24 50/37		SS 3		20			Same as above, with some clay.	20.0	
0	12 14 20		SS 4		25			Sandy clay, medium brown, very slightly moist. No cementation.	25.0	
0	3 3 7		SS 5		30			Clay with some sand, light to medium brown, moist.	30.0	
				CL	35			Same as above.	35.0	
0	1 3 7		SS 6		40			Sandy Clay, medium green brown, moist.	40.0	
				CL	45				45.0	
0	18 18 50/4"		SS 7		50			Gravelly clay, medium brown, slightly moist clay. Medium granitic and MM gravel, some sand.	50.0	
				GC	55				55.0	
				CL	60			Sandy Clay with a few small gravels, medium brown, slightly moist to moist, moderately coarse sand.	60.0	
				CL	65				65.0	
				SW	70			Sand, well-graded, saturated.	70.0	
				SW	75			Well-graded coarse sand with fine gravel.	75.0	
				CL	77.0			Confining layer encountered @ ~77', Cemented clay.	77.0	
					78.0			Bottom of borehole at 77.0 feet	78.0	

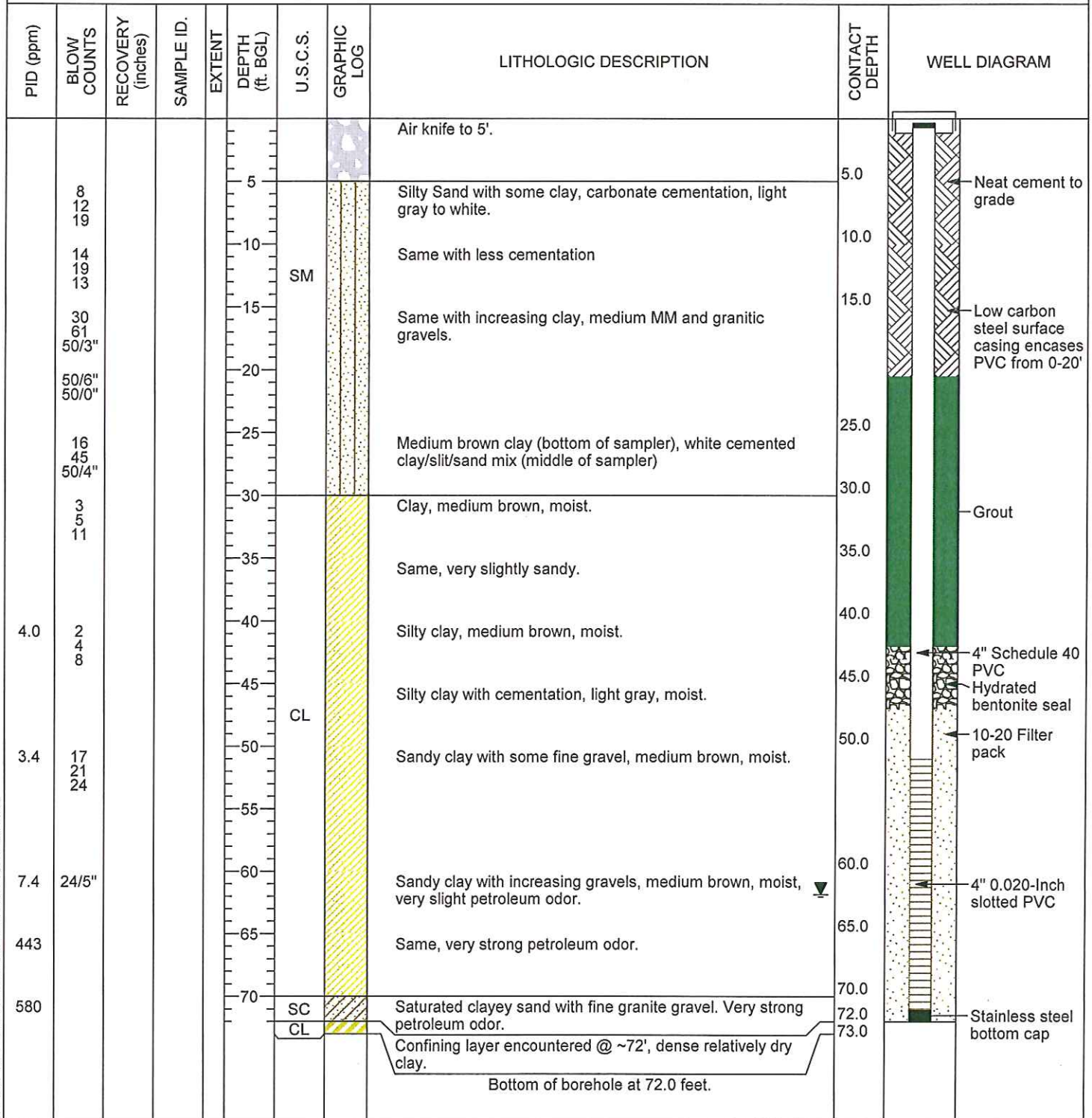
US LOG CEP LOGS.GPJ EEC.TEMPLATE1.GDT 07/31/08



Engineering and Environmental Consultants
 4625 E. Fort Lowell Rd.
 Tucson, AZ 85712
 Telephone: 520-321-4625
 Fax: 520-321-0333

WELL NUMBER CEP-519A

PROJECT NUMBER	206100.19	DATE STARTED:	12/19/06
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	12/20/06
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	SCH 40 PVC / 4" I.D.
DRILLING METHOD	Hollow Stem Auger	SCREEN TYPE/SLOT	SCH 40 S.S. / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 Filter pack
GROUND ELEVATION	2382.17	GROUT TYPE/QUANTITY	Bentonite / Quantity undefined
TOP OF CASING	2381.67	DEPTH TO WATER	61.84
LOGGED BY	CH / WB	GROUND WATER ELEVATION	2320.3
REMARKS			



US LOG CEP LOGS.GPJ EEC.TEMPLATE1.GDT 07/31/08

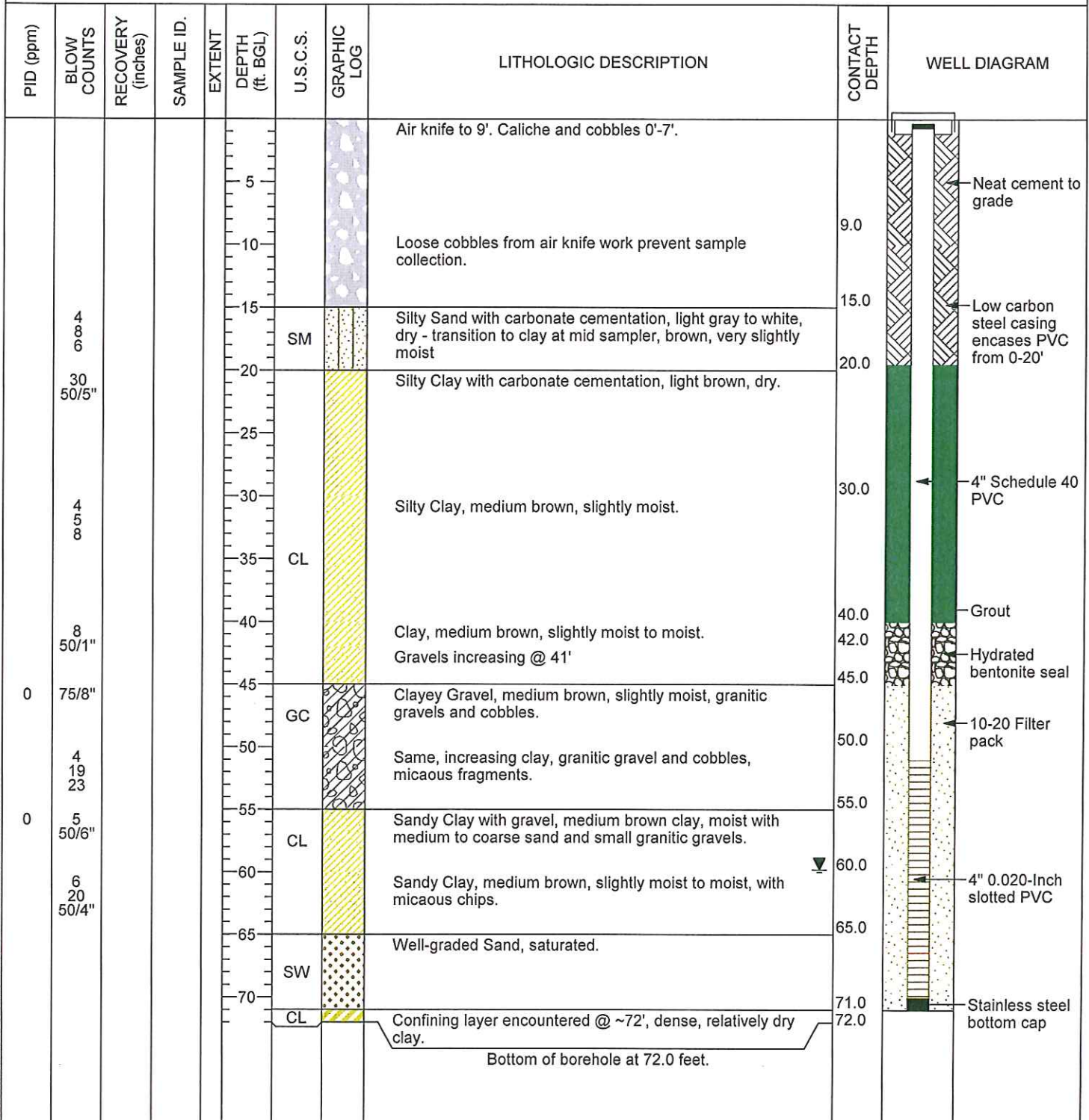


Engineering and Environmental Consultants
 4625 E. Fort Lowell Rd.
 Tucson, AZ 85712
 Telephone: 520-321-4625
 Fax: 520-321-0333

WELL NUMBER CEP-520A

PAGE 1 OF 1

PROJECT NUMBER	206100.19	DATE STARTED:	12/11/06
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	12/15/06
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	SCH 40 PVC / 4" I.D.
DRILLING METHOD	Hollow Stem Auger	SCREEN TYPE/SLOT	SCH 40 S.S. / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 Filter pack
GROUND ELEVATION	2379.90	GROUT TYPE/QUANTITY	Bentonite / Quantity undefined
TOP OF CASING	2379.40	DEPTH TO WATER	59.80
LOGGED BY	KP & CH / WB	GROUND WATER ELEVATION	2320.1
REMARKS			



US LOG CEP LOGS.GPJ EEC TEMPLATE1.GDT 07/31/08



Engineering and Environmental Consultants
 4625 E. Fort Lowell Rd.
 Tucson, AZ 85712
 Telephone: 520-321-4625
 Fax: 520-321-0333

WELL NUMBER HQUST-523A

PROJECT NUMBER	206100.41	DATE STARTED:	05/21/07
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	05/21/07
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	Schedule 40 PVC / 4"
DRILLING METHOD	HSA	SCREEN TYPE/SLOT	Schedule 40 / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 filter pack
GROUND ELEVATION	2383.35	GROUT TYPE/QUANTITY	Bentonite Grout
TOP OF CASING	2382.85	DEPTH TO WATER	63.32
LOGGED BY/REVIEWED BY	KP & CH	GROUND WATER ELEVATION	2320.0
REMARKS			

PID (ppm)	BLOW COUNTS	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
		5			Air knife to 7' bgs	7.0	<p>Grout</p> <p>Bentonite seal</p> <p>10-20 sand pack</p> <p>Well cap</p>
		10			Silty SAND (SM) fill material, medium brown, dry	10.0	
2	15 30 33	10	SC	[Hatched pattern]	CLAYEY SAND (CL), with fine granitic gravels, medium brown, slightly moist to moist	15.0	
		15			No sample return Hard drilling @ ~12' Possible caliche	20.0	
3	29 50/3"	20	SM	[Dotted pattern]	SILTY SAND (SM), with carbonate cementation, white color, dry	25.0	
20	7 27 19	25	CL	[Diagonal hatching]	CLAY (CL), medium brown, very fat, slightly moist	30.0	
3	6 16 22	30			Same as above, except greenish brown color	35.0	
3	5 9 11	35			Same as above, except medium brown	40.0	
3	16 24 26	40			Same as above, except increasing sand	45.0	
		45			CLAY (CL), with some sand, medium brown, slightly moist to moist	50.0	
324	6 19 27	50			Same as above petroleum odor	55.0	
980	4 11 29	55				60.0	
		60			SANDY CLAY (CL), with granitic gravels, medium brown, slightly moist	65.0	
		65				70.0	
		70			CLAY (CL), confining layer	72.5	
		74.5				74.5	

WITHOUT RECOVERY TFD.GPJ EEC.TEMPLATE1.GDT 07/31/08

Bottom of borehole at 74.5 feet.



Engineering and Environmental Consultants
 4625 E. Fort Lowell Rd.
 Tucson, AZ 85712
 Telephone: 520-321-4625
 Fax: 520-321-0333

WELL NUMBER HQUST-524A

PROJECT NUMBER	206100.41	DATE STARTED:	05/23/07
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	05/24/07
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	Schedule 40 PVC / 4"
DRILLING METHOD	HSA	SCREEN TYPE/SLOT	Schedule 40 / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 filter pack
GROUND ELEVATION	2382.71	GROUT TYPE/QUANTITY	Bentonite Grout
TOP OF CASING	2382.21	DEPTH TO WATER	62.71
LOGGED BY/REVIEWED BY	KP & CH	GROUND WATER ELEVATION	2320.0

REMARKS

PID (ppm)	BLOW COUNTS	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
1	3 2 11	5	CL		CLAY (CL), silty sandy clay		
0	11 15 15	10			SANDY CLAY (CL), very light brown to white, some carbonate cementation, slightly moist	10.0	
0	23 34 50/5"	15			CLAY (CL), with some gravel	15.0	
1233	18 50/3"	20			CLAY (CL), with strong carbonate cementation, medium brown to light brown, very slightly moist (caliche) strong petroleum odor	20.0	
380	9 21 26	25			CLAY (CL), medium brown with some areas of green, slightly moist to moist	25.0	
1310	3 3 10	30			Same as above	30.0	
893	3 7 15	35			CLAY (CL), carbonite cementation, light gray to white, moist strong petroleum odor	35.0	
1008	7 14 20	40			Same as above very strong petroleum odor	40.0	
1218	23 50/4"	45			Sandy CLAY (CL), with granitic gravels, medium brown, slightly moist very strong petroleum odor (gas and diesel)	45.0	
199	11 50/5"	50			Same as above strong petroleum odor	50.0	
211	9 19 24	55			Same as above, except with carbonate cementation, light to medium brown, slightly moist fuel odor	55.0	
214	7 15 23	60			Same as above	60.0	
	17 31 50/4"	65	SP		SAND (SP), poorly graded coarse sand, clay in sampler shoe, saturated	65.0	
		70	CL		Same as above CLAY (CL), confining layer	69.0 70.0 71.0	

WITHOUT RECOVERY TFD.GPJ EEC.TEMPLATE1.GDT 07/31/08

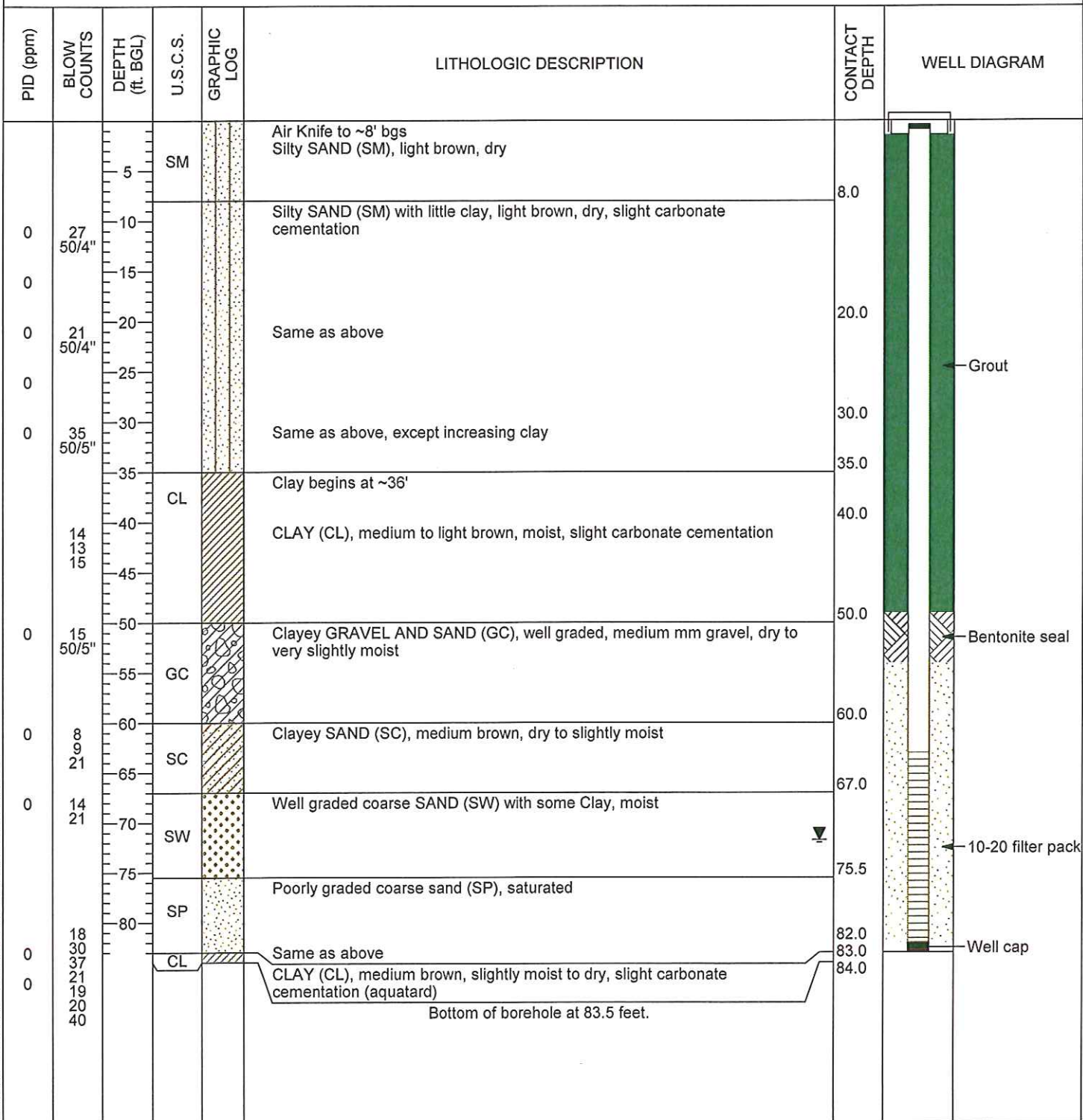
Bottom of borehole at 70.0 feet.



Engineering and Environmental Consultants
 4625 E. Fort Lowell Rd.
 Tucson, AZ 85712
 Telephone: 520-321-4625
 Fax: 520-321-0333

WELL NUMBER HQUST-525A

PROJECT NUMBER	206100.41	DATE STARTED:	06/05/07
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	06/05/07
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	Schedule 40 PVC / 4"
DRILLING METHOD	HSA	SCREEN TYPE/SLOT	Schedule 40 / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 filter pack
GROUND ELEVATION	2392.00	GROUT TYPE/QUANTITY	Bentonite Grout
TOP OF CASING	2391.50	DEPTH TO WATER	71.74
LOGGED BY/REVIEWED BY	KP & CH	GROUND WATER ELEVATION	2320.3
REMARKS			



WITHOUT RECOVERY TFD.GPJ EEC.TEMPLATE1.GDT 07/31/08

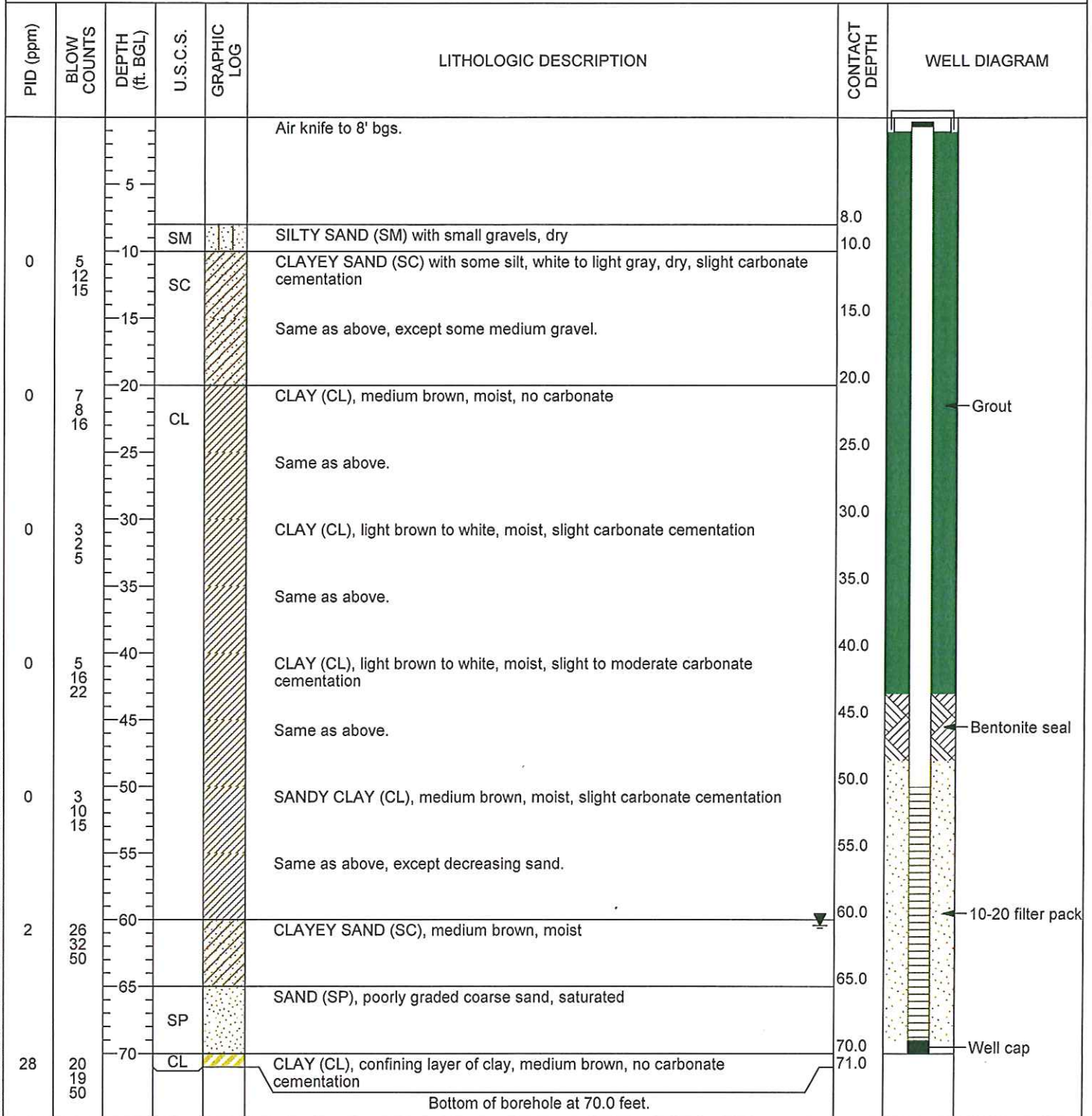


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WELL NUMBER HQUST-526A

PROJECT NUMBER	<u>206100.41</u>	DATE STARTED:	<u>05/31/07</u>
PROJECT NAME	<u>City of Tucson LUST #3208.01</u>	DATE COMPLETED	<u>05/31/07</u>
LOCATION	<u>Tucson, AZ</u>	CASING TYPE/DIAMETER	<u>Schedule 40 PVC / 4"</u>
DRILLING METHOD	<u>HSA</u>	SCREEN TYPE/SLOT	<u>Schedule 40 / 0.020"</u>
SAMPLING METHOD	<u>Split Spoon</u>	GRAVEL PACK TYPE	<u>10-20 filter pack</u>
GROUND ELEVATION	<u>2380.07</u>	GROUT TYPE/QUANTITY	<u>Bentonite Grout</u>
TOP OF CASING	<u>2379.57</u>	DEPTH TO WATER	<u>60.42</u>
LOGGED BY/REVIEWED BY	<u>KP & CH</u>	GROUND WATER ELEVATION	<u>2319.7</u>

REMARKS _____



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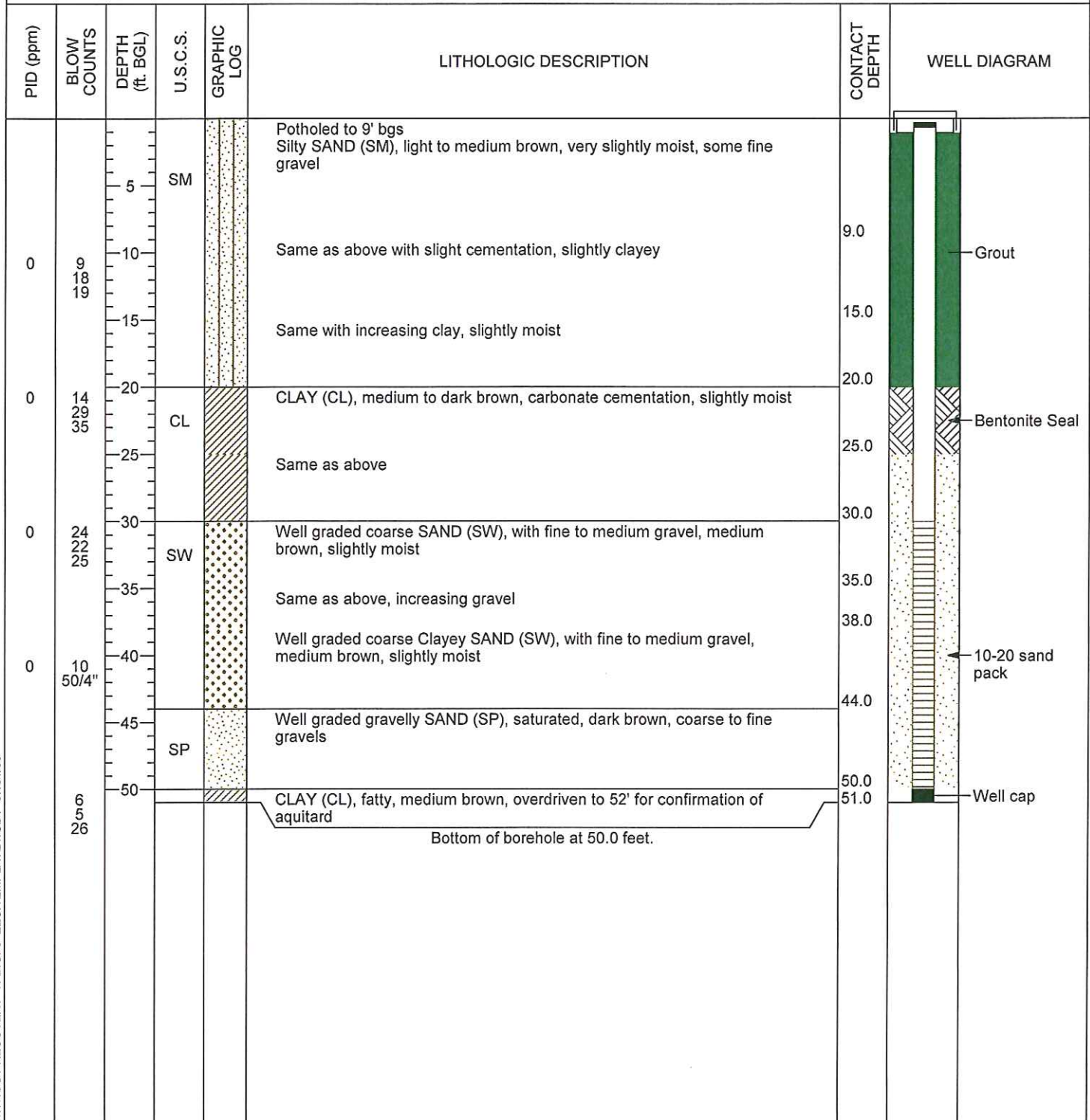


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WELL NUMBER CEP-527A

PROJECT NUMBER	206100.41	DATE STARTED:	06/18/07
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	06/18/07
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	Schedule 40 PVC / 4"
DRILLING METHOD	HSA	SCREEN TYPE/SLOT	Schedule 40 / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 filter pack
GROUND ELEVATION	2357.98	GROUT TYPE/QUANTITY	Bentonite Grout
TOP OF CASING	2357.48	DEPTH TO WATER	
LOGGED BY/REVIEWED BY	KP & CH	GROUND WATER ELEVATION	

REMARKS





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WELL NUMBER CEP-528A

PROJECT NUMBER 206100.41 DATE STARTED: 06/18/07
 PROJECT NAME City of Tucson LUST #3208.01 DATE COMPLETED 06/18/07
 LOCATION Tucson, AZ CASING TYPE/DIAMETER Schedule 40 PVC / 4"
 DRILLING METHOD HSA SCREEN TYPE/SLOT Schedule 40 / 0.020"
 SAMPLING METHOD Split Spoon GRAVEL PACK TYPE 10-20 filter pack
 GROUND ELEVATION 2360.28 GROUT TYPE/QUANTITY Bentonite Grout
 TOP OF CASING 2359.78 DEPTH TO WATER _____
 LOGGED BY/REVIEWED BY KP & CH GROUND WATER ELEVATION _____

REMARKS _____

PID (ppm)	BLOW COUNTS	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
		5	SM		Potholed to 10' bgs Silty SAND (SM), light to medium brown, very slightly moist, some fine gravel		<p>Labels in Well Diagram: - Grout (10.0 to 11.0 ft) - Bentonite seal (20.0 to 25.0 ft) - 10-20 sand pack (41.0 to 50.0 ft) - Well cap (51.0 ft)</p>
6.2	7 6 9	10			Same as above, except slightly clayey, hard drilling	10.0 11.0	
6.9	5 7 8	15	CL		Silty CLAY (CL), medium to dark brown, slightly moist, no odor or staining	15.0	
0	8 9 11	20			CLAY (CL), medium to dark brown, slight cementation	20.0	
		25			Same as above	25.0	
0	5 7 16	30			Same as above, except black soil, no cementation, no odor	30.0	
		35			Same with black staining, slight organic odor	35.0	
0	47 50/4"	40				41.0	
		45	SW		Well graded coarse SAND (SW), medium brown, slightly moist	45.0	
		48	SM		Well graded gravelly SAND (SM), medium reddish brown, moist	48.0	
		50	SP		Poorly graded medium SAND (SP), some fine to coarse gravel, very dark brown, saturated, no odor	50.0	
		51	CL		CLAY (CL), medium brown, slightly moist	51.0	
					Bottom of borehole at 51.0 feet.		

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WELL NUMBER HQUST-531A

PROJECT NUMBER	206100.19	DATE STARTED:	10/09/07
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	10/10/07
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	SCH 40 PVC / 4" I.D.
DRILLING METHOD	Hollow Stem Auger	SCREEN TYPE/SLOT	SCH 40 S.S. / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 Filter pack
GROUND ELEVATION	2379.36	GROUT TYPE/QUANTITY	Bentonite / Quantity undefined
TOP OF CASING	2378.36	DEPTH TO WATER	60.00
LOGGED BY	KP & CH	GROUND WATER ELEVATION	2319.4
REMARKS			

PID (ppm)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
					0-8'			Air Knifed to 8'		
0	4 6 12	18	SS	X	10	SM		SILTY SAND (SM) with carbonate cementation, light brown to white, dry	10.0	<p>Low carbon steel casing encases PVC from 0-20'</p> <p>Neat cement poured to grade</p> <p>Grout</p> <p>4" Schedule 40 PVC</p> <p>Hydrated bentonite seal</p> <p>10-20 Filter Pack</p> <p>4" 0.020-Inch slotted PVC</p> <p>Stainless steel bottom cap</p>
					10-15'	CL		SANDY CLAY (CL) medium brown, slightly moist to moist	15.0	
0	4 20 50/5"	17	SS	X	15	SP		POORLY GRADED SAND (SP) some silt and small gravels, light brown, slightly moist to moist	18.0	
					15-20'			Hard Drilling (caliche)	20.0	
0	13 45 37	18	SS	X	20			Same profile except slight cementation in middle and upper sleeves	25.0	
					20-25'			Same as above except 5" of return in bottom brass, very hard hammering	25.0	
0	50/5"	5	SS	X	25				30.0	
					25-30'				30.0	
0	11 21 15	18	SS	X	30	CL		SILTY CLAY (CL) medium brown, slightly moist	35.0	
					30-35'				35.0	
0	75 50/3"	9	SS	X	35			GRAVELLY SANDY CLAY (CL) medium brown, slightly moist, fine to coarse gravels	40.0	
					35-40'				40.0	
0	20 75 50/3"	15	SS	X	40	SC		CLAYEY SAND (SC) medium brown, slightly moist, some fine to coarse gravels	42.0	
					40-45'			Increasing gravels and cobbles	45.0	
0	13 20 10	18	SS	X	45	CL		SILTY CLAY (CL) medium brown, slightly moist, some sand and gravels in upper sleeve, no o/s	50.0	
					45-50'				50.0	
10.9	35 40 30	18	SS	X	50			CLAY (CL) with a little sand, medium brown, slightly moist, carbonate cementation, no o/s	55.0	
					50-55'				55.0	
15.6	20 65	18	SS	X	55	SC		CLAYEY SAND (SC) with granitic gravels, light brown, slightly moist, no o/s	60.0	
					55-60'				60.0	
0	18 60	18	SS	X	60	SW		WELL GRADED SAND (SW) with granitic gravels, light brown, moist, capillary fringe	65.0	
					60-65'				65.0	
0	13 10 15	18	SS	X	65			Same profile except saturated (water bearing unit)	70.0	
					65-70'				70.0	
	12 20	12	SS	X	70	CL		Same as above	71.5	
					70-72.5'			CLAY (CL) confining layer	72.5	
					72.5'			Bottom of borehole at 72.5 feet.		

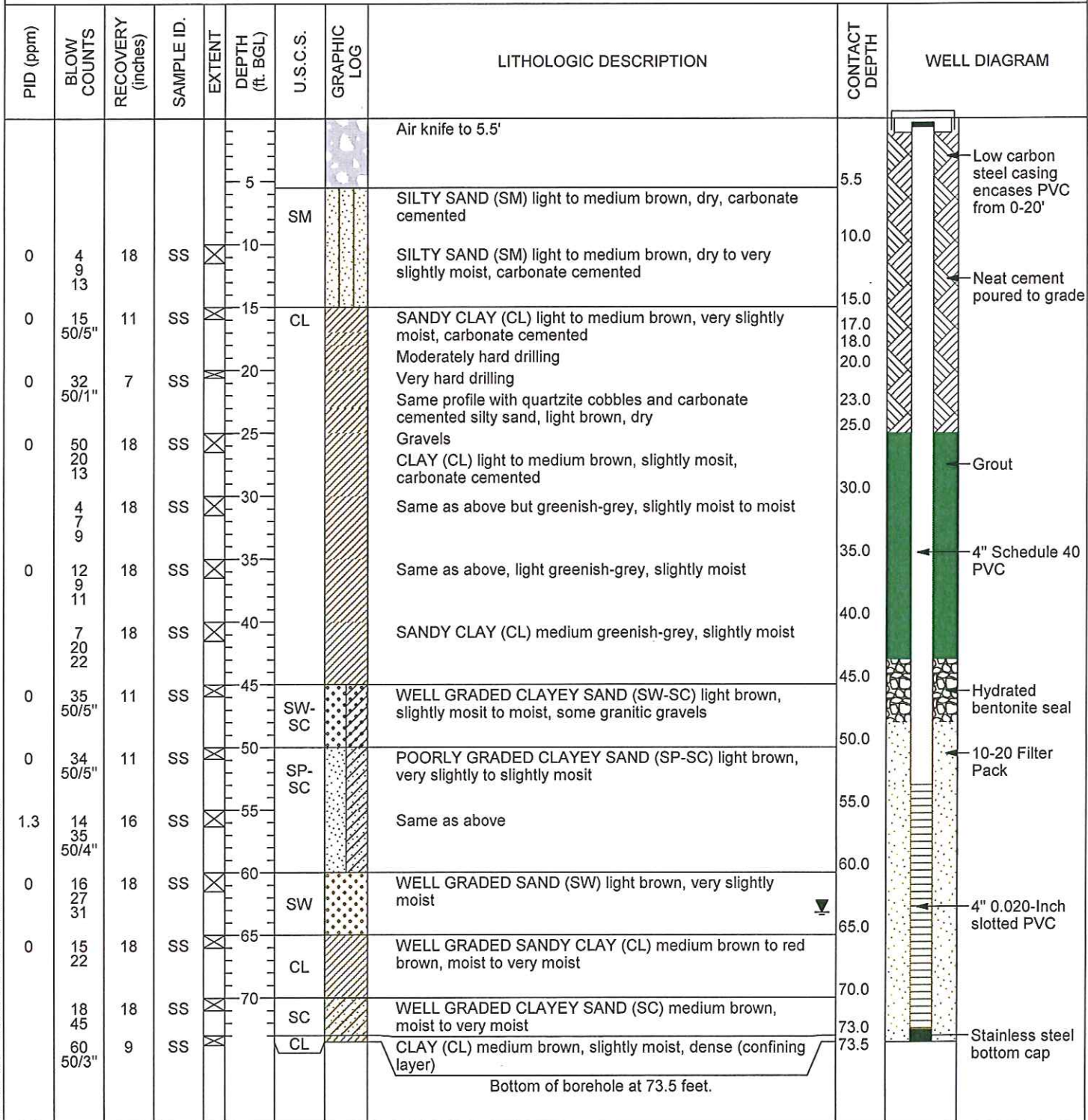
US LOG CEP LOGS.GPJ EEC.TEMPLATE1.GDT 07/31/08



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WELL NUMBER HQUST-532A

PROJECT NUMBER	206100.19	DATE STARTED:	10/11/07
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	10/12/07
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	SCH 40 PVC / 4" I.D.
DRILLING METHOD	Hollow Stem Auger	SCREEN TYPE/SLOT	SCH 40 S.S. / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 Filter pack
GROUND ELEVATION	2382.75	GROUT TYPE/QUANTITY	Bentonite / Quantity undefined
TOP OF CASING	2382.75	DEPTH TO WATER	63.20
LOGGED BY	KP & CH	GROUND WATER ELEVATION	2319.6
REMARKS			



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WELL NUMBER HQUST-533A

PROJECT NUMBER	206100.19	DATE STARTED:	10/18/07
PROJECT NAME	City of Tucson LUST #3208.01	DATE COMPLETED	10/19/07
LOCATION	Tucson, AZ	CASING TYPE/DIAMETER	SCH 40 PVC / 4" I.D.
DRILLING METHOD	Hollow Stem Auger	SCREEN TYPE/SLOT	SCH 40 S.S. / 0.020"
SAMPLING METHOD	Split Spoon	GRAVEL PACK TYPE	10-20 Filter pack
GROUND ELEVATION	2379.29	GROUT TYPE/QUANTITY	Bentonite / Quantity undefined
TOP OF CASING	2379.29	DEPTH TO WATER	59.99
LOGGED BY	KP & CH	GROUND WATER ELEVATION	2319.3

REMARKS

PID (ppm)	BLOW COUNTS	RECOVERY (inches)	SAMPLE ID.	EXTENT	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH	WELL DIAGRAM
					0			Air knife to 8'	8.0	<p>Low carbon steel casing encases PVC from 0-20'</p> <p>Neat cement poured to grade</p> <p>Grout</p> <p>4" Schedule 40 PVC</p> <p>Hydrated bentonite seal</p> <p>10-20 Filter Pack</p> <p>4" 0.020-Inch slotted PVC</p> <p>Stainless steel bottom cap</p>
0	5 7 16	18			10	SM		SILTY SAND (SM) medium brown, very slightly moist to slightly moist, fine to coarse grained gravels Same, light grey to white, dry, highly cemented (carbonate)	10.0	
0	8 33 43	18			15			Increasing gravels	15.0	
0	11 31 37	18			20			Same with clay, light gray to white, dry, carbonate cemented, coarse grained gravels Increasing clay, decreasing gravels	20.0	
0	6 6 12	18			25	CL		CLAY (CL) medium brown, slightly moist to moist, some carbonate cementation	25.0	
	4 9 10	0			30			Same profile with decreasing cementation	30.0	
0	8 19 22	18			35			Same profile with increasing cementation	35.0	
0	6 45 50/2"	14			40	SC		CLAYEY SAND (SC) with some small gravels (DG), medium brown, very slightly to slightly moist	40.0	
0	6 25 50	18			45			Same profile with gravels and DG, medium brown, slightly moist, no odors or staining	45.0	
12.3	10 15 18	18			50	CL		CLAY (CL) with some sand, medium brown, moist, very slight unknown odor	50.0	
26.7	13 44 38	18			55	SW		WELL GRADED SAND (SW) with some clay and small gravels, medium brown, moist, no odors or staining	55.0	
1390.3	21 95	18			60	SC		CLAYEY SAND (SC) gray-green staining, moist, very strong fuel-like odor	60.0	
34.7	9 26	18			65	SW		WELL GRADED SAND (SW) medium brown, saturated, slight petroleum odor, some granitic gravels	65.0	
	18 30/4"	18			70			Same profile, saturated	70.0	
	15 29	12			72.5	CL		CLAY (CL) medium brown, moist, dense (confining layer)	72.5	
					73.0			Bottom of borehole at 73.0 feet.	73.0	

US LOG CEP LOGS.GPJ EEC.TEMPLATE1.GDT 07/31/08



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BORING NUMBER DIE

PROJECT NUMBER 206100.41 DATE STARTED: 05/23/07
 PROJECT NAME City of Tucson LUST #3208.01 DATE COMPLETED 05/23/07
 LOCATION Tucson, AZ CASING TYPE/DIAMETER ----
 DRILLING METHOD HSA SCREEN TYPE/SLOT ----
 SAMPLING METHOD Split Spoon GRAVEL PACK TYPE ----
 GROUND ELEVATION _____ GROUT TYPE/QUANTITY ----
 TOP OF CASING ---- DEPTH TO WATER _____
 LOGGED BY/REVIEWED BY KP & CH GROUND WATER ELEVATION _____

REMARKS _____

PID (ppm)	BLOW COUNTS	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
					Air knife to 7' bgs	
		5				7.0
1	7 9 15	10	SM		SAND (SM), silty sand with little clay, some fine gravel, slight carbonate cementation	15.0
2	4 9 17	15	CL		CLAY (CL), some carbonate cementation, light brown to light gray, slightly moist to moist strong petroleum odor @ ~17'	20.0
705.1	50/4"	20	SM		SAND (SM), silty sand with carbonate cementation, light gray to white, dry (caliche) strong petroleum odor (gas)	25.0
948.4	5 10 18	25	CL		CLAY (CL), medium brown, slightly moist, slight cementation strong petroleum odor	30.0
1083.7	8 14 20	30			Same as above	35.0
554	2 5 11	35			CLAY (CL), light brown to white, carbonate cementation, slightly moist to moist strong petroleum odor	40.0
1018	4 5 10	40			SANDY CLAY (CL), some carbonate nodules, medium green brown	45.0
1026	11 6 10	45	SC		CLAYEY SAND (SC), well-graded clayey sand, some granitic gravels, medium brown, moist slight petroleum odor	50.0
85	7 18 22	50	CL		CLAY (CL), with some sand, medium brown, slightly moist, slight cementation slight to moderate petroleum odor	54.0
169	6 18 26	55	SC		CLAYEY SAND (SC), medium brown, slightly moist moderate petroleum odor	55.0
Bottom of borehole at 55.0 feet.						

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BORING NUMBER DIW

PROJECT NUMBER 206100.41 DATE STARTED: 05/23/07
 PROJECT NAME City of Tucson LUST #3208.01 DATE COMPLETED 05/23/07
 LOCATION Tucson, AZ CASING TYPE/DIAMETER ----
 DRILLING METHOD HSA SCREEN TYPE/SLOT ----
 SAMPLING METHOD Split Spoon GRAVEL PACK TYPE ----
 GROUND ELEVATION _____ GROUT TYPE/QUANTITY ----
 TOP OF CASING ---- DEPTH TO WATER _____
 LOGGED BY/REVIEWED BY KP & CH GROUND WATER ELEVATION _____

REMARKS _____

PID (ppm)	BLOW COUNTS	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
		5			Air knife to 6' bgs	
2	9 13 14	10	CL		SILTY CLAY (CL), light brown to light gray, slightly moist	10.0
1	9 11 28	15			Same as above, with some gravels	15.0
333	11 17 26	20			Same as above Diesel odor @ ~20'	20.0
388	3 2 6	25			CLAY (CL), medium brown with greenish hues, slightly moist petroleum odor (gas and diesel)	25.0
57	3 4 26	30			CLAY (CL), medium greenish brown, moist, slight to moderate odor	30.0
209	3 4 12	35			Same as above slight to moderate petroleum odor	35.0
145	7 21 50/4"	40			Same as above moderate petroleum odor	40.0
		45			Sandy CLAY (CL), medium brown, moist	45.0
		50			Bottom of borehole at 50.0 feet.	50.0



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BORING NUMBER HQ UST W

PROJECT NUMBER 206100.41 DATE STARTED: 05/29/07
 PROJECT NAME City of Tucson LUST #3208.01 DATE COMPLETED 05/29/07
 LOCATION Tucson, AZ CASING TYPE/DIAMETER ----
 DRILLING METHOD HSA SCREEN TYPE/SLOT ----
 SAMPLING METHOD Split Spoon GRAVEL PACK TYPE ----
 GROUND ELEVATION 2382.00 GROUT TYPE/QUANTITY ----
 TOP OF CASING ---- DEPTH TO WATER ----
 LOGGED BY/REVIEWED BY KP GROUND WATER ELEVATION ----

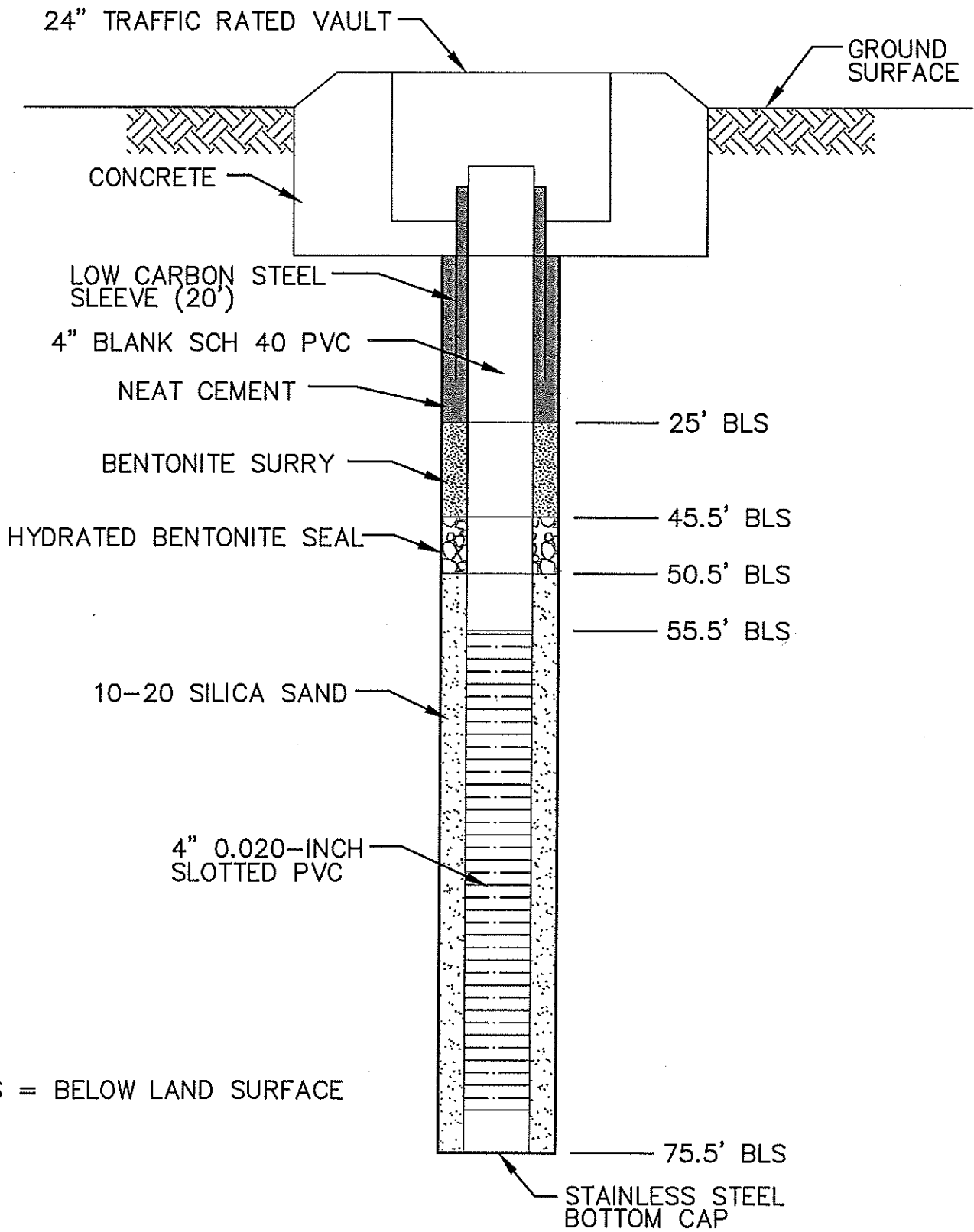
REMARKS

PID (ppm)	BLOW COUNTS	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH
1.1	2	5	SM		SILTY SAND (SM), with some clay and medium granitic gravels	
0	10 12 20	10			Same as above	10.0
0	10 26 30	15			Same as above, contact with some carbonate (caliche)	15.0
0	30 50/2"	20			SILTY SAND (SM), with some clay, white, dry, strong carbonate cementation	20.0
21	10 14 19	25	CL		CLAY (CL), medium brown with greenish/white carbonate nodules, slightly moist slight petroleum odor	25.0
16	10 8 20	30			CLAY (CL), medium brown to green brown, slightly moist to moist, no cementation slight petroleum odor	30.0
11	12 18 24	35			CLAY (CL), light greenish brown, moist, slight carbonate cementation slight to moderate petroleum odor (gas and diesel)	35.0
39	3 7 17	40			Sandy CLAY (CL), medium greenish brown, moist, slight carbonate cementation slight to moderate petroleum odor (gas and diesel)	40.0
86	45 50/3"	45	SC		CLAYEY SAND (SC), well graded sand, medium gravels, white to light gray slight to moderate petroleum odor (gas and diesel)	45.0
74	12 22 25	50	CL		SANDY CLAY (CL), medium brown, slightly moist, slight carbonate cementation	50.0
190	10 27 47	55	SC		CLAYEY SAND (SC), medium brown, slightly moist moderate petroleum odor	54.0 55.0
Bottom of borehole at 55.0 feet.						

WITHOUT RECOVERY TFD.GPJ EEC.TEMPLATE1.GDT 05/08/08

APPENDIX 5:

WELL SCHEMATICS



BLS = BELOW LAND SURFACE

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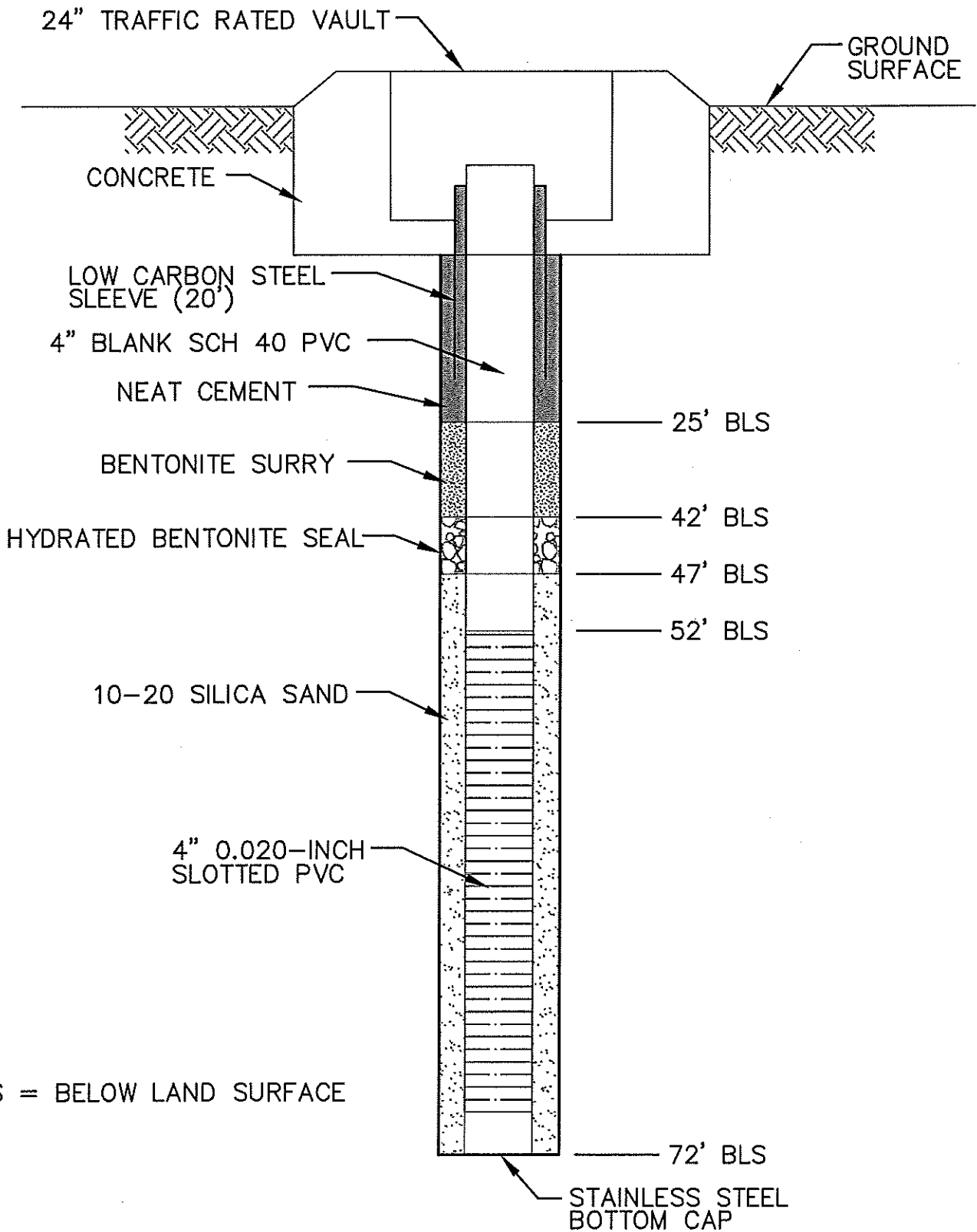


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DESIGNED BY:	KAP
DRAWN BY:	DML
CHK'D BY:	CSH
DATE:	06/2008
SCALE:	NTS

CEP-518A
GROUNDWATER MONITORING WELL

CITY OF TUCSON
 CENTRAL ENERGY PLANT



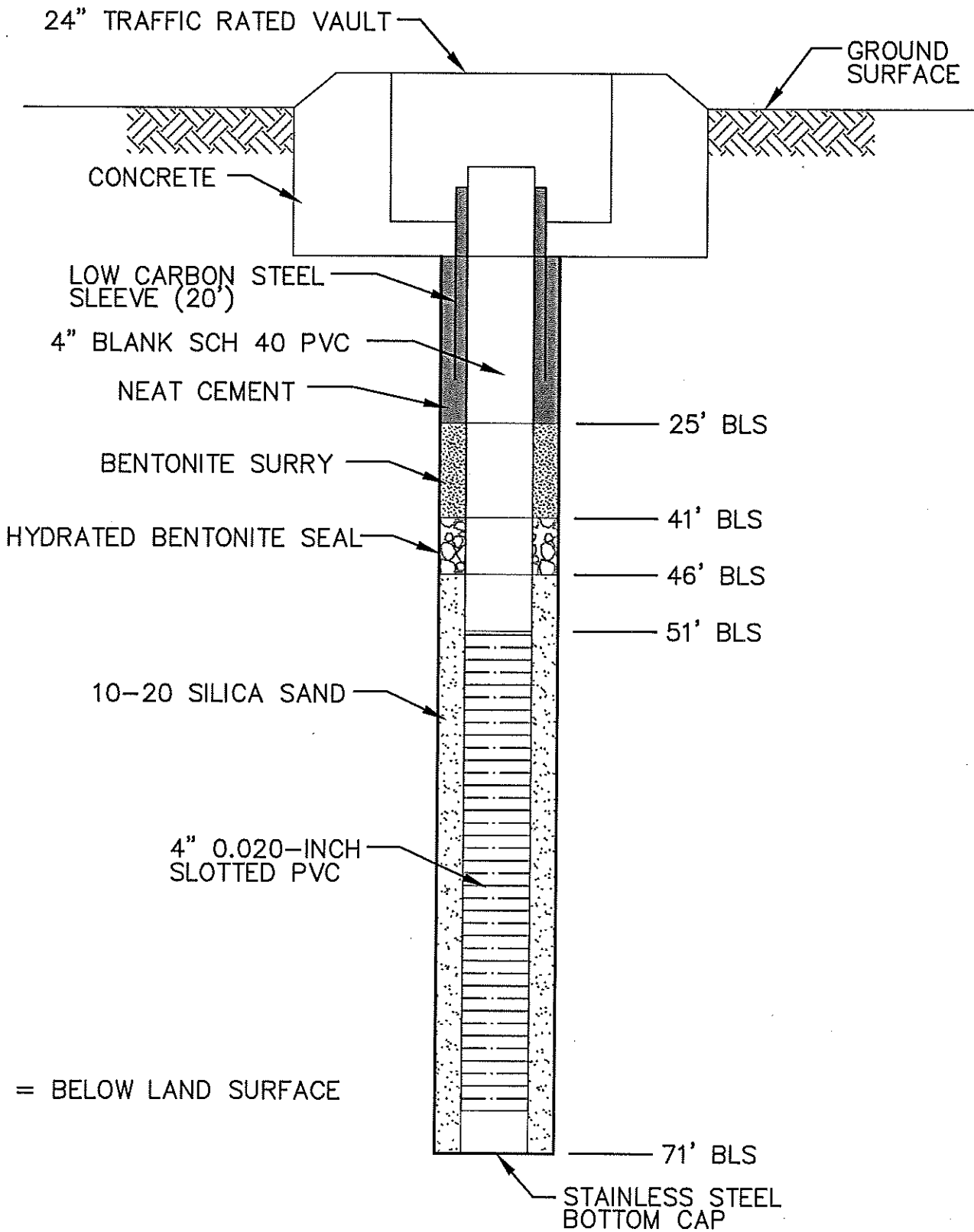
BLS = BELOW LAND SURFACE

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DESIGNED BY: KAP	CEP-519A GROUNDWATER MONITORING WELL
DRAWN BY: DML	
CHK'D BY: CSH	
DATE: 06/2008	CITY OF TUCSON CENTRAL ENERGY PLANT
SCALE: NTS	



BLS = BELOW LAND SURFACE

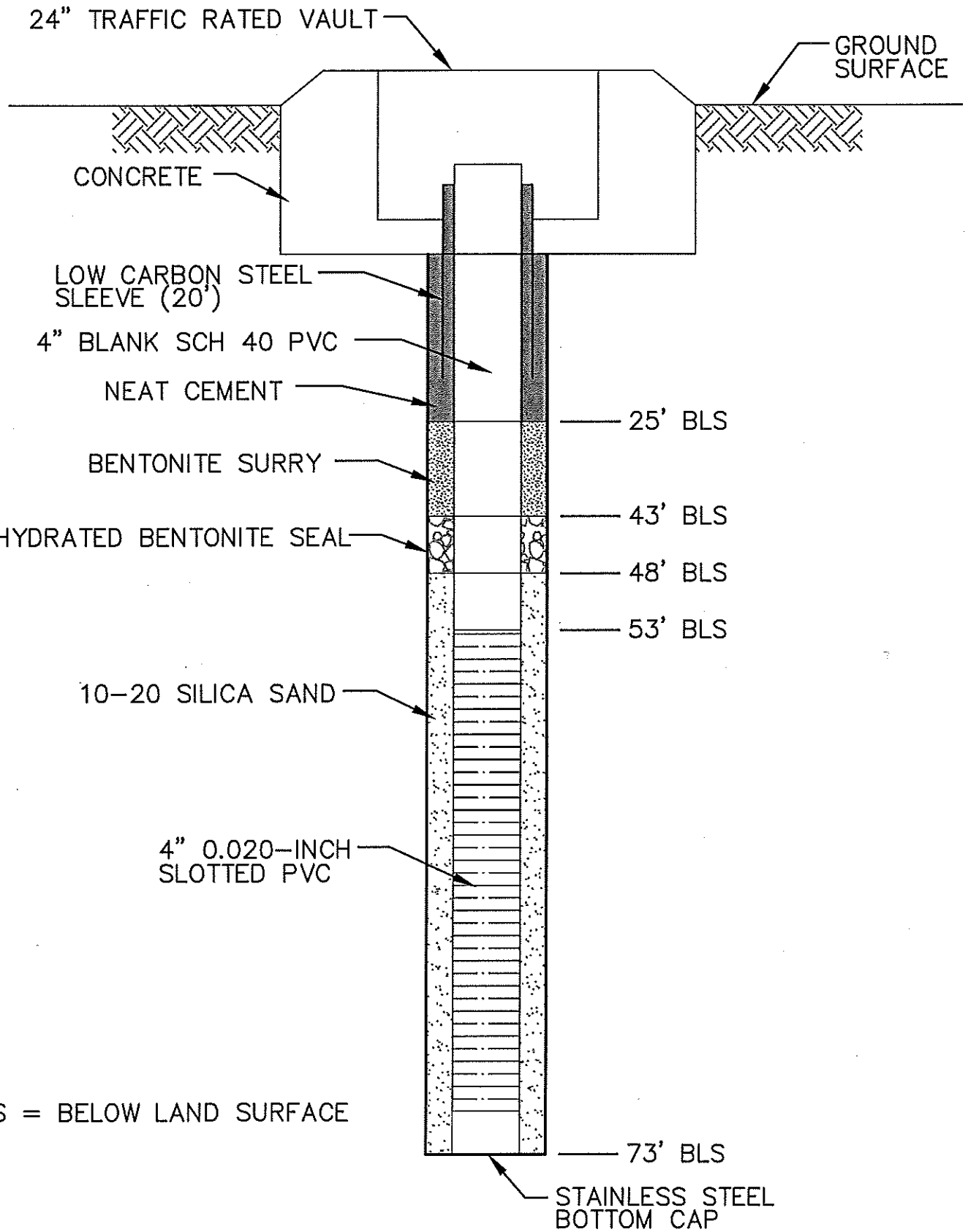
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DESIGNED BY:	KAP
DRAWN BY:	DML
CHK'D BY:	CSH
DATE:	06/2008
SCALE:	NTS

CEP-520A GROUNDWATER MONITORING WELL
CITY OF TUCSON CENTRAL ENERGY PLANT



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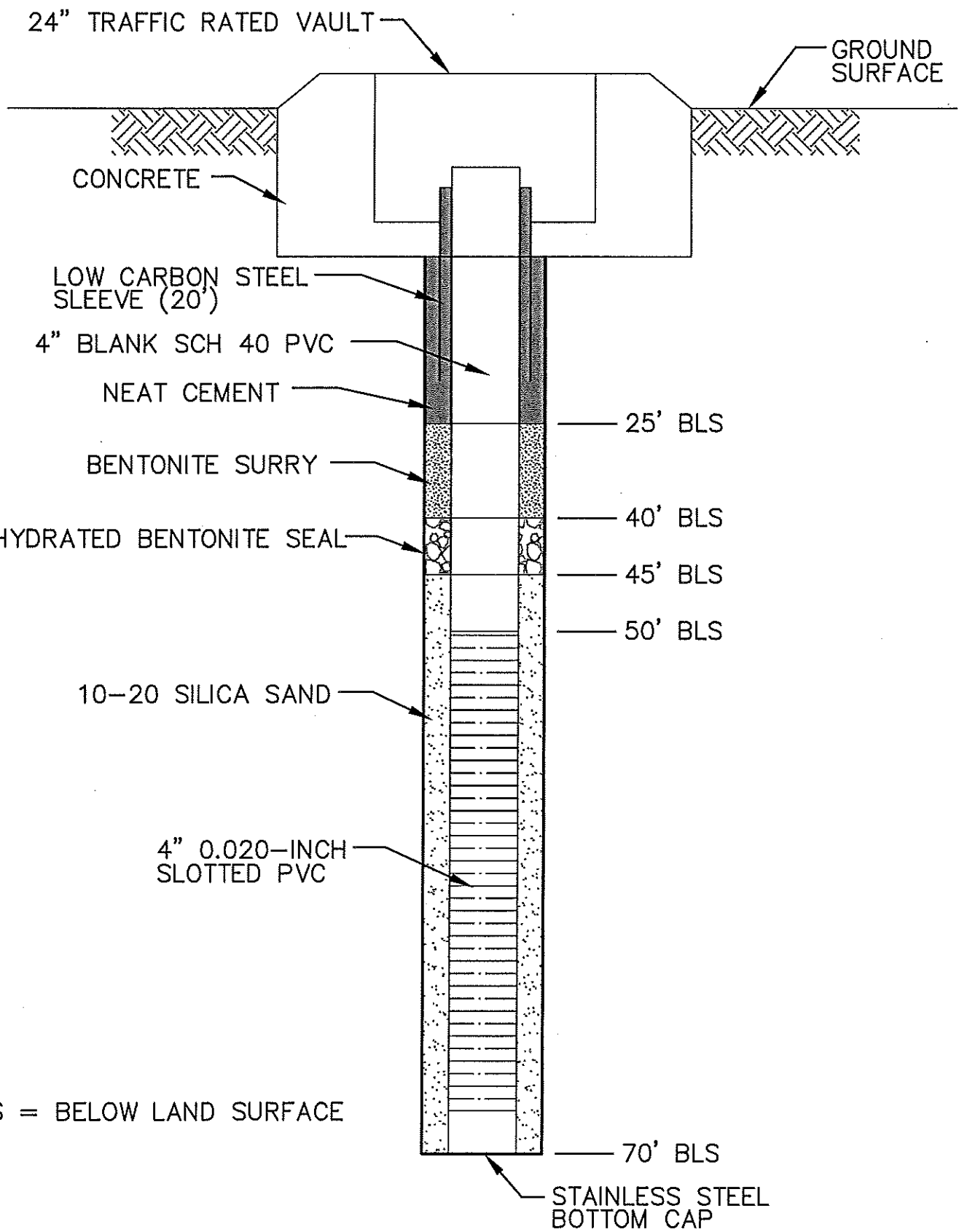


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DESIGNED BY:	KAP
DRAWN BY:	DML
CHK'D BY:	CSH
DATE:	06/2008
SCALE:	NTS

HQ-UST-523A
GROUNDWATER MONITORING WELL

CITY OF TUCSON
 CENTRAL ENERGY PLANT



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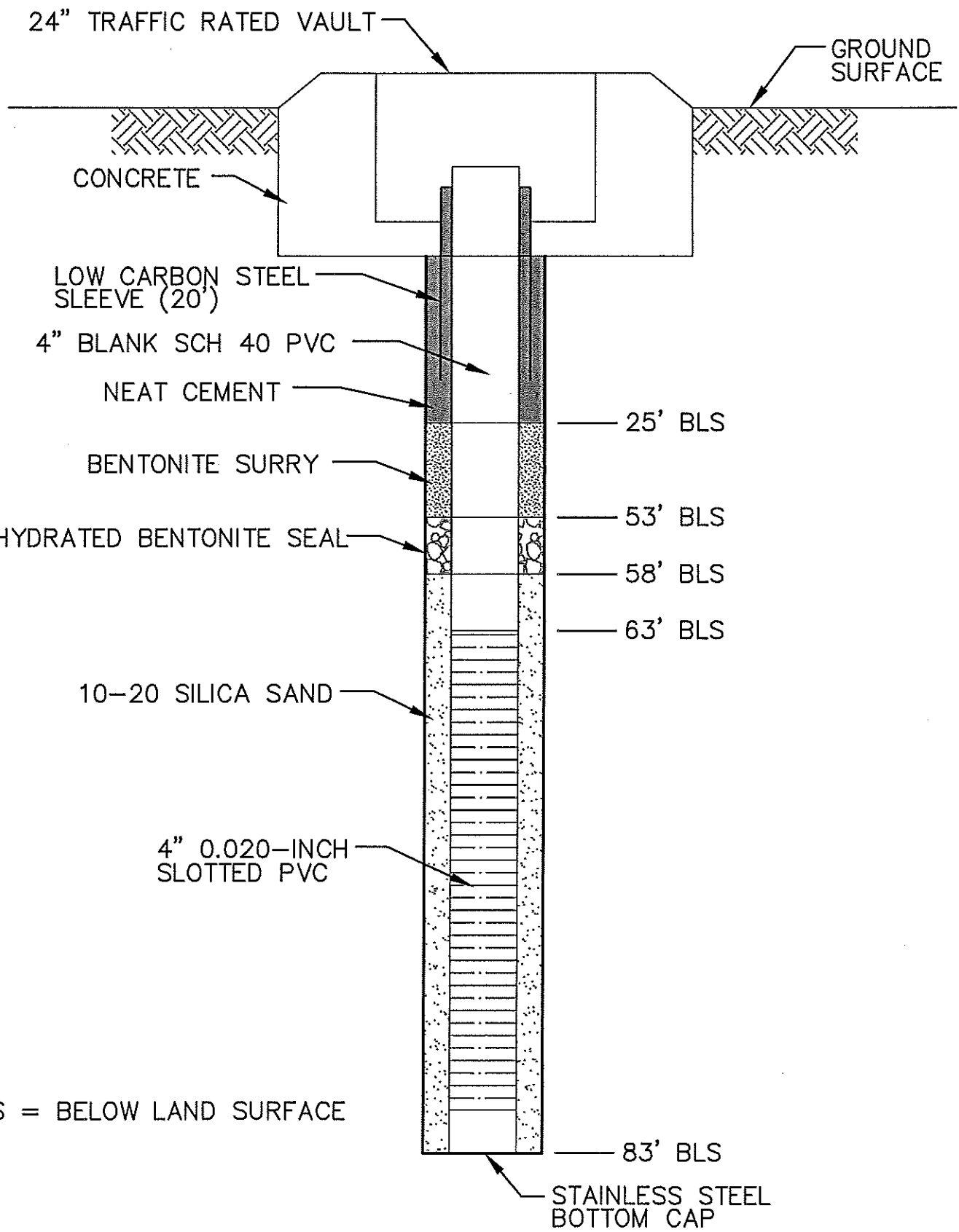


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DESIGNED BY:	KAP
DRAWN BY:	DML
CHECK'D BY:	CSH
DATE:	06/2008
SCALE:	NTS

HQ-UST-524A
GROUNDWATER MONITORING WELL

CITY OF TUCSON
 CENTRAL ENERGY PLANT



BLS = BELOW LAND SURFACE

DESIGNED BY:	KAP
DRAWN BY:	DML
CHK'D BY:	CSH
DATE:	06/2008
SCALE:	NTS

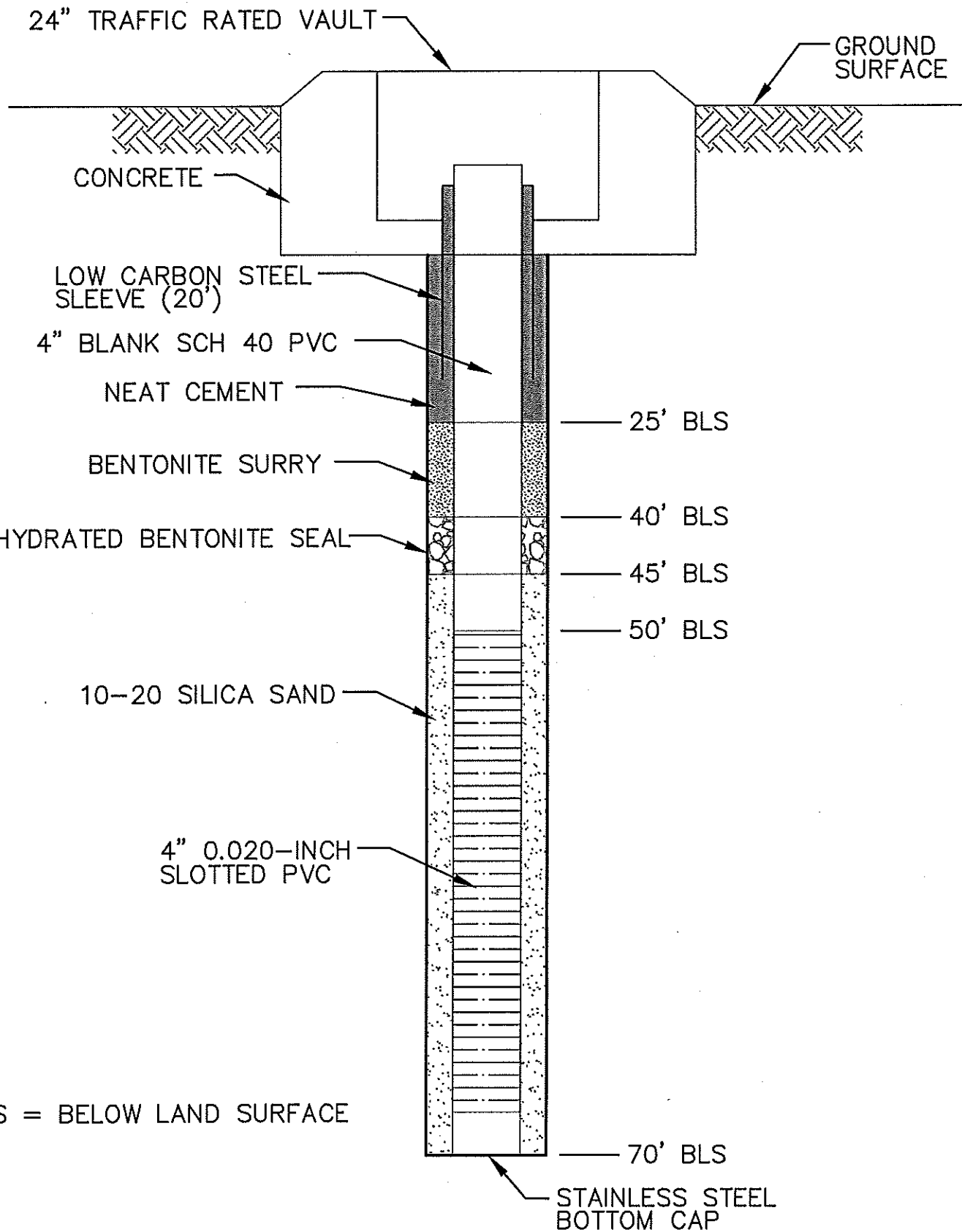
**HQ-UST-525A
GROUNDWATER MONITORING WELL**

**CITY OF TUCSON
CENTRAL ENERGY PLANT**



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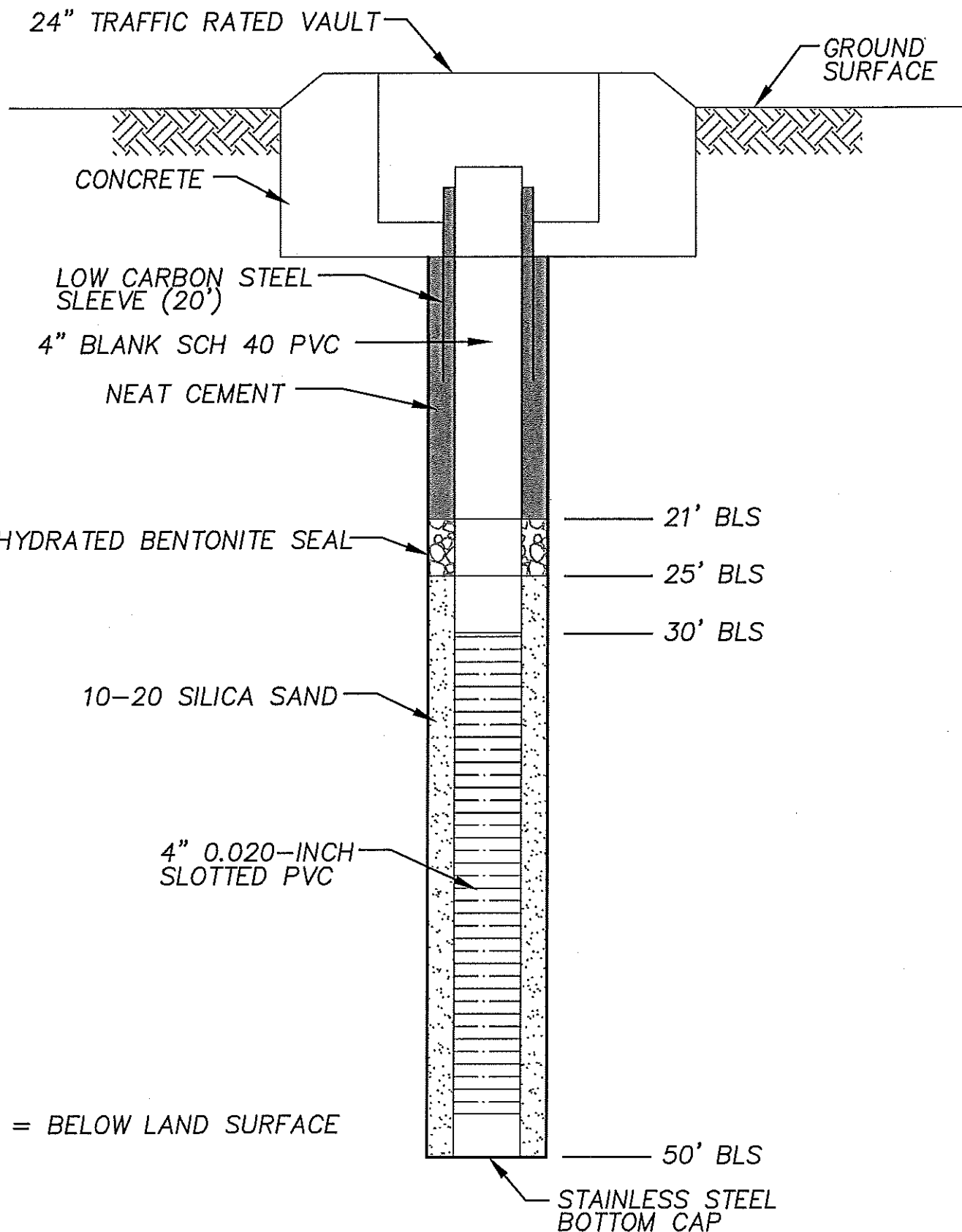


Engineering and Environmental Consultants, Inc.
 4625 E. FT. LOWELL RD.
 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	KAP
DRAWN BY:	DML
CHK'D BY:	CSH
DATE:	06/2008
SCALE:	NTS

HQ-UST-526A
GROUNDWATER MONITORING WELL

CITY OF TUCSON
 CENTRAL ENERGY PLANT



BLS = BELOW LAND SURFACE

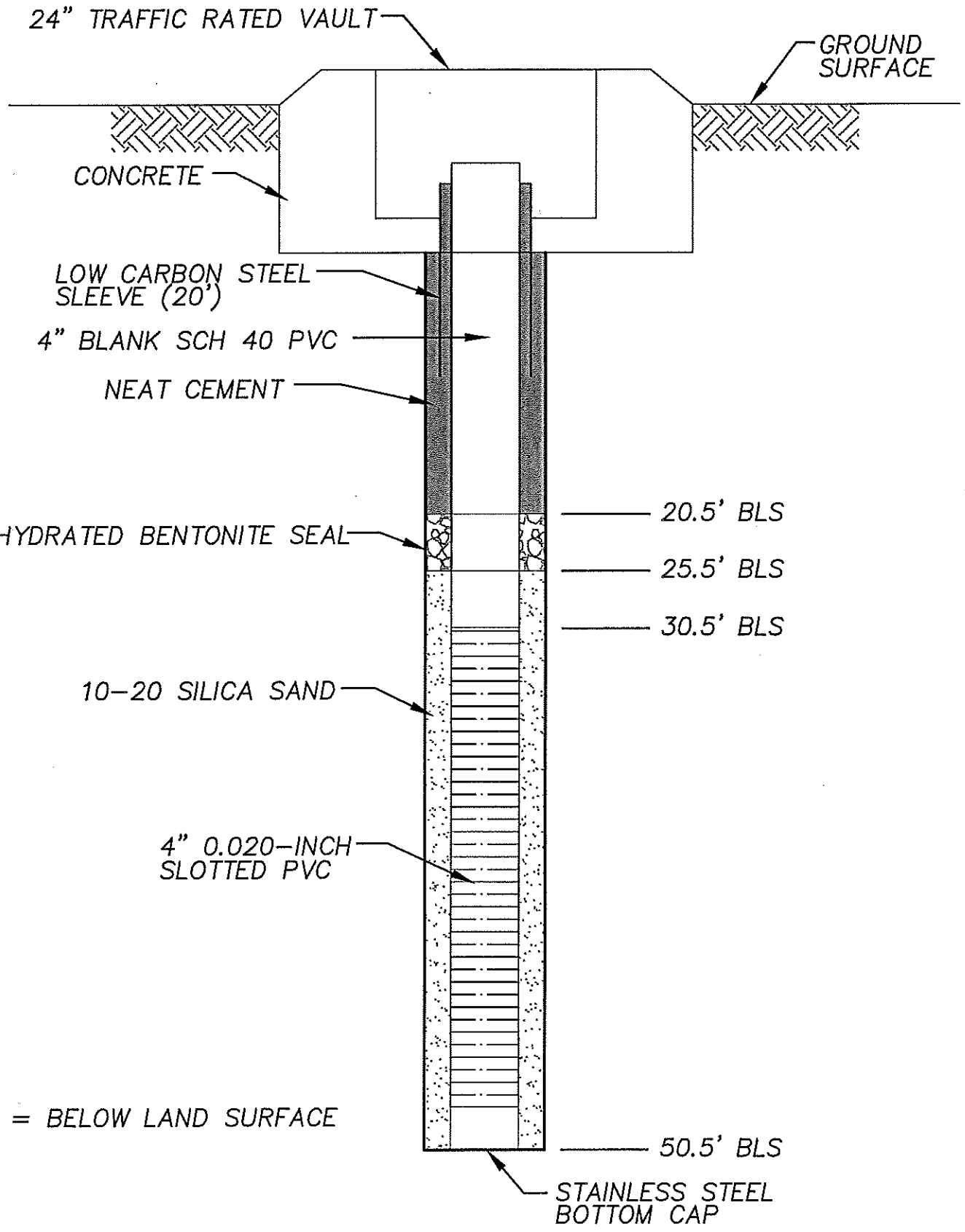


Engineering and Environmental Consultants, Inc.
 4625 E. FT. LOWELL RD.
 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	CSH
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CHK'D BY:	KAP
DATE:	06/2008
SCALE:	NTS

GROUNDWATER MONITORING WELL
CEP - 527A

CITY OF TUCSON
CENTRAL ENERGY PLANT



BLS = BELOW LAND SURFACE



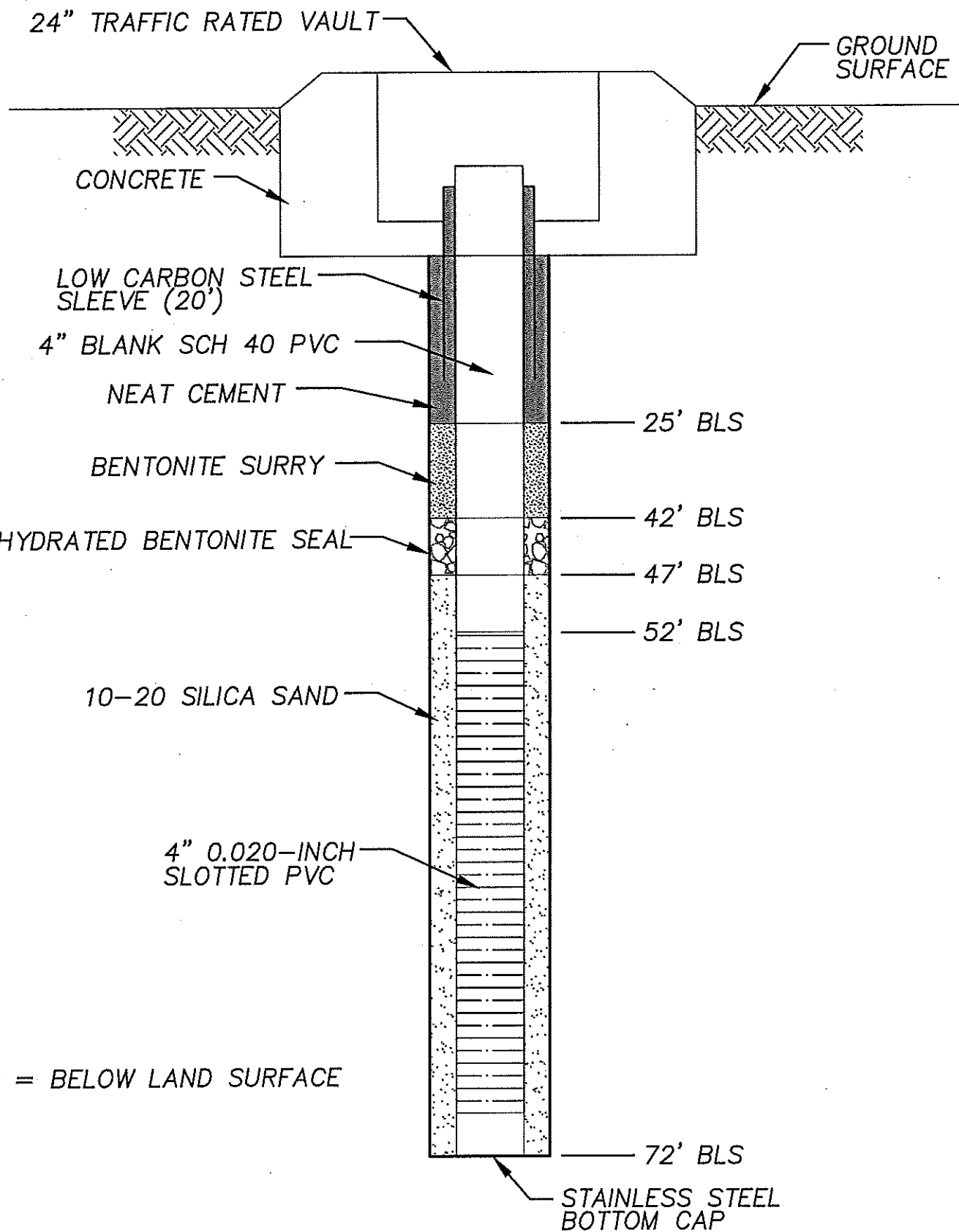
Engineering and Environmental Consultants, Inc.
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 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	CSH
DRAWN BY:	DML
CHK'D BY:	KAP
DATE:	06/2008
SCALE:	NTS

GROUNDWATER MONITORING WELL
CEP - 528A

CITY OF TUCSON
 CENTRAL ENERGY PLANT

J:\ENVRON-CADD-DWG\2008\04\12610041-CEP-528A.dwg Plotted: Jun 26, 2008 - 11:35am dlpaz



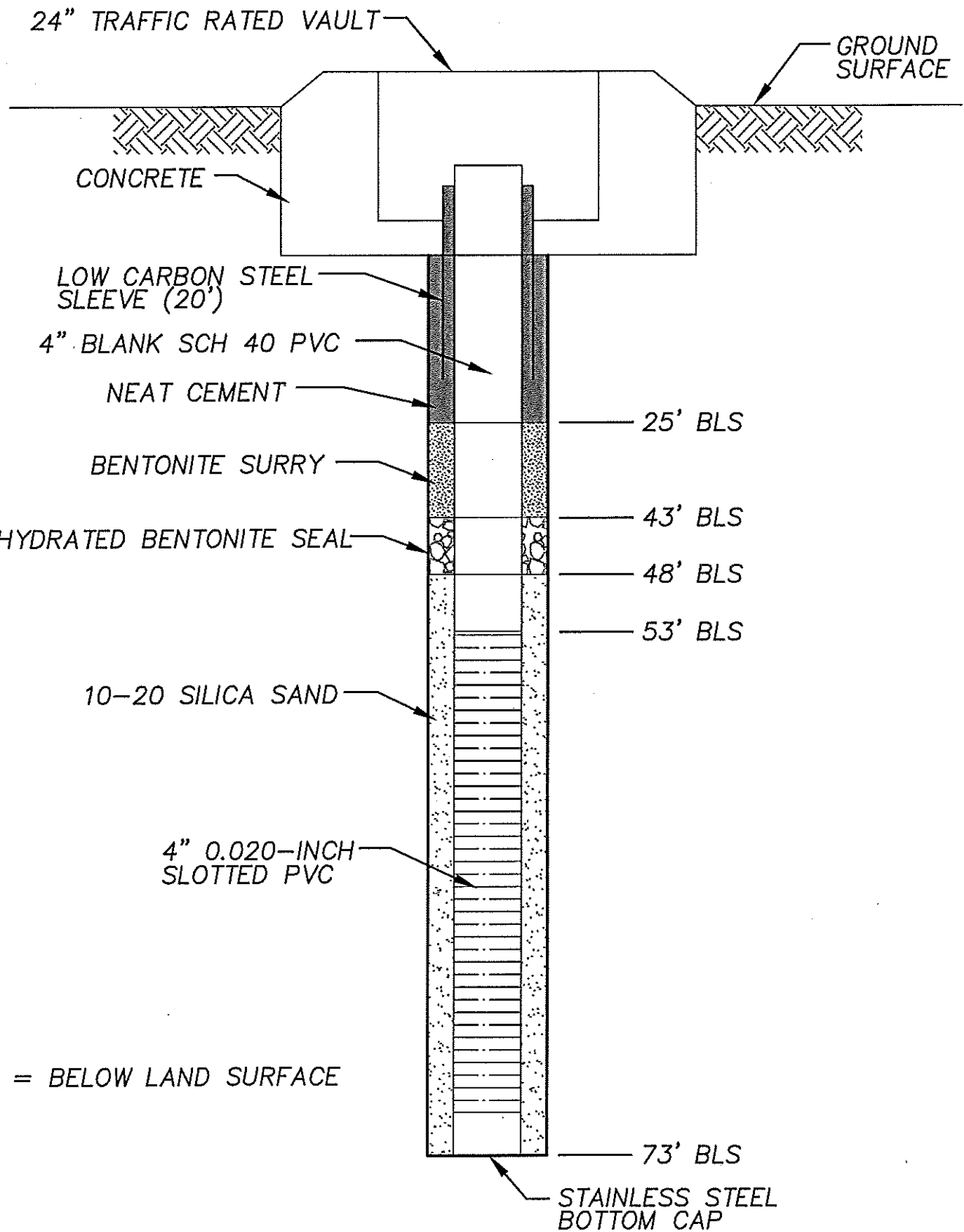
Engineering and Environmental Consultants, Inc.
 4625 E. FT. LOWELL RD.
 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	CSH
DRAWN BY:	DML
CHK'D BY:	KAP
DATE:	06/2008
SCALE:	NTS

HQ-UST-531A
GROUNDWATER MONITORING WELL

CITY OF TUCSON
TFD LUST SITE

J:\ENVRON-CADD\DWG\20081004\20081004-10-UST-531A.dwg Plot: 06/27/2008 9:01am dlopaz



d:\ENVIRON-CADD-DWG\20051002\11208100.41-HQ-UST-532A.dwg Plotter Jun 27, 2008 - 9:02am dlopez

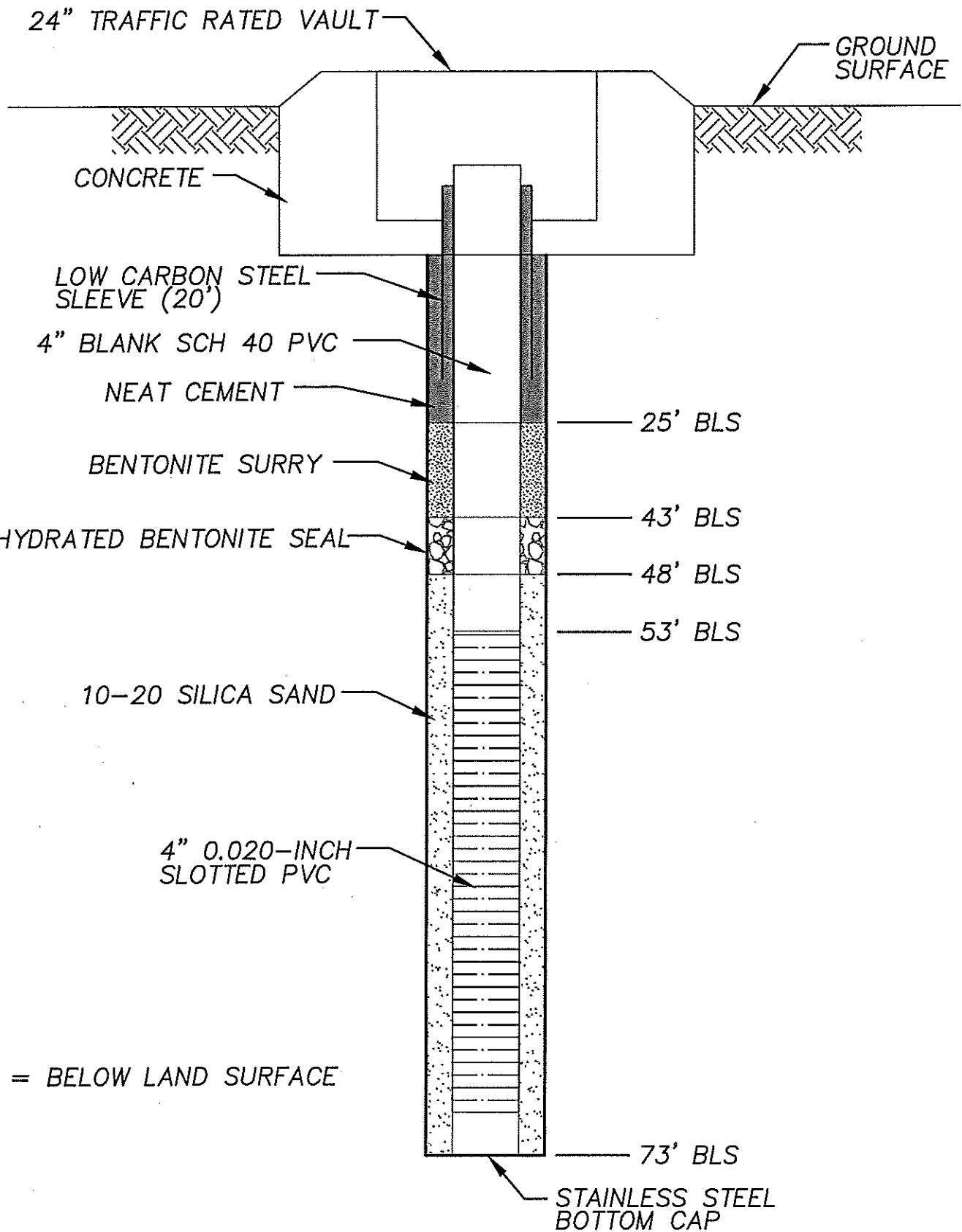


Engineering and Environmental Consultants, Inc.
 4625 E. FT. LOWELL RD.
 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	CSH
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CHK'D BY:	KAP
DATE:	06/2008
SCALE:	NTS

HQ-UST-532A
GROUNDWATER MONITORING WELL

CITY OF TUCSON
 TFD LUST SITE



L:\ENVIRON-CADD-2\WSS\20061004\HQ-UST-533A.dwg Plotlet: Jun 27, 2008 - 9:03am dipax

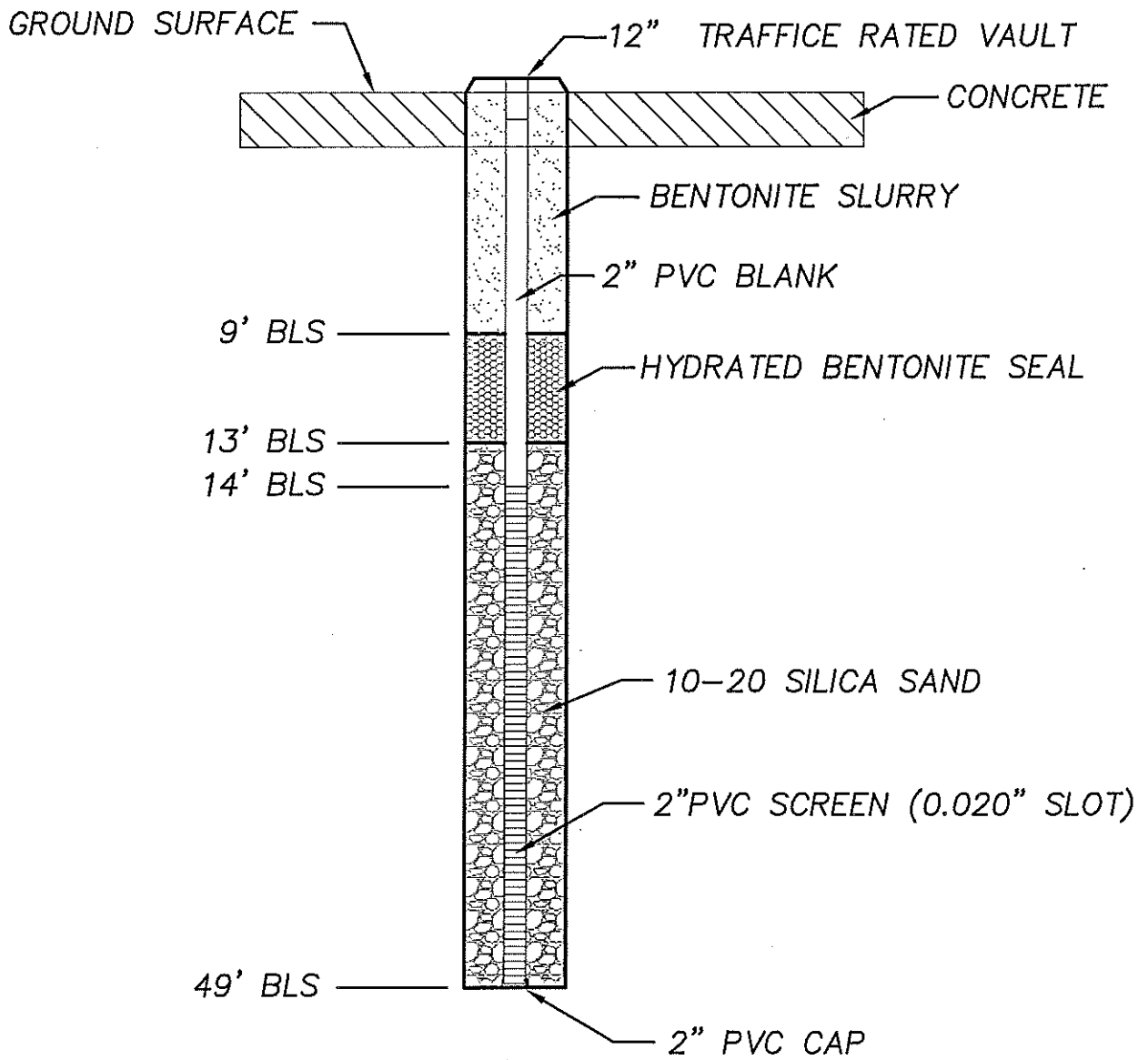


Engineering and Environmental Consultants, Inc.
 4625 E. FT. LOWELL RD.
 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	CSH
DRAWN BY:	DML
CHK'D BY:	KAP
DATE:	06/2008
SCALE:	NTS

HQ-UST-533A
GROUNDWATER MONITORING WELL

CITY OF TUCSON
TFD LUST SITE



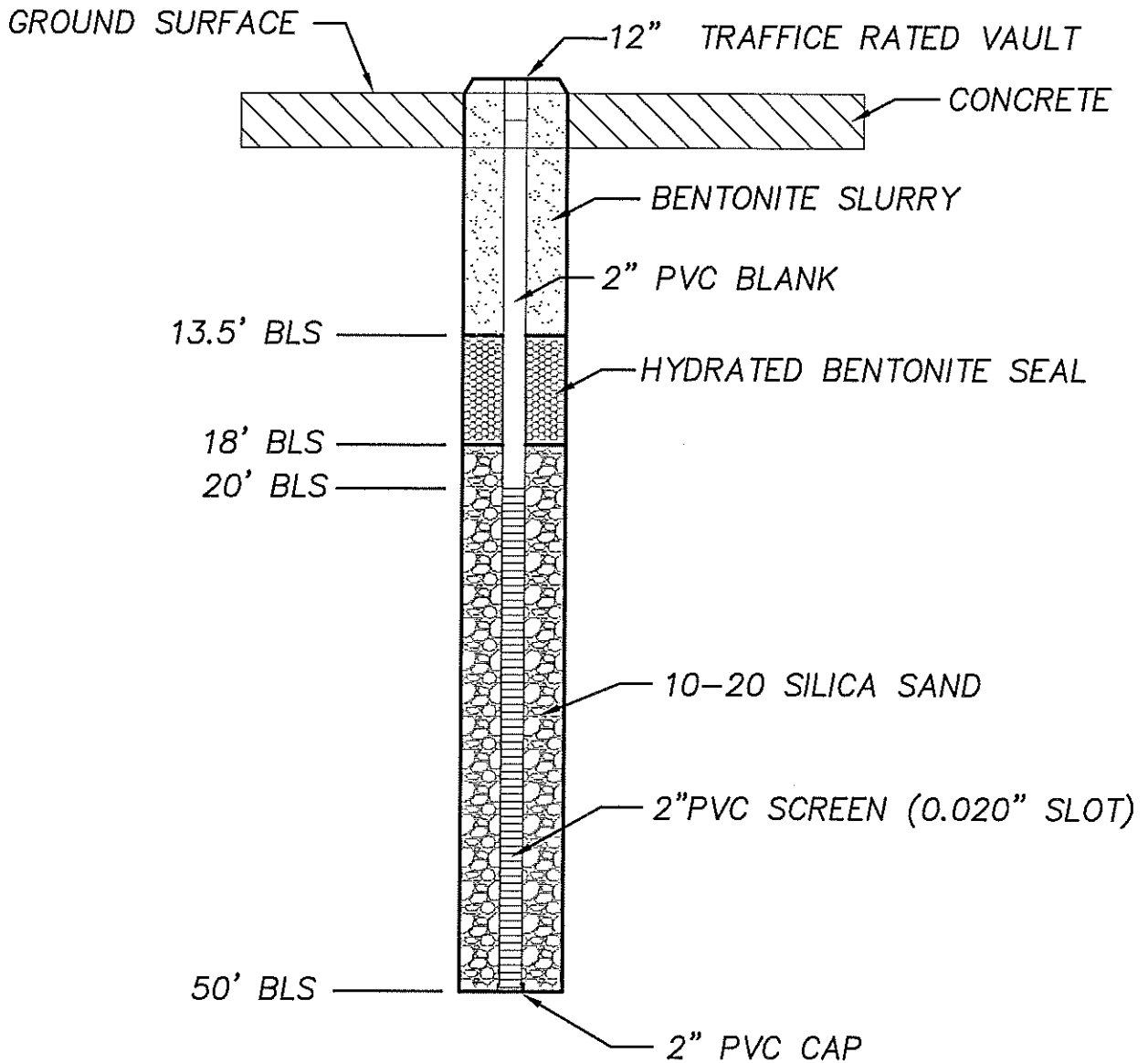
BLS = BELOW LAND SURFACE

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Engineering and Environmental Consultants, Inc.
 4625 E. FT. LOWELL RD.
 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	CH	VAPOR WELL DIE DETAIL
DRAWN BY:	DML	
CHK'D BY:	KP	
DATE:	06/2008	TFD/TPD HEADQUARTERS SITE
SCALE:	NTS	



BLS = BELOW LAND SURFACE

J:\ENVIRON-CADD-DWG\206100.27\206100.27-DWG.dwg Plotter: Jun 30, 2008 - 12:29pm dlapez



Engineering and Environmental Consultants, Inc.
 4625 E. FT. LOWELL RD.
 TUCSON, ARIZONA 85712 520-321-4625

DESIGNED BY:	CH	VAPOR WELL DW DETAIL
DRAWN BY:	DML	
CHK'D BY:	KP	TFD/TPD HEADQUARTERS SITE
DATE:	06/2008	
SCALE:	NTS	

APPENDIX 6:
WELL SURVEY DATA

EEC Groundwater Monitoring Well Survey Data

Well ID	Point #	Date	Latitude	Longitude	Elev.	North	East	Convergence	Mean Radius	Grid Scale	Comb. Scale	Projection
CEP-518A	12	January 2007	N 32 13'04.81352"	W 110 58'16.86043"	2385.52	444326.402181	992345.072347	00 30'14"	20895246.367	0.9999978851	0.9998837328	AZ Central
CEP-519A	10	January 2007	N 32 13'01.81280"	W 110 58'21.05490"	2381.67	444019.995010	991987.398373	00 30'12"	20895244.528	0.9999976457	0.9998836773	AZ Central
CEP-520A	11	January 2007	N 32 13'02.97572"	W 110 58'24.29477"	2379.40	444135.070091	991708.033784	00 30'10"	20895245.241	0.9999974589	0.9998835995	AZ Central
CEP-527A	27	June 2007	N 32 13'07.61512"	W 110 58'33.82108"	2357.48	444596.733226	990885.540805	00 30'05"	20895248.084	0.9999969101	0.9998840992	AZ Central
CEP-528A	28	June 2007	N 32 13'12.46672"	W 110 58'32.19528"	2359.78	445088.236443	991020.914258	00 30'06"	20895251.058	0.9999970003	0.9998840796	AZ Central
HQ-UST-523A	26	June 2007	N 32 13'03.60747"	W 110 58'18.19755"	2382.85	444203.514640	992231.275189	00 30'14"	20895245.628	0.9999978089	0.9998837842	AZ Central
HQ-UST-524A	25	June 2007	N 32 13'03.58869"	W 110 58'18.71726"	2382.21	444201.223370	992186.644349	00 30'13"	20895245.616	0.9999977790	0.9998837848	AZ Central
HQ-UST-525A	24	June 2007	N 32 13'02.37018"	W 110 58'14.20721"	2391.50	444081.495698	992575.178861	00 30'16"	20895244.870	0.9999980392	0.99988366007	AZ Central
HQ-UST-526A	23	June 2007	N 32 13'05.48685"	W 110 58'19.53552"	2379.57	444392.425310	992114.662501	00 30'13"	20895246.780	0.9999977308	0.99988386830	AZ Central
HQ-UST-531A	30	November 2007	N 32 13'01.50378"	W 110 58'23.73232"	2378.36	443986.747361	991757.659371	00 30'11"	20895244.339	0.9999974921	0.9998836823	AZ Central
HQ-UST-532A	31	November 2007	N 32 13'00.45893"	W 110 58'19.37423"	2382.75	443884.448467	992132.985342	00 30'13"	20895243.698	0.9999977431	0.9998837232	AZ Central
HQ-UST-533A	29	November 2007	N 32 13'05.11840"	W 110 58'22.12770"	2379.29	444353.234073	991892.301837	00 30'12"	20895246.554	0.9999975821	0.9998837278	AZ Central

*All references are to a notch at the top of their respective well casings

**NAVD88 Datum

***"Real" State Plane Coordinates

Ellipsoid = G.R.S. 1980 / N.A.D. 1983

Projection = Arizona Central / Transverse Mercator

APPENDIX 7:

LABORATORY DATA: SOIL

**City of Tucson Police/Fire Fuel Island LUST Site
Soil Detections in mg/kg**

Analyte	EPA Method	Sample ID																		Tier 1 Clean-up Standards		
		HQ-UST DIE-20'	HQ-UST DIE-30'	HQ-UST DIE 35'	HQ-UST DIE 45'	HQ-UST DIW-30'	HQ-UST W-40'	HQ-UST W-55'	HQ-UST-523A-55**	HQ-UST 524A-20'	HQ-UST 524A-30'	HQ-UST 524A-40'	HQ-UST 524A-50'	HQ-UST 524A-60'	HQ-UST 526A-20'	HQ-UST 531A-55'	HQ-UST 533A-60'	CEP-527A-40'	CEP-528A-41'	rSRLs (2007)	Soil Leaching	ADEQ Risk Based Level
C6-C10 GRO	8015	180	480	310	660	ND	ND	ND	1100	730	2400	130	ND	ND	ND	NA	NA	22	ND	--	--	--
C10-C22 DRO	8015	150	180	49	260	ND	ND	ND	550	390	610	63	ND	ND	32	NA	NA	33	30	--	--	--
C10-C32 SRL	8015	150	180	ND	260	ND	ND	ND	ND	390	610	ND	ND	ND	ND	NA	NA	ND	ND	--	--	--
Acenaphthalene	8310	ND	0.75	NA	NA	ND	ND	ND	0.76	0.83	NA	ND	NA	NA	NA	ND	ND	NA	NA	2,300	--	--
Fluoranthene	8310	ND	ND	ND	ND	ND	ND	ND	0.055	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	56	--	--
Naphthalene**	8310	1.1	3.9	NA	NA	ND	ND	ND	2.6	3.7	NA	0.46	NA	NA	NA	ND	1.1	NA	NA	--	--	--
Phenanthrene	8310	ND	ND	NA	NA	ND	ND	ND	0.11	0.087	NA	ND	NA	NA	NA	ND	ND	NA	NA	--	--	--
Pyrene	8310	ND	ND	ND	ND	ND	ND	ND	0.079	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.65	0.71	--
Benzene	8260B	ND	2.6	9.6	5.9	0.21	0.68	ND	0.86	ND	9.5	0.72	0.31	0.63	ND	0.060	0.54	ND	ND	240	--	--
n-Butylbenzene	8260B	0.90	1.4	NA	NA	ND	ND	ND	3.0	2.6	NA	ND	NA	NA	NA	ND	0.90	NA	NA	220	--	--
sec-Butylbenzene	8260B	0.28	0.50	NA	NA	ND	ND	ND	ND	0.84	NA	ND	NA	NA	NA	ND	0.29	NA	NA	400	120	--
Ethylbenzene	8260B	0.82	15	24	44	ND	ND	ND	11	10	32	2.4	ND	ND	ND	ND	1.0	ND	ND	--	--	--
Isopropylbenzene	8260B	0.26	1.1	NA	NA	ND	ND	ND	ND	1.6	NA	ND	NA	NA	NA	ND	0.27	NA	NA	--	--	--
4-Isopropyltoluene	8260B	ND	0.67	NA	NA	ND	ND	ND	ND	0.39	NA	ND	NA	NA	NA	ND	ND	NA	NA	320	--	--
Methyl tert-butyl ether	8260B	ND	3.5	NA	NA	0.96	1.0	0.30	ND	ND	NA	ND	NA	NA	NA	ND	1.3	NA	NA	56	--	--
Naphthalene**	8260B	1.6	3.4	NA	NA	ND	ND	ND	4.9	5.4	NA	ND	NA	NA	NA	ND	1.7	NA	NA	240	--	--
n-Propylbenzene	8260B	1.1	3.5	NA	NA	ND	ND	ND	7.2	5.1	NA	ND	NA	NA	NA	ND	1.7	NA	NA	650	400	--
Toluene	8260B	0.11	26	62	34	ND	ND	ND	ND	2.3	50	4.7	0.10	0.29	ND	ND	ND	ND	ND	52	--	3,900
1,2,4-Trimethylbenzene	8260B	13	20	NA	NA	ND	ND	ND	35	28	NA	6.5	NA	NA	NA	ND	6.4	NA	NA	21	--	3,900
1,3,5-Trimethylbenzene	8260B	3.1	23	NA	NA	ND	ND	ND	11	8.8	NA	ND	NA	NA	NA	ND	2.1	NA	NA	270	2,200	--
Xylenes, Total	8260B	3.8	54	79	150	ND	ND	ND	32	51	110	10	ND	0.27	ND	ND	1.5	ND	ND			

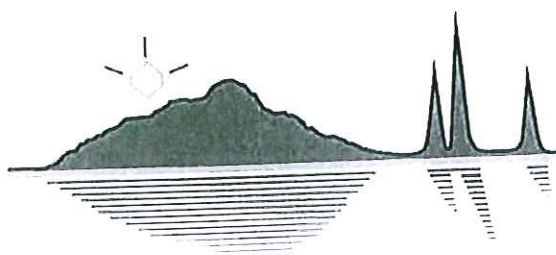
ND - Not detected

NA - Not analyzed

Detections above rSRLs in **BOLD**

*Note: HQ-UST-523A-55' was analyzed by the lab as sample TFD-UST-E-55'

**Naphthalene is an analyte of both 8310 and 8260B analyses



**TRANSWEST
GEOCHEM**

June 12, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE: TFD UST/206100.27
Work Order No.: 0705545

TFD - UST - E
=
HQ - UST - 523 A

Dear Kevin,

Transwest Geochem, Inc. received 3 samples on 5/21/2007 4:05:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 12-Jun-07

Client: Environmental & Engineering Consultants,
Work Order: 0705545
Project Name: TFD UST
Project Number: 206100.27

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.



**TRANSWEST
GEOCHEM**

Date Printed 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number: 206100.27
Work Order: 0705545
Date Received: 21-May-07

Case Narrative Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

- C7 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.
- D1 Sample required dilution due to matrix.
- D2 Sample required dilution due to high concentration of target analyte.
- M1 Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 Matrix spike recovery was low, the method control sample recovery was acceptable.



TRANSWEST
GEOCHEM

Date Printed 11-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number: 206100.27
Work Order: 0705545

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
TFD-UST-E-20	0705545-01A	8015AZ	5/21/07 12:05 PM	5/21/07 04:05 PM
		EPA 8310	5/21/07 12:05 PM	5/21/07 04:05 PM
		SW8260B	5/21/07 12:05 PM	5/21/07 04:05 PM
TFD-UST-E-40	0705545-02A	8015AZ	5/21/07 01:00 PM	5/21/07 04:05 PM
		EPA 8310	5/21/07 01:00 PM	5/21/07 04:05 PM
		SW8260B	5/21/07 01:00 PM	5/21/07 04:05 PM
TFD-UST-E-55	0705545-03A	8015AZ	5/21/07 01:43 PM	5/21/07 04:05 PM
		EPA 8310	5/21/07 01:43 PM	5/21/07 04:05 PM
		SW6010B	5/21/07 01:43 PM	5/21/07 04:05 PM
		SW8260B	5/21/07 01:43 PM	5/21/07 04:05 PM



CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number: 206100.27
Work Order: 0705545
Date Received: 21-May-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



**TRANSWEST
GEOCHEM**

Date Printed: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Project Name: TFD UST
Project Number: 206100.27
Work Order: 0705545
Date Received: 21-May-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM Method D4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

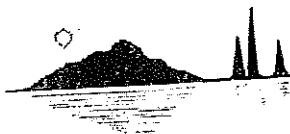
The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600/4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



**TRANSWEST
GEOCHEM**

Date Printed 11-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-01
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-20
Collection Date: 5/21/2007 12:05:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/24/07	5/25/07 0:54	MJB	13755
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/24/07	5/25/07 0:54	MJB	13755
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/24/07	5/25/07 0:54	MJB	13755
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/24/07	5/25/07 0:54	MJB	13755
o-Terphenyl(Surrogate)	109	70-130		%REC	1.0	8015AZ	5/24/07	5/25/07 0:54	MJB	13755
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Anthracene	<0.040	0.040		-	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Benz[a]anthracene	<0.040	0.040			1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Benzo[a]pyrene	<0.010	0.010			1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Benzo[b]fluoranthene	<0.040	0.040			1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Benzo[g,h,i]perylene	<0.04	0.04			1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Benzo[k]fluoranthene	<0.040	0.040			1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Chrysene	<0.040	0.040			1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040			1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Fluoranthene	<0.040	0.040			1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Fluorene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Indeno[1,2,3-cd]pyrene	<0.10	0.10		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Naphthalene	<0.080	0.080		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Phenanthrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
2-Chloroanthracene(Surrogate)	86	51-125		%REC	1.0	EPA 8310	5/29/07	6/2/07 9:53	NC	13779
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A

This borehole was constructed as well HQ-UST-523A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-01
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-20
Collection Date: 5/21/2007 12:05:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2-Dichloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,1-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Tetrachloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-01
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-20
Collection Date: 5/21/2007 12:05:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Vinyl acetate	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Vinyl chloride	<0.15	0.15		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Xylenes, Total				%REC	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
4-Bromofluorobenzene(Surrogate)	87	59-131		%REC	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
1,2-Dichloroethane-d4(Surrogate)	93	63-123		%REC	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Dibromofluoromethane(Surrogate)	95	63-123		%REC	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A
Toluene-d8(Surrogate)	90	64-120		%REC	1.0	SW8260B	5/23/07	5/29/07 15:17	BSP	GCMS_T_070529A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-02
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-40
Collection Date: 5/21/2007 1:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/24/07	5/25/07 1:39	MJB	13755
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/24/07	5/25/07 1:39	MJB	13755
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/24/07	5/25/07 1:39	MJB	13755
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/24/07	5/25/07 1:39	MJB	13755
o-Terphenyl(Surrogate)	112	70-130		%REC	1.0	8015AZ	5/24/07	5/25/07 1:39	MJB	13755
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
2-Chloroanthracene(Surrogate)	84	51-125		%REC	1.0	EPA 8310	5/29/07	6/2/07 10:24	NC	13779
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-02
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-40
Collection Date: 5/21/2007 1:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2-Dichloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,1-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A



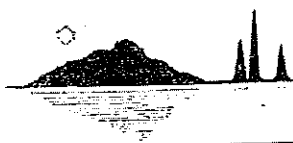
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-02
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-40
Collection Date: 5/21/2007 1:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Vinyl acetate	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
4-Bromofluorobenzene(Surrogate)	79	59-131		%REC	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
1,2-Dichloroethane-d4(Surrogate)	84	63-123		%REC	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Dibromofluoromethane(Surrogate)	86	63-123		%REC	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A
Toluene-d8(Surrogate)	82	64-120		%REC	1.0	SW8260B	5/23/07	5/29/07 16:00	BSP	GCMS_T_070529A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-03
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-55
Collection Date: 5/21/2007 1:43:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	1100	100	D1	mg/Kg	5.0	8015AZ	5/24/07	5/29/07 12:40	MJB	13755
C10-C22 DRO	550	150	D1	mg/Kg	5.0	8015AZ	5/24/07	5/29/07 12:40	MJB	13755
C22-C32 ORO	<500	500	D1	mg/Kg	5.0	8015AZ	5/24/07	5/29/07 12:40	MJB	13755
C10-C32 SRL	<650	650	D1	mg/Kg	5.0	8015AZ	5/24/07	5/29/07 12:40	MJB	13755
o-Terphenyl(Surrogate)	105	70-130		%REC	5.0	8015AZ	5/24/07	5/29/07 12:40	MJB	13755
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Acenaphthylene	0.76	0.40	C7	mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Fluoranthene	0.055	0.040	C7	mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Naphthalene	2.6	0.10		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Phenanthrene	0.11	0.080	C7	mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Pyrene	0.079	0.040	C7	mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
2-Chloroanthracene(Surrogate)	89	51-125		%REC	1.0	EPA 8310	5/29/07	6/2/07 10:55	NC	13779
Lead	<5.0	5.0		mg/Kg	1.0	SW6010B	6/4/07	6/6/07 20:20	BJK	13818
Acetone	<15	15	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Benzene	0.86	0.50	D2	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Bromobenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Bromochloromethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Bromodichloromethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Bromoform	<1.0	1.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Bromomethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
2-Butanone	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
n-Butylbenzene	3.0	2.5	D2	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
sec-Butylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
tert-Butylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Carbon disulfide	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Carbon tetrachloride	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Chlorobenzene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-03
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-55
Collection Date: 5/21/2007 1:43:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromochloromethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Chloroethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Chloroform	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Chloromethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
2-Chlorotoluene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
4-Chlorotoluene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2-Dibromo-3-chloropropane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2-Dibromoethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Dibromomethane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2-Dichlorobenzene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,3-Dichlorobenzene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,4-Dichlorobenzene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Dichlorodifluoromethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,1-Dichloroethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2-Dichloroethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,1-Dichloroethene	<1.0	1.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
cis-1,2-Dichloroethene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
trans-1,2-Dichloroethene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2-Dichloropropane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,3-Dichloropropane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
2,2-Dichloropropane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,1-Dichloropropene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
cis-1,3-Dichloropropene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
trans-1,3-Dichloropropene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Ethylbenzene	11	1.0	D2	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Hexachlorobutadiene	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
2-Hexanone	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Iodomethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Isopropylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
4-Isopropyltoluene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Methylene chloride	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
4-Methyl-2-pentanone	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Methyl tert-butyl ether	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Naphthalene	4.9	2.5	D2	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
n-Propylbenzene	7.2	2.5	D2	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Styrene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,1,1,2-Tetrachloroethane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,1,2,2-Tetrachloroethane	<1.0	1.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Tetrachloroethene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Toluene	<1.0	1.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2,3-Trichlorobenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Lab ID: 0705545-03
Project Name: TFD UST
Project Number: 206100.27

Client Sample ID: TFD-UST-E-55
Collection Date: 5/21/2007 1:43:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,2,4-Trichlorobenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,1,1-Trichloroethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,1,2-Trichloroethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Trichloroethene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Trichlorofluoromethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2,3-Trichloropropane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2,4-Trimethylbenzene	35	2.5	D2	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,3,5-Trimethylbenzene	11	2.5	D2	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Vinyl acetate	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Vinyl chloride	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Xylenes, Total	32	1.5	D2	mg/Kg	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
4-Bromofluorobenzene(Surrogate)	87	59-131		%REC	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
1,2-Dichloroethane-d4(Surrogate)	90	63-123		%REC	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Dibromofluoromethane(Surrogate)	96	63-123		%REC	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A
Toluene-d8(Surrogate)	95	64-120		%REC	10	SW8260B	5/23/07	5/29/07 16:44	BSP	GCMS_T_070529A



**TRANSWEST
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Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1	8015AZ	5/24/07	5/24/07 12:18	MJB	13755
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	5/24/07	5/24/07 12:18	MJB	13755
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	5/24/07	5/24/07 12:18	MJB	13755
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	5/24/07	5/24/07 12:18	MJB	13755
o-Terphenyl	113	70-130		%REC	1	8015AZ	5/24/07	5/24/07 12:18	MJB	13755
Acenaphthene	<0.40	0.40		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Acenaphthylene	<0.40	0.40		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Naphthalene	<0.10	0.10		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Phenanthrene	<0.080	0.080		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
2-Chloroanthracene	80	51-125		%REC	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Lead	<5.0	5.0		mg/Kg	1	SW6010B	6/4/07	6/6/07 20:09	BJK	13818

Date: 11-Jun-07

License No. AZM133/AZ0133



**TRANSWEST
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QC SUMMARY REPORT

Method Blank

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A



**TRANSWEST
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Date: 11-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Tetrachloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Xylenes, Total	<0.15	0.15		%REC	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
4-Bromofluorobenzene	95	59-131		%REC	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
1,2-Dichloroethane-d4	101	63-123		%REC	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Dibromofluoromethane	106	63-123		%REC	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A
Toluene-d8	97	64-120		%REC	1	SW8260B	5/23/07	5/29/07 10:11	BSP	GCMS_T_070529A



**TRANSWEST
GEOCHEM**

Date: 11-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705566-06A-MS Batch ID: 13755 Test Code: 8015AZ Date Analyzed: 05/24/07 15:16 Client ID: Units: mg/Kg Date Prepared: 5/24/07											
C10-C22 DRO	533	30	500		107%	70	130				
o-Terphenyl	11.1	N/A	10.0		111%	70	130				
Sample ID: 0705566-06A-MSD Batch ID: 13755 Test Code: 8015AZ Date Analyzed: 05/24/07 16:01 Client ID: Units: mg/Kg Date Prepared: 5/24/07											
C10-C22 DRO	542	30	500		108%	70	130	533	2%	20	
o-Terphenyl	11.3	N/A	10.0		113%	70	130				
Sample ID: 0705566-01A-MS Batch ID: 13779 Test Code: EPA 8310 Date Analyzed: 06/02/07 05:40 Client ID: Units: mg/Kg Date Prepared: 5/29/07											
Acenaphthene	1.354	0.40	2.000		68%	70	130				M2
Acenaphthylene	3.025	0.40	4.000		76%	48	131				M1
Anthracene	0.2510	0.040	0.2000		126%	52	121				
Benz[a]anthracene	0.1720	0.040	0.2000		86%	55	123				
Benzo[a]pyrene	0.1480	0.010	0.2000		74%	53	115				
Benzo[b]fluoranthene	0.2950	0.040	0.4000		74%	70	130				
Benzo[b]fluoranthene	0.2880	0.040	0.4000		72%	70	130				
Benzo[g,h,i]perylene	0.1460	0.040	0.2000		73%	70	130				
Benzo[k]fluoranthene	0.1540	0.040	0.2000		77%	54	129				
Chrysene	0.2800	0.040	0.4000		70%	70	130				
Dibenz[a,h]anthracene	0.4710	0.040	0.4000	0.161	78%	47	138				
Fluoranthene	0.2850	0.040	0.4000		71%	70	130				
Fluorene	0.1520	0.020	0.2000		76%	70	130				
Indeno[1,2,3-cd]pyrene	1.717	0.10	2.000	0.153	78%	51	112				
Naphthalene	0.3560	0.080	0.2000	0.157	100%	45	133				
Phenanthrene	0.1630	0.040	0.2000		81%	51	123				
Pyrene	0.9040	N/A	1.000		90%	51	125				
2-Chloroanthracene											



**TRANSWEST
GEOCHEM**

Date: 11-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705566-01A-MSD Batch ID: 13779			Test Code: EPA 8310			Date Analyzed: 06/02/07 06:11					
Client ID:			Units: mg/Kg			Date Prepared: 5/29/07					
Acenaphthene	1.539	0.40	2.000		77%	70	130	1.354	13%	28	
Acenaphthylene	3.164	0.40	4.000		79%	48	131	3.025	4%	27	
Anthracene	0.2550	0.040	0.2000		128%	52	121	0.251	2%	35	M1
Benzo[a]anthracene	0.1680	0.040	0.2000		84%	55	123	0.172	2%	26	
Benzo[a]pyrene	0.1550	0.010	0.2000		78%	53	115	0.148	5%	27	
Benzo[b]fluoranthene	0.3070	0.040	0.4000		77%	70	130	0.295	4%	25	
Benzo[k]fluoranthene	0.3030	0.040	0.4000		76%	70	130	0.288	5%	26	
Benzo[g,h,i]perylene	0.3030	0.040	0.4000		77%	70	130	0.146	5%	25	
Chrysene	0.1540	0.040	0.2000		80%	54	129	0.154	4%	25	
Dibenz[a,h]anthracene	0.1600	0.040	0.2000		73%	70	130	0.28	4%	25	
Fluoranthene	0.2910	0.040	0.4000	0.161	78%	47	138	0.471	0%	33	
Fluorene	0.4730	0.040	0.4000		79%	70	130	0.285	10%	24	
Indeno[1,2,3-cd]pyrene	0.3140	0.040	0.4000		80%	70	130	0.152	5%	28	
Naphthalene	0.1590	0.020	0.2000	0.153	79%	51	112	1.717	0%	32	
Phenanthrene	1.724	0.10	2.000	0.157	108%	45	133	0.356	4%	28	
Pyrene	0.3720	0.080	0.2000		82%	51	123	0.163	1%	29	
2-Chloroanthracene	0.1640	0.040	0.2000		94%	51	125				
Sample ID: 0705626-05A-MS Batch ID: 13818			Test Code: SW6010B			Date Analyzed: 06/06/07 20:31					
Client ID:			Units: mg/Kg			Date Prepared: 6/4/07					
Lead	40.91	5.0	50.00		82%	75	125				
Sample ID: 0705626-05A-MSD Batch ID: 13818			Test Code: SW6010B			Date Analyzed: 06/06/07 20:35					
Client ID:			Units: mg/Kg			Date Prepared: 6/4/07					
Lead	42.44	5.0	50.00		85%	75	125	40.91	4%	20	



**TRANSWEST
GEOCHEM**

Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705573-01A-MS	Batch ID: GCMS_T_070529A	Test Code: SW8260B		Date Analyzed: 05/29/07 18:12		Date Prepared: 5/23/07					
Client ID:	Units: mg/Kg										
Acetone	1.911	1.5	2.000		96%	39	147				
Benzene	0.8225	0.050	1.000		82%	70	130				
Bromobenzene	0.7785	0.25	1.000		78%	70	130				
Bromochloromethane	0.9035	0.050	1.000		90%	70	130				
Bromodichloromethane	0.8215	0.050	1.000		82%	70	130				
Bromoform	0.7920	0.10	1.000		79%	70	130				
Bromomethane	0.7515	0.50	1.000		75%	46	148				
2-Butanone	1.669	0.50	2.000		83%	49	122				
n-Butylbenzene	0.7840	0.25	1.000		78%	70	130				
sec-Butylbenzene	0.7870	0.25	1.000		79%	70	130				
tert-Butylbenzene	0.8020	0.25	1.000		80%	70	130				
Carbon disulfide	1.960	0.50	2.000		98%	40	124				
Carbon tetrachloride	0.8780	0.050	1.000		88%	70	130				
Chlorobenzene	0.7885	0.050	1.000		79%	70	130				
Dibromochloromethane	0.8105	0.050	1.000		81%	70	130				
Chloroethane	0.7515	0.50	1.000		75%	48	140				
Chloroform	0.8700	0.050	1.000		87%	70	130				
Chloromethane	0.4675	0.45	1.000		47%	23	147				
2-Chlorotoluene	0.7815	0.25	1.000		78%	70	130				
4-Chlorotoluene	0.7755	0.25	1.000		78%	70	130				
1,2-Dibromo-3-chloropropane	0.8950	0.50	1.000		90%	66	130				
1,2-Dibromoethane	0.8165	0.50	1.000		82%	70	130				
Dibromomethane	0.8145	0.25	1.000		81%	70	130				
1,2-Dichlorobenzene	0.7930	0.050	1.000		79%	70	130				
1,3-Dichlorobenzene	0.7920	0.050	1.000		79%	70	130				
1,4-Dichlorobenzene	0.7885	0.050	1.000		79%	70	130				
Dichlorodifluoromethane	0.2090	0.20	1.000		21%	8	164				
1,1-Dichloroethane	0.8850	0.050	1.000		89%	55	135				
1,2-Dichloroethane	0.8675	0.050	1.000		87%	70	130				
1,1-Dichloroethene	0.8575	0.10	1.000		86%	50	132				
cis-1,2-Dichloroethene	0.8370	0.050	1.000		84%	63	126				
trans-1,2-Dichloroethene	0.8460	0.050	1.000		85%	58	123				
1,2-Dichloropropane	0.8170	0.050	1.000		82%	70	130				
1,3-Dichloropropane	0.7920	0.25	1.000		79%	70	130				
2,2-Dichloropropane	0.8680	0.25	1.000		87%	55	125				
1,1-Dichloropropene	0.8245	0.25	1.000		82%	70	130				
cis-1,3-Dichloropropene	0.8450	0.050	1.000		85%	70	130				
trans-1,3-Dichloropropene	0.8285	0.050	1.000		83%	70	130				
Ethylbenzene	0.7820	0.10	1.000		78%	70	130				
Hexachlorobutadiene	0.8410	0.50	1.000		84%	70	130				
2-Hexanone	1.696	0.50	2.000		85%	70	130				
Iodomethane	1.749	0.50	2.000		87%	42	109				



**TRANSWEST
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Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.7945	0.25	1.000		79%	70	130				
4-Isopropyltoluene	0.8085	0.25	1.000		81%	70	130				
Methylene chloride	0.8285	0.50	1.000		83%	51	134				
4-Methyl-2-pentanone	1.761	0.50	2.000		88%	60	130				
Methyl tert-butyl ether	1.700	0.25	2.000		85%	70	130				
Naphthalene	0.8630	0.25	1.000		86%	62	132				
n-Propylbenzene	0.7700	0.25	1.000		77%	64	124				
Styrene	0.8020	0.25	1.000		80%	70	130				
1,1,1,2-Tetrachloroethane	0.8310	0.25	1.000		83%	70	130				
1,1,2,2-Tetrachloroethane	0.8470	0.10	1.000		85%	66	126				
Tetrachloroethene	0.7980	0.050	1.000		80%	62	125				
Toluene	0.7805	0.10	1.000		78%	63	124				
1,2,3-Trichlorobenzene	0.8130	0.25	1.000		81%	57	127				
1,2,4-Trichlorobenzene	0.8065	0.25	1.000		81%	70	130				
1,1,1-Trichloroethane	0.8875	0.050	1.000		89%	70	130				
1,1,2-Trichloroethane	0.7955	0.050	1.000		80%	70	130				
Trichloroethene	0.8230	0.050	1.000		82%	70	130				
Trichlorofluoromethane	0.7415	0.50	1.000		74%	42	137				
1,2,3-Trichloropropane	0.9080	0.25	1.000		91%	70	130				
1,2,4-Trimethylbenzene	0.8085	0.25	1.000		81%	70	130				
1,3,5-Trimethylbenzene	0.8055	0.25	1.000		81%	66	127				
Vinyl acetate	1.578	0.50	2.000		79%	32	133				
Vinyl chloride	0.7050	0.50	1.000		71%	32	150				
Xylenes, Total	2.371	0.15	3.000		79%	70	130				
4-Bromofluorobenzene	2.110	N/A	2.500		84%	59	131				
1,2-Dichloroethane-d4	2.240	N/A	2.500		90%	63	123				
Dibromofluoromethane	2.328	N/A	2.500		93%	63	123				
Toluene-d8	2.150	N/A	2.500		86%	64	120				



**TRANSWEST
GEOCHEM**

Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705573-01A-MSD	Batch ID: GCMS_T_070529A	Test Code: SW8260B		Date Analyzed: 05/29/07 18:56		Date Prepared: 5/23/07					
Client ID:	Units: mg/Kg										
Acetone	1.893	1.5	2.000		85%	39	147	1.911	12%	38	
Benzene	0.8355	0.050	1.000		84%	70	130	0.8225	2%	20	
Bromobenzene	0.8130	0.25	1.000		81%	70	130	0.7785	4%	20	
Bromochloromethane	0.8965	0.050	1.000		90%	70	130	0.9035	1%	24	
Bromodichloromethane	0.8190	0.050	1.000		82%	70	130	0.8215	0%	20	
Bromoform	0.8060	0.10	1.000		81%	70	130	0.792	2%	20	
Bromomethane	0.7585	0.50	1.000		76%	46	148	0.7515	1%	31	
2-Butanone	1.480	0.50	2.000		74%	49	122	1.669	12%	29	
n-Butylbenzene	0.8015	0.25	1.000		80%	70	130	0.784	2%	20	
sec-Butylbenzene	0.8070	0.25	1.000		81%	70	130	0.787	3%	20	
tert-Butylbenzene	0.8175	0.25	1.000		82%	70	130	0.802	2%	20	
Carbon disulfide	1.986	0.50	2.000		99%	40	124	1.96	1%	27	
Carbon tetrachloride	0.9010	0.050	1.000		90%	70	130	0.878	3%	20	
Chlorobenzene	0.7940	0.050	1.000		79%	70	130	0.7885	1%	20	
Dibromochloromethane	0.8210	0.050	1.000		82%	70	130	0.8105	1%	20	
Chloroethane	0.7260	0.50	1.000		73%	48	140	0.7515	3%	28	
Chloroform	0.8750	0.050	1.000		88%	70	130	0.87	1%	20	
Chloromethane	0.4680	0.45	1.000		47%	23	147	0.4675	0%	28	
2-Chlorotoluene	0.7895	0.25	1.000		79%	70	130	0.7815	1%	23	
4-Chlorotoluene	0.8080	0.25	1.000		81%	70	130	0.7755	4%	23	
1,2-Dibromo-3-chloropropane	0.8770	0.50	1.000		88%	66	130	0.895	2%	23	
1,2-Dibromoethane	0.8220	0.50	1.000		82%	70	130	0.8165	1%	20	
Dibromomethane	0.8080	0.25	1.000		81%	70	130	0.8145	1%	20	
1,2-Dichlorobenzene	0.8225	0.050	1.000		82%	70	130	0.793	4%	20	
1,3-Dichlorobenzene	0.8225	0.050	1.000		80%	70	130	0.792	1%	20	
1,4-Dichlorobenzene	0.7965	0.050	1.000		81%	70	130	0.7885	3%	20	
Dichlorodifluoromethane	0.8125	0.050	1.000		22%	8	164	0.209	3%	35	
1,1-Dichloroethane	0.2150	0.20	1.000		89%	55	135	0.885	1%	24	
1,2-Dichloroethane	0.8915	0.050	1.000		87%	70	130	0.8675	1%	20	
1,1-Dichloroethene	0.8725	0.050	1.000		86%	50	132	0.8575	0%	30	
cis-1,2-Dichloroethene	0.8610	0.10	1.000		83%	63	126	0.837	1%	22	
trans-1,2-Dichloroethene	0.8260	0.050	1.000		85%	58	123	0.846	1%	24	
1,2-Dichloropropane	0.8535	0.050	1.000		82%	70	130	0.817	0%	20	
1,3-Dichloropropane	0.8210	0.050	1.000		80%	70	130	0.792	1%	20	
2,2-Dichloropropane	0.7995	0.25	1.000		90%	55	125	0.868	4%	21	
1,1-Dichloropropene	0.9015	0.25	1.000		83%	70	130	0.8245	1%	20	
cis-1,3-Dichloropropene	0.8290	0.25	1.000		85%	70	130	0.845	0%	20	
trans-1,3-Dichloropropene	0.8490	0.050	1.000		87%	70	130	0.8285	4%	20	
Ethylbenzene	0.8655	0.050	1.000		87%	70	130	0.782	1%	20	
Hexachlorobutadiene	0.7900	0.10	1.000		79%	70	130	0.841	7%	20	
2-Hexanone	0.9060	0.50	1.000		91%	70	130	0.841	7%	20	
Iodomethane	1.588	0.50	2.000		79%	70	130	1.696	7%	24	
	1.804	0.50	2.000		90%	42	109	1.749	3%	26	



**TRANSWEST
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Date: 11-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.8045	0.25	1.000		80%	70	130	0.7945	1%	20	
4-Isopropyltoluene	0.8395	0.25	1.000		84%	70	130	0.8085	4%	20	
Methylene chloride	0.8415	0.50	1.000		84%	51	134	0.8285	2%	26	
4-Methyl-2-pentanone	1.664	0.50	2.000		83%	60	130	1.761	6%	25	
Methyl tert-butyl ether	1.720	0.25	2.000		86%	70	130	1.7	1%	20	
Naphthalene	0.8530	0.25	1.000		85%	62	132	0.863	1%	33	
n-Propylbenzene	0.7985	0.25	1.000		80%	64	124	0.77	4%	21	
Styrene	0.8060	0.25	1.000		81%	70	130	0.802	0%	20	
1,1,1,2-Tetrachloroethane	0.8625	0.25	1.000		86%	70	130	0.831	4%	20	
1,1,2,2-Tetrachloroethane	0.8125	0.10	1.000		81%	66	126	0.847	4%	25	
Tetrachloroethene	0.8390	0.050	1.000		84%	62	125	0.798	5%	22	
Toluene	0.7975	0.10	1.000		80%	63	124	0.7805	2%	22	
1,2,3-Trichlorobenzene	0.8545	0.25	1.000		85%	57	127	0.813	5%	35	
1,2,4-Trichlorobenzene	0.8515	0.25	1.000		85%	70	130	0.8065	5%	23	
1,1,1-Trichloroethane	0.8955	0.050	1.000		90%	70	130	0.8875	1%	20	
1,1,2-Trichloroethane	0.7955	0.050	1.000		80%	70	130	0.7955	0%	20	
Trichloroethene	0.8430	0.050	1.000		84%	70	130	0.823	2%	21	
Trichlorofluoromethane	0.8430	0.050	1.000		76%	42	137	0.7415	2%	29	
1,2,3-Trichloropropane	0.7555	0.50	1.000		88%	70	130	0.908	3%	21	
1,2,4-Trimethylbenzene	0.8810	0.25	1.000		82%	70	130	0.8085	2%	20	
1,3,5-Trimethylbenzene	0.8245	0.25	1.000		82%	66	127	0.8055	2%	21	
Vinyl acetate	0.8245	0.25	1.000		75%	32	133	1.578	5%	34	
Vinyl chloride	1.502	0.50	2.000		75%	32	150	0.705	6%	32	
Xylenes, Total	0.7450	0.50	1.000		80%	70	130	2.371	2%	20	
4-Bromofluorobenzene	2.408	0.15	3.000		86%	59	131				
1,2-Dichloroethane-d4	2.139	N/A	2.500		90%	63	123				
Dibromofluoromethane	2.252	N/A	2.500		94%	63	123				
Toluene-d8	2.348	N/A	2.500		86%	64	120				
	2.143	N/A	2.500								



**TRANSWEST
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Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
 Laboratory Fortified Blank

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LFB-13755 Batch ID: 13755 Test Code: 8015AZ Date Analyzed: 05/24/07 13:03 Units: mg/Kg Date Prepared: 5/24/07											
C10-C22 DRO	542	30	500		108%	70	130				
o-Terphenyl	11.2	N/A	10.0		112%	70	130				
Sample ID: LFBD-13755 Batch ID: 13755 Test Code: 8015AZ Date Analyzed: 05/24/07 13:47 Units: mg/Kg Date Prepared: 5/24/07											
C10-C22 DRO	545	30	500		109%	70	130	542	1%	20	
o-Terphenyl	11.2	N/A	10.0		112%	70	130				
Sample ID: LCS-13779 Batch ID: 13779 Test Code: EPA 8310 Date Analyzed: 06/02/07 04:38 Units: mg/Kg Date Prepared: 5/29/07											
Acenaphthene	1.481	0.40	2.000		74%	70	130				
Acenaphthylene	2.965	0.40	4.000		74%	70	130				
Anthracene	0.1520	0.040	0.2000		76%	70	130				
Benz[a]anthracene	0.1470	0.040	0.2000		74%	70	130				
Benzo[a]pyrene	0.1490	0.010	0.2000		75%	70	130				
Benzo[b]fluoranthene	0.2970	0.040	0.4000		74%	70	130				
Benzo[g,h,i]perylene	0.2830	0.040	0.4000		71%	70	130				
Benzo[k]fluoranthene	0.1480	0.040	0.2000		74%	70	130				
Chrysene	0.1490	0.040	0.2000		75%	70	130				
Dibenz[a,h]anthracene	0.2800	0.040	0.4000		70%	70	130				
Fluoranthene	0.3060	0.040	0.4000		77%	70	130				
Fluorene	0.2840	0.040	0.4000		71%	70	130				
Indeno[1,2,3-cd]pyrene	0.1530	0.020	0.2000		77%	70	130				
Naphthalene	1.427	0.10	2.000		71%	70	130				
Phenanthrene	0.1480	0.080	0.2000		74%	70	130				
Pyrene	0.1390	0.040	0.2000		70%	70	130				
2-Chloroanthracene	0.8020	N/A	1.000		80%	51	125				

Date: 11-Jun-07

License No. AZM133/AZ0133



**TRANSWEST
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QC SUMMARY REPORT

Blank Spike Duplicate

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705545
 Project: TFD UST/206100.27

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS-13779 Batch ID: 13779 Test Code: EPA 8310 Date Analyzed: 06/02/07 05:09 Units: mg/Kg Date Prepared: 5/29/07											
Acenaphthene	1.675	0.40	2.000		84%	70	130	1.481	12%	20	
Acenaphthylene	3.316	0.40	4.000		83%	70	130	2.965	11%	20	
Anthracene	0.1700	0.040	0.2000		85%	70	130	0.152	11%	20	
Benzo[a]anthracene	0.1640	0.040	0.2000		82%	70	130	0.147	11%	20	
Benzo[a]pyrene	0.1680	0.010	0.2000		84%	70	130	0.149	12%	22	
Benzo[b]fluoranthene	0.3330	0.040	0.4000		83%	70	130	0.297	11%	20	
Benzo[g,h,i]perylene	0.3200	0.040	0.4000		80%	70	130	0.283	12%	20	
Benzo[k]fluoranthene	0.1660	0.040	0.2000		83%	70	130	0.148	11%	20	
Chrysene	0.1680	0.040	0.2000		84%	70	130	0.149	12%	20	
Dibenz[a,h]anthracene	0.3160	0.040	0.4000		79%	70	130	0.28	12%	20	
Fluoranthene	0.3460	0.040	0.4000		87%	70	130	0.306	12%	21	
Fluorene	0.3180	0.040	0.4000		80%	70	130	0.284	11%	20	
Indeno[1,2,3-cd]pyrene	0.1740	0.020	0.2000		87%	70	130	0.153	13%	20	
Naphthalene	1.597	0.10	2.000		80%	70	130	1.427	11%	20	
Phenanthrene	0.1650	0.080	0.2000		83%	70	130	0.148	11%	20	
Pyrene	0.1540	0.040	0.2000		77%	70	130	0.139	10%	25	
2-Chloroanthracene	0.9510	N/A	1.000		95%	51	125				
Sample ID: LCS-13818 Batch ID: 13818 Test Code: SW6010B Date Analyzed: 06/06/07 20:13 Units: mg/Kg Date Prepared: 6/4/07											
Lead	46.93	5.0	50.00		94%	80	120				
Sample ID: LCS-13818 Batch ID: 13818 Test Code: SW6010B Date Analyzed: 06/06/07 20:16 Units: mg/Kg Date Prepared: 6/4/07											
Lead	48.32	5.0	50.00		97%	80	120	46.93	3%	20	



**TRANSWEST
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Date: 11-Jun-07

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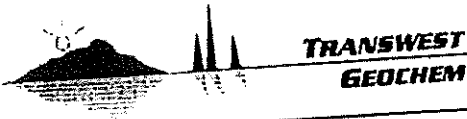
CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS 5/23	Batch ID: GCMS_T_070529A		Test Code: SW8260B			Date Analyzed: 05/29/07 13:50					
			Units: mg/Kg			Date Prepared: 5/23/07					
Acetone	2.573	1.5	2.000		129%	45	152				
Benzene	0.8855	0.050	1.000		89%	70	130				
Bromobenzene	0.8890	0.25	1.000		87%	70	130				
Bromochloromethane	0.9535	0.050	1.000		95%	70	130				
Bromodichloromethane	0.8865	0.050	1.000		89%	70	130				
Bromoform	0.8395	0.10	1.000		84%	70	130				
Bromomethane	0.8190	0.50	1.000		82%	51	147				
2-Butanone	1.927	0.50	2.000		96%	47	131				
n-Butylbenzene	0.8815	0.25	1.000		88%	70	130				
sec-Butylbenzene	0.8735	0.25	1.000		87%	70	130				
tert-Butylbenzene	0.8720	0.25	1.000		87%	70	130				
Carbon disulfide	1.795	0.50	2.000		90%	45	127				
Carbon tetrachloride	0.9195	0.050	1.000		92%	70	130				
Chlorobenzene	0.8565	0.050	1.000		86%	70	130				
Dibromochloromethane	0.8815	0.050	1.000		88%	70	130				
Chloroethane	0.8315	0.50	1.000		83%	54	138				
Chloroform	0.9200	0.050	1.000		92%	70	130				
Chloromethane	0.5340	0.50	1.000		53%	28	149				
2-Chlorotoluene	0.8585	0.25	1.000		86%	70	130				
4-Chlorotoluene	0.8670	0.25	1.000		87%	70	130				
1,2-Dibromo-3-chloropropane	0.9655	0.50	1.000		97%	70	130				
1,2-Dibromoethane	0.8815	0.50	1.000		88%	70	130				
Dibromomethane	0.8775	0.25	1.000		88%	70	130				
1,2-Dichlorobenzene	0.8695	0.050	1.000		87%	70	130				
1,3-Dichlorobenzene	0.8600	0.050	1.000		86%	70	130				
1,4-Dichlorobenzene	0.8580	0.050	1.000		86%	70	130				
Dichlorodifluoromethane	0.2375	0.20	1.000		24%	13	153				
1,1-Dichloroethane	0.9420	0.050	1.000		94%	66	130				
1,2-Dichloroethane	0.9300	0.050	1.000		93%	70	130				
1,1-Dichloroethene	0.8985	0.10	1.000		90%	59	130				
cis-1,2-Dichloroethene	0.8985	0.050	1.000		90%	70	130				
trans-1,2-Dichloroethene	0.8350	0.050	1.000		84%	63	123				
1,2-Dichloropropane	0.9020	0.050	1.000		90%	70	130				
1,3-Dichloropropane	0.8600	0.25	1.000		86%	70	130				
2,2-Dichloropropane	1.022	0.25	1.000		102%	60	139				
1,1-Dichloropropene	0.8880	0.25	1.000		89%	70	130				
cis-1,3-Dichloropropene	0.9375	0.050	1.000		94%	70	130				
trans-1,3-Dichloropropene	0.9445	0.050	1.000		94%	70	130				
Ethylbenzene	0.8620	0.10	1.000		86%	70	130				
Hexachlorobutadiene	0.8935	0.50	1.000		89%	70	130				
2-Hexanone	1.658	0.50	2.000		83%	70	130				
Iodomethane	1.716	0.50	2.000		86%	41	124				

Date: 11-Jun-07

License No. AZM133/AZ0133



QC SUMMARY REPORT

Blank Spike

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.8775	0.25	1.000		88%	70	130				
4-Isopropyltoluene	0.8910	0.25	1.000		89%	70	130				
Methylene chloride	0.8685	0.50	1.000		87%	54	140				
4-Methyl-2-pentanone	1.879	0.50	2.000		94%	70	130				
Methyl tert-butyl ether	1.871	0.25	2.000		94%	68	139				
Naphthalene	0.9285	0.25	1.000		93%	68	131				
n-Propylbenzene	0.8640	0.25	1.000		86%	70	130				
Styrene	0.8825	0.25	1.000		88%	70	130				
1,1,1,2-Tetrachloroethane	0.9100	0.25	1.000		91%	70	130				
1,1,2,2-Tetrachloroethane	0.9045	0.10	1.000		90%	70	130				
Tetrachloroethene	0.8765	0.050	1.000		88%	70	130				
Toluene	0.8750	0.10	1.000		88%	70	130				
1,2,3-Trichlorobenzene	0.8695	0.25	1.000		87%	64	133				
1,2,4-Trichlorobenzene	0.8730	0.25	1.000		87%	70	130				
1,1,1-Trichloroethane	0.9315	0.050	1.000		93%	70	130				
1,1,2-Trichloroethane	0.8720	0.050	1.000		87%	70	130				
Trichloroethene	0.8900	0.050	1.000		89%	70	130				
Trichlorofluoromethane	0.8220	0.50	1.000		82%	49	135				
1,2,3-Trichloropropane	0.9730	0.25	1.000		97%	70	130				
1,2,4-Trimethylbenzene	0.9515	0.25	1.000		95%	70	130				
1,3,5-Trimethylbenzene	0.9125	0.25	1.000		91%	70	130				
Vinyl acetate	2.333	0.50	2.000		117%	41	142				
Vinyl chloride	0.7490	0.50	1.000		75%	37	148				
Xylenes, Total	2.656	0.15	3.000		89%	70	130				
4-Bromofluorobenzene	2.282	N/A	2.500		91%	59	131				
1,2-Dichloroethane-d4	2.402	N/A	2.500		96%	63	123				
Dibromofluoromethane	2.511	N/A	2.500		100%	63	123				
Toluene-d8	2.350	N/A	2.500		94%	64	120				



**TRANSWEST
GEOCHEM**

Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD 5/23	Batch ID: GCMS_T_070529A		Test Code: SW8260B			Date Analyzed: 05/29/07 14:33					
			Units: mg/Kg			Date Prepared: 5/23/07					
Acetone	2.286	1.5	2.000		114%	45	152	2.573	12%	34	
Benzene	0.8950	0.050	1.000		90%	70	130	0.8855	1%	20	
Bromobenzene	0.8810	0.25	1.000		88%	70	130	0.869	1%	20	
Bromochloromethane	0.9680	0.050	1.000		97%	70	130	0.9535	2%	23	
Bromodichloromethane	0.9040	0.050	1.000		90%	70	130	0.8865	2%	20	
Bromoform	0.8505	0.10	1.000		85%	70	130	0.8395	1%	20	
Bromomethane	0.9540	0.50	1.000		95%	51	147	0.819	15%	30	
2-Butanone	1.723	0.50	2.000		86%	47	131	1.927	11%	31	
n-Butylbenzene	0.8930	0.25	1.000		89%	70	130	0.8815	1%	20	
sec-Butylbenzene	0.8920	0.25	1.000		89%	70	130	0.8735	2%	20	
tert-Butylbenzene	0.9030	0.25	1.000		90%	70	130	0.872	3%	20	
Carbon disulfide	1.866	0.50	2.000		93%	45	127	1.795	4%	25	
Carbon tetrachloride	0.9540	0.050	1.000		95%	70	130	0.9195	4%	20	
Chlorobenzene	0.8820	0.050	1.000		88%	70	130	0.8565	3%	20	
Dibromochloromethane	0.8860	0.050	1.000		88%	70	130	0.8815	1%	20	
Chloroethane	0.8495	0.50	1.000		85%	54	138	0.8315	2%	28	
Chloroform	0.9330	0.050	1.000		85%	70	130	0.92	1%	20	
Chloromethane	0.5315	0.50	1.000		93%	70	130	0.92	1%	20	
2-Chlorotoluene	0.8675	0.25	1.000		53%	28	149	0.534	0%	30	
4-Chlorotoluene	0.8715	0.25	1.000		87%	70	130	0.8585	1%	21	
1,2-Dibromo-3-chloropropane	0.9570	0.50	1.000		87%	70	130	0.867	1%	20	
1,2-Dibromoethane	0.8935	0.50	1.000		96%	70	130	0.9655	1%	20	
Dibromomethane	0.8885	0.25	1.000		89%	70	130	0.8815	1%	20	
1,2-Dichlorobenzene	0.8775	0.050	1.000		89%	70	130	0.8775	1%	20	
1,3-Dichlorobenzene	0.8805	0.050	1.000		88%	70	130	0.8695	1%	20	
1,4-Dichlorobenzene	0.8795	0.050	1.000		88%	70	130	0.86	2%	20	
Dichlorodifluoromethane	0.2355	0.20	1.000		24%	13	153	0.2375	1%	27	
1,1-Dichloroethane	0.9530	0.050	1.000		95%	66	130	0.942	1%	20	
1,2-Dichloroethane	0.9420	0.050	1.000		94%	70	130	0.93	1%	20	
1,1-Dichloroethene	0.9095	0.10	1.000		91%	59	130	0.8985	1%	25	
cis-1,2-Dichloroethene	0.9140	0.050	1.000		91%	70	130	0.8985	2%	20	
trans-1,2-Dichloroethene	0.8605	0.050	1.000		86%	63	123	0.835	3%	20	
1,2-Dichloropropane	0.8955	0.050	1.000		90%	70	130	0.902	1%	20	
1,3-Dichloropropane	0.8680	0.25	1.000		87%	70	130	0.86	1%	20	
2,2-Dichloropropane	0.9615	0.25	1.000		96%	60	139	1.022	6%	20	
1,1-Dichloropropene	0.8965	0.25	1.000		90%	70	130	0.888	1%	20	
cis-1,3-Dichloropropene	0.9425	0.050	1.000		94%	70	130	0.9375	1%	20	
trans-1,3-Dichloropropene	0.8830	0.050	1.000		88%	70	130	0.9445	7%	20	
Ethylbenzene	0.8890	0.10	1.000		89%	70	130	0.862	3%	20	
Hexachlorobutadiene	0.9075	0.50	1.000		91%	70	130	0.8935	2%	20	
2-Hexanone	1.649	0.50	2.000		82%	70	130	1.658	1%	21	
Iodomethane	1.772	0.50	2.000		89%	41	124	1.716	3%	26	



**TRANSWEST
GEOCHEM**

Date: 11-Jun-07

License No. AZM133/AZ0133

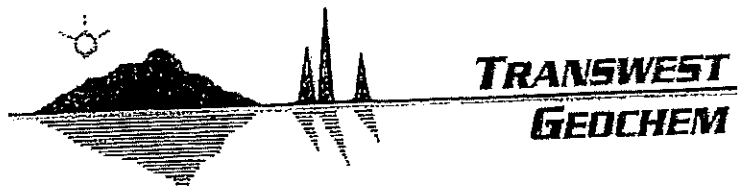
CLIENT: Environmental & Engineering Consultants,
Work Order: 0705545
Project: TFD UST/206100.27

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.8965	0.25	1.000		90%	70	130	0.8775	2%	20	
4-Isopropyltoluene	0.9225	0.25	1.000		92%	70	130	0.891	3%	20	
Methylene chloride	0.8820	0.50	1.000		88%	54	140	0.8685	2%	26	
4-Methyl-2-pentanone	1.879	0.50	2.000		94%	70	130	1.879	0%	23	
Methyl tert-butyl ether	1.758	0.25	2.000		88%	68	139	1.871	6%	20	
Naphthalene	0.9310	0.25	1.000		93%	68	131	0.9285	0%	22	
n-Propylbenzene	0.8765	0.25	1.000		88%	70	130	0.864	1%	20	
Styrene	0.9000	0.25	1.000		90%	70	130	0.8825	2%	20	
1,1,1,2-Tetrachloroethane	0.9085	0.25	1.000		91%	70	130	0.91	0%	20	
1,1,2,2-Tetrachloroethane	0.9115	0.10	1.000		91%	70	130	0.9045	1%	20	
Tetrachloroethene	0.8805	0.050	1.000		88%	70	130	0.8765	0%	20	
Toluene	0.8760	0.10	1.000		88%	70	130	0.875	0%	20	
1,2,3-Trichlorobenzene	0.8755	0.25	1.000		88%	64	133	0.8695	1%	24	
1,2,4-Trichlorobenzene	0.8755	0.25	1.000		90%	70	130	0.873	3%	20	
1,1,1-Trichloroethane	0.8975	0.25	1.000		96%	70	130	0.9315	2%	20	
1,1,2-Trichloroethane	0.9550	0.050	1.000		89%	70	130	0.872	2%	20	
Trichloroethene	0.8870	0.050	1.000		91%	70	130	0.89	3%	20	
Trichlorofluoromethane	0.9145	0.050	1.000		82%	49	135	0.822	1%	28	
1,2,3-Trichloropropane	0.8175	0.50	1.000		95%	70	130	0.973	2%	20	
1,2,4-Trimethylbenzene	0.9525	0.25	1.000		91%	70	130	0.9515	4%	20	
1,3,5-Trimethylbenzene	0.9140	0.25	1.000		92%	70	130	0.9125	0%	20	
Vinyl acetate	0.9150	0.25	1.000		92%	70	130	0.9125	0%	27	
Vinyl chloride	2.327	0.50	2.000		116%	41	142	2.333	0%	20	
Xylenes, Total	0.7825	0.50	1.000		78%	37	148	0.749	4%	30	
4-Bromofluorobenzene	2.6625	0.15	3.000		89%	70	130	2.656	0%	20	
1,2-Dichloroethane-d4	2.329	N/A	2.500		93%	59	131				
Dibromofluoromethane	2.411	N/A	2.500		96%	63	123				
Toluene-d8	2.519	N/A	2.500		101%	63	123				
	2.355	N/A	2.500		94%	64	120				

Storage Location: S-24
Brass



Sample Receipt Checklist

Client Name: Tucson - EEC
Work Order Number: 0705545
Checklist completed by: [Signature] 5/23/07
Signature / Date

Date and Time Received: 5/23/07 1735
Checked by: S4
Logged In by: TW S-23-07
Initials / Date
Reviewed by: [Signature] 5-24-07
Initials / Date

Matrix: Sch Carrier Name: Client TGI Exp 105517

COMMENTS

- Shipping container/cooler in good condition? Yes No Not Present
- 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
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No Temp: 31° Sampled < 2hrs
- Water - VOA vials have zero headspace? Yes No N/A
- Water - pH acceptable upon receipt? Yes No N/A Checked by: NA
- Water - Sulfides present in Cyanide samples? Yes No N/A
- Samples considered Drinking Water for metal analysis? Yes No N/A

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



TRANSWEST
GEOTECH

Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 5/21/07 16:05

Work Order Number: 0705545

Received by: Keith Korola

Checklist completed by: Keith K. 5/21/07
Signature / Date

Logged In by: _____
Initials / Date

Matrix: Soil

Carrier Name: client

Reviewed by: _____
Initials / Date

COMMENTS

- | | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Temp: <u>5.6 °C</u> |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Water - Sulfides present in Cyanide samples? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |

Adjusted? _____ Checked by: _____

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



3725 E. Atlanta Ave.
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

3860 S. Palo Verde Rd., Ste. 301
Tucson, Arizona 85714
Phone: (520) 573-1061
Fax: (520) 573-1063

Chain of Custody

TGI Work Order No: 0705545
Date 5/21/07 Page 1 of 1

Project Manager: Kenn Rieck
Client Name: EFC
Address: 4615 E Ft Lowell Rd
City, State, Zip: Tucson AZ
Phone: 520-321-4615 Fax: 520-721-0523

Bill To: City of Tucson Enviro Service
Company: City of Tucson Enviro Service
Address: 100 N Spine Ave 2nd floor
City, State, Zip: Tucson AZ Fax: 520-741-5417
Phone: 520-741-5417

P.O. No.:
Project Name: TFD UST
Project Number: 206100.27
Temperature: 5.60C
Ice: (Yes) No N/A Absent/ Present
Received Intact: (Yes) No N/A Absent/ Present
Custody Seals: Yes (No) N/A Wet/ Blue
Total No. of Containers: 3

ANALYSIS REQUEST

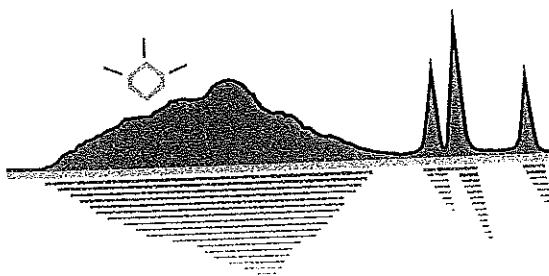
TPH, (8015AZR.1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
BTEX (6021B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Volatile Organics GCMS (624/8260B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SDWA Volatiles, (524.2)			
Semi-Volatile Organics GCMS (625/8270)			
Organochlorine Pesticides (608/8081)			
PCB's, (8082)			
PAH, EPA (8310)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8 RCRA Metals			

total lead (S)

Comments: Added per K. Pierce 5/21/07
UST sample
48 hr extraction needed !!

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID
TFD-UST-E-20	UST	5/21/07	1205	01
TFD-UST-E-40	UST	5/21/07	1300	02
TFD-UST-E-50	UST	5/21/07	1343	03

Relinquished by: (Signature)	(Print Name)	Received by: (Signature)	(Print Name)	Date / Time
<u>[Signature]</u>	<u>Kenn Rieck</u>	<u>[Signature]</u>	<u>Keith Koppala</u>	<u>5/21/07 16:05</u>
<u>[Signature]</u>	<u>Aerin Collins</u>	<u>[Signature]</u>	<u>Express IT</u>	<u>5/21/07 1100</u>
<u>[Signature]</u>	<u>Express IT</u>	<u>[Signature]</u>	<u>Express IT</u>	<u>5/23/07 1735</u>



June 13, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE: TFD UST Assessment
Work Order No.: 0705670

Dear Kevin,

Transwest Geochem, Inc. received 5 samples on 5/29/2007 3:20:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 13-Jun-07

Client: Environmental & Engineering Consultants,
Work Order: 0705670
Project Name: TFD UST Assessment
Project Number:

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.



**TRANSWEST
GEOCHEM**

Date Printed 12-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST Assessment
Project Number:
Work Order: 0705670
Date Received: 29-May-07

**Case Narrative
Data Qualifiers**

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

- D2 Sample required dilution due to high concentration of target analyte.
- L2 The associated blank spike recovery was below laboratory acceptance limits.
- S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.
- V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.



**TRANSWEST
GEOCHEM**

Date Printed 12-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST Assessment
Project Number:
Work Order: 0705670

Work Order Sample Summary

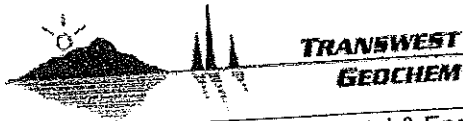
Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
DIE 35'	0705670-01A	8015AZ	5/25/07 10:32 AM	5/29/07 03:20 PM
	0705670-01B	SW8260B	5/25/07 10:32 AM	5/29/07 03:20 PM
DIE 45'	0705670-02A	8015AZ	5/25/07 11:00 AM	5/29/07 03:20 PM
	0705670-02B	SW8260B	5/25/07 11:00 AM	5/29/07 03:20 PM
HQ UST W-20'	0705670-03A	8015AZ	5/29/07 12:05 PM	5/29/07 03:20 PM
		SW8260B	5/29/07 12:05 PM	5/29/07 03:20 PM
HQ UST W-40'	0705670-04A	8015AZ	5/29/07 01:05 PM	5/29/07 03:20 PM
		SW8260B	5/29/07 01:05 PM	5/29/07 03:20 PM
HQ UST W-55'	0705670-05A	8015AZ	5/29/07 02:00 PM	5/29/07 03:20 PM
		EPA 8310	5/29/07 02:00 PM	5/29/07 03:20 PM
		SW6010B	5/29/07 02:00 PM	5/29/07 03:20 PM
		SW8260B	5/29/07 02:00 PM	5/29/07 03:20 PM



CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST Assessment
Project Number:
Work Order: 0705670
Date Received: 29-May-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



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CLIENT: Environmental & Engineering Consultants, I
Project Name: TFD UST Assessment
Project Number:
Work Order: 0705670
Date Received: 29-May-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM Method D4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600/4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



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Date Printed 12-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Lab ID: 0705670-01
Project Name: TFD UST Assessment
Project Number:

Client Sample ID: DIE 35'
Collection Date: 5/25/2007 10:32:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	310	20		mg/Kg	1.0	8015AZ	6/3/07	6/6/07 12:16	MJB	13815
C10-C22 DRO	49	30		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 5:58	MJB	13815
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 5:58	MJB	13815
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 5:58	MJB	13815
o-Terphenyl(Surrogate)	109	70-130		%REC	1.0	8015AZ	6/3/07	6/5/07 5:58	MJB	13815
Benzene	9.6	0.50	D2	mg/Kg	10	SW8260B	5/24/07	6/4/07 10:59	BSP	GCMS10_070531B
Ethylbenzene	24	1.0	D2	mg/Kg	10	SW8260B	5/24/07	6/4/07 10:59	BSP	GCMS10_070531B
Toluene	62	2.0	D2	mg/Kg	20	SW8260B	5/24/07	6/4/07 19:18	BSP	GCMS10_070531B
Xylenes, Total	79	1.5	D2	mg/Kg	10	SW8260B	5/24/07	6/4/07 10:59	BSP	GCMS10_070531B
4-Bromofluorobenzene(Surrogate)	38	59-131	S6	%REC	10	SW8260B	5/24/07	6/4/07 10:59	BSP	GCMS10_070531B
1,2-Dichloroethane-d4(Surrogate)	82	63-123		%REC	10	SW8260B	5/24/07	6/4/07 10:59	BSP	GCMS10_070531B
Dibromofluoromethane(Surrogate)	71	63-123		%REC	10	SW8260B	5/24/07	6/4/07 10:59	BSP	GCMS10_070531B
Toluene-d8(Surrogate)	80	64-120		%REC	10	SW8260B	5/24/07	6/4/07 10:59	BSP	GCMS10_070531B



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Lab ID: 0705670-02
Project Name: TFD UST Assessment
Project Number:

Client Sample ID: DIE 45'
Collection Date: 5/25/2007 11:00:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	660	20		mg/Kg	1.0	8015AZ	6/3/07	6/6/07 13:01	MJB	13815
C10-C22 DRO	260	30		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 6:42	MJB	13815
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 6:42	MJB	13815
C10-C32 SRL	260	130		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 6:42	MJB	13815
o-Terphenyl(Surrogate)	109	70-130		%REC	1.0	8015AZ	6/3/07	6/5/07 6:42	MJB	13815
Benzene	5.9	0.080	D2	mg/Kg	1.6	SW8260B	5/24/07	5/31/07 17:50	BSP	GCMS10_070531B
Ethylbenzene	44	3.2	D2	mg/Kg	32	SW8260B	5/24/07	6/4/07 11:34	BSP	GCMS10_070531B
Toluene	34	3.2	D2	mg/Kg	32	SW8260B	5/24/07	6/4/07 11:34	BSP	GCMS10_070531B
Xylenes, Total	150	4.8	D2	mg/Kg	32	SW8260B	5/24/07	6/4/07 11:34	BSP	GCMS10_070531B
4-Bromofluorobenzene(Surrogate)	95	59-131		%REC	1.6	SW8260B	5/24/07	5/31/07 17:50	BSP	GCMS10_070531B
1,2-Dichloroethane-d4(Surrogate)	79	63-123		%REC	1.6	SW8260B	5/24/07	5/31/07 17:50	BSP	GCMS10_070531B
Dibromofluoromethane(Surrogate)	89	63-123		%REC	1.6	SW8260B	5/24/07	5/31/07 17:50	BSP	GCMS10_070531B
Toluene-d8(Surrogate)	86	64-120		%REC	1.6	SW8260B	5/24/07	5/31/07 17:50	BSP	GCMS10_070531B



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Lab ID: 0705670-03
Project Name: TFD UST Assessment
Project Number:

Client Sample ID: HQ UST W-20'
Collection Date: 5/29/2007 12:05:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20	V1	mg/Kg	1.0	8015AZ	6/3/07	6/5/07 7:27	MJB	13815
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 7:27	MJB	13815
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 7:27	MJB	13815
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 7:27	MJB	13815
o-Terphenyl(Surrogate)	105	70-130		%REC	1.0	8015AZ	6/3/07	6/5/07 7:27	MJB	13815
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:11	BSP	GCMS_T_070531A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:11	BSP	GCMS_T_070531A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:11	BSP	GCMS_T_070531A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:11	BSP	GCMS_T_070531A
4-Bromofluorobenzene(Surrogate)	83	59-131		%REC	1.0	SW8260B	5/31/07	5/31/07 13:11	BSP	GCMS_T_070531A
1,2-Dichloroethane-d4(Surrogate)	92	63-123		%REC	1.0	SW8260B	5/31/07	5/31/07 13:11	BSP	GCMS_T_070531A
Dibromofluoromethane(Surrogate)	94	63-123		%REC	1.0	SW8260B	5/31/07	5/31/07 13:11	BSP	GCMS_T_070531A
Toluene-d8(Surrogate)	87	64-120		%REC	1.0	SW8260B	5/31/07	5/31/07 13:11	BSP	GCMS_T_070531A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Lab ID: 0705670-04
Project Name: TFD UST Assessment
Project Number:

Client Sample ID: HQ UST W-40'
Collection Date: 5/29/2007 1:05:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20	V1	mg/Kg	1.0	8015AZ	6/3/07	6/5/07 8:12	MJB	13815
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 8:12	MJB	13815
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 8:12	MJB	13815
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 8:12	MJB	13815
o-Terphenyl(Surrogate)	106	70-130		%REC	1.0	8015AZ	6/3/07	6/5/07 8:12	MJB	13815
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Benzene	0.68	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Dichlorodifluoromethane	<0.50	0.50	L2	mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Lab ID: 0705670-04
Project Name: TFD UST Assessment
Project Number:

Client Sample ID: HQ UST W-40'
Collection Date: 5/29/2007 1:05:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Methyl tert-butyl ether	1.0	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Vinyl acetate	<0.50	0.50	V1	mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
4-Bromofluorobenzene(Surrogate)	73	59-131		%REC	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
1,2-Dichloroethane-d4(Surrogate)	79	63-123		%REC	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Dibromofluoromethane(Surrogate)	81	63-123		%REC	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A
Toluene-d8(Surrogate)	74	64-120		%REC	1.0	SW8260B	5/31/07	5/31/07 13:55	BSP	GCMS_T_070531A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Lab ID: 0705670-05
Project Name: TFD UST Assessment
Project Number:

Client Sample ID: HQ UST W-55'
Collection Date: 5/29/2007 2:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 11:10	MJB	13815
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 11:10	MJB	13815
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 11:10	MJB	13815
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/3/07	6/5/07 11:10	MJB	13815
o-Terphenyl(Surrogate)	108	70-130		%REC	1.0	8015AZ	6/3/07	6/5/07 11:10	MJB	13815
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
2-Chloroanthracene(Surrogate)	81	51-125		%REC	1.0	EPA 8310	5/31/07	6/3/07 15:17	NC	13805
Lead	<5.0	5.0		mg/Kg	1.0	SW6010B	6/4/07	6/5/07 20:04	BJK	13820
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Lab ID: 0705670-05
Project Name: TFD UST Assessment
Project Number:

Client Sample ID: HQ UST W-55'
Collection Date: 5/29/2007 2:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Dichlorodifluoromethane	<0.50	0.50	L2	mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Methyl tert-butyl ether	0.30	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A



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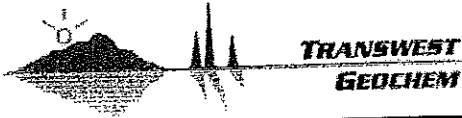
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Lab ID: 0705670-05
Project Name: TFD UST Assessment
Project Number:

Client Sample ID: HQ UST W-55'
Collection Date: 5/29/2007 2:00:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,3,5-Trimethylbenzene	<0.25	0.25	V1	mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Vinyl acetate	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
4-Bromofluorobenzene(Surrogate)	81	59-131		%REC	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
1,2-Dichloroethane-d4(Surrogate)	90	63-123		%REC	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Dibromofluoromethane(Surrogate)	89	63-123		%REC	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A
Toluene-d8(Surrogate)	79	64-120		%REC	1.0	SW8260B	5/31/07	5/31/07 14:38	BSP	GCMS_T_070531A



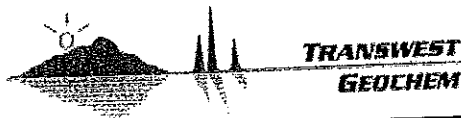
Date: 12-Jun-07

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CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705670
 Project: TFD UST Assessment

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20	V1	mg/Kg	1	8015AZ	6/3/07	6/4/07 13:35	MJB	13815
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	6/3/07	6/4/07 13:35	MJB	13815
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	6/3/07	6/4/07 13:35	MJB	13815
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	6/3/07	6/4/07 13:35	MJB	13815
o-Terphenyl	107	70-130		%REC	1	8015AZ	6/3/07	6/4/07 13:35	MJB	13815
Acenaphthene	<0.40	0.40		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Acenaphthylene	<0.40	0.40		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Benzo[a]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Chrysene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Fluorene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Naphthalene	<0.10	0.10		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Phenanthrene	<0.080	0.080		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Pyrene	<0.040	0.040		mg/Kg	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
2-Chloroanthracene	75	51-125		%REC	1	EPA 8310	5/31/07	6/3/07 8:30	NC	13805
Lead	<5.0	5.0		mg/Kg	1	SW6010B	6/4/07	6/5/07 18:26	BJK	13820



**TRANSWEST
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Date: 12-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A



**TRANSWEST
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Date: 12-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Vinyl acetate	<0.50	0.50	V1	mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
4-Bromofluorobenzene	85	59-131		%REC	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
1,2-Dichloroethane-d4	98	63-123		%REC	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Dibromofluoromethane	98	63-123		%REC	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A
Toluene-d8	90	64-120		%REC	1	SW8260B	5/31/07	5/31/07 11:00	BSP	GCMS_T_070531A



**TRANSWEST
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Date: 12-Jun-07

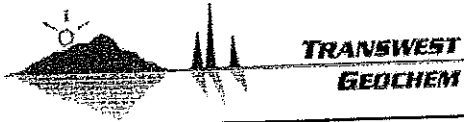
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QC SUMMARY REPORT

Method Blank

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Project: TFD UST Assessment

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acelone	<1.5	1.5		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B



**TRANSWEST
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Date: 12-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
4-Bromofluorobenzene	100	59-131		%REC	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
1,2-Dichloroethane-d4	88	63-123		%REC	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Dibromofluoromethane	89	63-123		%REC	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B
Toluene-d8	92	64-120		%REC	1	SW8260B	5/24/07	6/4/07 9:12	BSP	GCMS10_070531B



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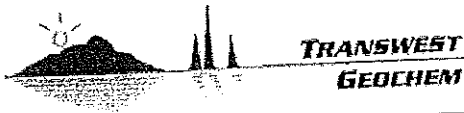
Date: 13-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual	
Sample ID: 0705640-01A-MS		Batch ID: 13815		Test Code: 8015AZ			Date Analyzed: 06/04/07 16:37					
Client ID:					Units: mg/Kg			Date Prepared: 6/3/07				
C10-C22 DRO	472	30	500		94%	70	130					
o-Terphenyl	10.8	N/A	10.0		108%	70	130					
Sample ID: 0705640-01A-MSD		Batch ID: 13815		Test Code: 8015AZ			Date Analyzed: 06/04/07 17:22					
Client ID:					Units: mg/Kg			Date Prepared: 6/3/07				
C10-C22 DRO	484	30	500		97%	70	130	472	3%	20		
o-Terphenyl	11.2	N/A	10.0		112%	70	130					
Sample ID: 0705687-02A-MS		Batch ID: 13805		Test Code: EPA 8310			Date Analyzed: 06/03/07 10:04					
Client ID:					Units: mg/Kg			Date Prepared: 5/31/07				
Acenaphthene	1.817	0.40	2.000		91%	70	130					
Acenaphthylene	3.629	0.40	4.000		91%	48	131					
Anthracene	0.1890	0.040	0.2000		95%	52	121					
Benzo[a]anthracene	0.1870	0.040	0.2000		94%	55	123					
Benzo[a]pyrene	0.1900	0.010	0.2000		95%	53	115					
Benzo[b]fluoranthene	0.3820	0.040	0.4000		96%	70	130					
Benzo[g,h,i]perylene	0.3790	0.040	0.4000		95%	70	130					
Benzo[k]fluoranthene	0.1890	0.040	0.2000		95%	70	130					
Chrysene	0.1950	0.040	0.2000		98%	54	129					
Dibenz[a,h]anthracene	0.3550	0.040	0.4000		89%	70	130					
Fluoranthene	0.3830	0.040	0.4000		96%	47	138					
Fluorene	0.3480	0.040	0.4000		87%	70	130					
Indeno[1,2,3-cd]pyrene	0.1960	0.020	0.2000		98%	70	130					
Naphthalene	1.692	0.10	2.000		85%	51	112					
Phenanthrene	0.1840	0.080	0.2000		92%	45	133					
Pyrene	0.1840	0.040	0.2000		92%	51	123					
2-Chloroanthracene	0.8110	N/A	1.000		81%	51	125					



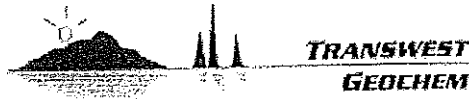
Date: 13-Jun-07

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CLIENT: Environmental & Engineering Consultants, I
 Work Order: 0705670
 Project: TFD UST Assessment

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705687-02A-MSD		Batch ID: 13805		Test Code: EPA 8310			Date Analyzed: 06/03/07 10:35				
Client ID:					Units: mg/Kg			Date Prepared: 5/31/07			
Acenaphthene	1.557	0.40	2.000		78%	70	130	1.817	15%	28	
Acenaphthylene	3.155	0.40	4.000		79%	48	131	3.629	14%	27	
Anthracene	0.1640	0.040	0.2000		82%	52	121	0.189	14%	35	
Benzo[a]anthracene	0.1610	0.040	0.2000		81%	55	123	0.187	15%	26	
Benzo[a]pyrene	0.1630	0.010	0.2000		81%	53	115	0.19	15%	27	
Benzo[b]fluoranthene	0.3220	0.040	0.4000		81%	70	130	0.382	17%	25	
Benzo[g,h,i]perylene	0.3230	0.040	0.4000		81%	70	130	0.379	16%	26	
Benzo[k]fluoranthene	0.1610	0.040	0.2000		81%	70	130	0.189	16%	25	
Chrysene	0.1640	0.040	0.2000		82%	54	129	0.195	17%	25	
Dibenz[a,h]anthracene	0.3040	0.040	0.4000		76%	70	130	0.355	15%	25	
Fluoranthene	0.3040	0.040	0.4000		82%	47	138	0.383	16%	33	
Fluorene	0.3270	0.040	0.4000		76%	70	130	0.348	14%	24	
Indeno[1,2,3-cd]pyrene	0.3030	0.040	0.4000		83%	70	130	0.196	17%	28	
Naphthalene	0.1660	0.020	0.2000		75%	51	112	1.692	12%	32	
Phenanthrene	1.499	0.10	2.000		80%	45	133	0.184	15%	28	
Pyrene	0.1590	0.080	0.2000		78%	51	123	0.184	16%	29	
2-Chloroanthracene	0.1560	0.040	0.2000		81%	51	125				
2-Chloroanthracene	0.8090	N/A	1.000								
Sample ID: 0705690-24A-MS		Batch ID: 13820		Test Code: SW6010B			Date Analyzed: 06/05/07 19:17				
Client ID:					Units: mg/Kg			Date Prepared: 6/4/07			
Lead	47.51	5.0	50.00		95%	75	125				
Sample ID: 0705690-24A-MSD		Batch ID: 13820		Test Code: SW6010B			Date Analyzed: 06/05/07 19:20				
Client ID:					Units: mg/Kg			Date Prepared: 6/4/07			
Lead	47.41	5.0	50.00		95%	75	125	47.51	0%	20	



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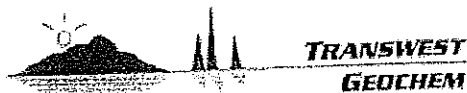
CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705687-01A-MS	Batch ID: GCMS_T_070531A		Test Code: SW8260B			Date Analyzed: 06/04/07 13:57					
Client ID:	Units: mg/Kg					Date Prepared: 5/31/07					
Acetone	1.225	1.2	2.000		61%	39	147				
Benzene	0.8915	0.050	1.000		89%	70	130				
Bromobenzene	0.9250	0.25	1.000		93%	70	130				
Bromochloromethane	0.8100	0.050	1.000		81%	70	130				
Bromodichloromethane	0.8730	0.050	1.000		87%	70	130				
Bromoform	0.9385	0.10	1.000		94%	70	130				
Bromomethane	0.5385	0.50	1.000		54%	46	148				
2-Butanone	1.582	0.50	2.000		79%	49	122				
n-Butylbenzene	0.9470	0.25	1.000		95%	70	130				
sec-Butylbenzene	0.9150	0.25	1.000		92%	70	130				
tert-Butylbenzene	0.9090	0.25	1.000		91%	70	130				
Carbon disulfide	1.421	0.50	2.000		71%	40	124				
Carbon tetrachloride	0.8575	0.050	1.000		86%	70	130				
Chlorobenzene	0.9110	0.050	1.000		91%	70	130				
Dibromochloromethane	0.9160	0.050	1.000		92%	70	130				
Chloroethane	0.6840	0.50	1.000		68%	48	140				
Chloroform	0.8255	0.050	1.000		83%	70	130				
Chloromethane	0.4070	0.40	1.000		41%	23	147				
2-Chlorotoluene	1.026	0.25	1.000		103%	70	130				
4-Chlorotoluene	0.8140	0.25	1.000		81%	70	130				
1,2-Dibromo-3-chloropropane	0.9455	0.50	1.000		95%	66	130				
1,2-Dibromoethane	0.9170	0.50	1.000		92%	70	130				
Dibromomethane	0.8575	0.25	1.000		86%	70	130				
1,2-Dichlorobenzene	0.9655	0.050	1.000		97%	70	130				
1,3-Dichlorobenzene	0.9570	0.050	1.000		96%	70	130				
1,4-Dichlorobenzene	0.9505	0.050	1.000		95%	70	130				
Dichlorodifluoromethane	0.1510	0.15	1.000		15%	8	164				
1,1-Dichloroethane	0.7410	0.050	1.000		74%	55	135				
1,2-Dichloroethane	0.8545	0.050	1.000		85%	70	130				
1,1-Dichloroethene	0.6365	0.10	1.000		64%	50	132				
cis-1,2-Dichloroethene	0.7980	0.050	1.000		80%	63	126				
trans-1,2-Dichloroethene	0.7965	0.050	1.000		80%	58	123				
1,2-Dichloropropane	0.9120	0.050	1.000		91%	70	130				
1,3-Dichloropropane	0.9095	0.25	1.000		91%	70	130				
2,2-Dichloropropane	0.8215	0.25	1.000		82%	55	125				
1,1-Dichloropropene	0.8895	0.25	1.000		89%	70	130				
cis-1,3-Dichloropropene	0.8715	0.050	1.000		87%	70	130				
trans-1,3-Dichloropropene	0.8885	0.050	1.000		89%	70	130				
Ethylbenzene	0.9915	0.10	1.000		99%	70	130				
Hexachlorobutadiene	1.028	0.50	1.000		103%	70	130				
2-Hexanone	1.956	0.50	2.000		98%	70	130				
Iodomethane	1.407	0.50	2.000		70%	42	109				
Isopropylbenzene	0.9285	0.25	1.000		93%	70	130				

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Project: TFD UST Assessment

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	0.9485	0.25	1.000		95%	70	130				
Methylene chloride	0.7570	0.50	1.000		76%	51	134				
4-Methyl-2-pentanone	1.849	0.50	2.000		92%	60	130				
Methyl tert-butyl ether	1.647	0.25	2.000		82%	70	130				
Naphthalene	1.024	0.25	1.000		102%	62	132				
n-Propylbenzene	0.8975	0.25	1.000		90%	64	124				
Styrene	0.9530	0.25	1.000		95%	70	130				
1,1,1,2-Tetrachloroethane	0.9360	0.25	1.000		94%	70	130				
1,1,2,2-Tetrachloroethane	1.008	0.10	1.000		101%	66	126				
Tetrachloroethene	0.8995	0.050	1.000		90%	62	125				
Toluene	0.9490	0.10	1.000		95%	63	124				
1,2,3-Trichlorobenzene	0.9640	0.25	1.000		96%	57	127				
1,2,4-Trichlorobenzene	0.9850	0.25	1.000		99%	70	130				
1,1,1-Trichloroethane	0.8290	0.050	1.000		83%	70	130				
1,1,2-Trichloroethane	0.9410	0.050	1.000		94%	70	130				
Trichloroethene	0.9220	0.050	1.000		92%	70	130				
Trichlorofluoromethane	0.6585	0.50	1.000		66%	42	137				
1,2,3-Trichloropropane	0.9050	0.25	1.000		91%	70	130				
1,2,4-Trimethylbenzene	0.9145	0.25	1.000		91%	70	130				
1,3,5-Trimethylbenzene	0.8930	0.25	1.000		89%	66	127				
Vinyl acetate	0.6600	0.50	2.000		33%	32	133				
Vinyl chloride	0.4765	0.45	1.000		48%	32	150				
Xylenes, Total	2.7335	0.15	3.000		91%	70	130				
4-Bromofluorobenzene	2.379	N/A	2.500		95%	59	131				
1,2-Dichloroethane-d4	2.022	N/A	2.500		81%	63	123				
Dibromofluoromethane	1.965	N/A	2.500		79%	63	123				
Toluene-d8	2.125	N/A	2.500		85%	64	120				



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QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705687-01A-MSD	Batch ID: GCMS_T_070531A		Test Code: SW8260B			Date Analyzed: 06/04/07 14:33					
Client ID:				Units: mg/Kg			Date Prepared: 5/31/07				
Acetone	1.264	1.3	2.000		63%	39	147	1.225	3%	38	
Benzene	0.8400	0.050	1.000		84%	70	130	0.8915	6%	20	
Bromobenzene	0.9380	0.25	1.000		94%	70	130	0.925	1%	20	
Bromochloromethane	0.9210	0.050	1.000		92%	70	130	0.81	13%	24	
Bromodichloromethane	0.8755	0.050	1.000		88%	70	130	0.873	0%	20	
Bromoform	0.9325	0.10	1.000		93%	70	130	0.9385	1%	20	
Bromomethane	0.6425	0.50	1.000		64%	46	148	0.5385	18%	31	
2-Butanone	1.626	0.50	2.000		81%	49	122	1.582	3%	29	
n-Butylbenzene	0.9180	0.25	1.000		92%	70	130	0.947	3%	20	
sec-Butylbenzene	0.9420	0.25	1.000		94%	70	130	0.915	3%	20	
tert-Butylbenzene	0.9255	0.25	1.000		93%	70	130	0.909	2%	20	
Carbon disulfide	1.604	0.50	2.000		80%	40	124	1.421	12%	27	
Carbon tetrachloride	0.8380	0.050	1.000		84%	70	130	0.8575	2%	20	
Chlorobenzene	0.9130	0.050	1.000		91%	70	130	0.911	0%	20	
Dibromochloromethane	0.8975	0.050	1.000		90%	70	130	0.916	2%	20	
Chloroethane	0.7485	0.50	1.000		75%	48	140	0.684	9%	28	
Chloroform	0.8690	0.050	1.000		87%	70	130	0.8255	5%	20	
Chloromethane	0.4005	0.40	1.000		40%	23	147	0.407	2%	28	
2-Chlorotoluene	1.015	0.25	1.000		102%	70	130	1.026	1%	23	
4-Chlorotoluene	0.8365	0.25	1.000		84%	70	130	0.814	3%	23	
1,2-Dibromo-3-chloropropane	0.8365	0.25	1.000		97%	66	130	0.9455	3%	23	
1,2-Dibromoethane	0.9725	0.50	1.000		95%	70	130	0.917	3%	20	
Dibromomethane	0.9485	0.50	1.000		88%	70	130	0.8575	2%	20	
1,2-Dichlorobenzene	0.8780	0.25	1.000		92%	70	130	0.9655	5%	20	
1,3-Dichlorobenzene	0.9190	0.050	1.000		91%	70	130	0.957	5%	20	
1,4-Dichlorobenzene	0.9060	0.050	1.000		91%	70	130	0.9505	4%	20	
Dichlorodifluoromethane	0.9110	0.050	1.000		91%	70	130	0.9505	4%	20	
1,1-Dichloroethane	0.1590	0.15	1.000		16%	8	164	0.151	5%	35	
1,2-Dichloroethane	0.8885	0.050	1.000		89%	55	135	0.741	18%	24	
1,1-Dichloroethene	0.8870	0.050	1.000		89%	70	130	0.8545	4%	20	
cis-1,2-Dichloroethene	0.7380	0.10	1.000		74%	50	132	0.6365	15%	30	
trans-1,2-Dichloroethene	0.8350	0.050	1.000		84%	63	126	0.798	5%	22	
1,2-Dichloropropane	0.7795	0.050	1.000		78%	58	123	0.7965	2%	24	
1,3-Dichloropropane	0.9075	0.050	1.000		91%	70	130	0.912	0%	20	
2,2-Dichloropropane	0.9075	0.050	1.000		91%	70	130	0.912	0%	20	
1,1-Dichloropropene	0.9415	0.25	1.000		94%	70	130	0.9095	3%	20	
cis-1,3-Dichloropropene	0.8180	0.25	1.000		82%	55	125	0.8215	0%	21	
trans-1,3-Dichloropropene	0.8240	0.25	1.000		82%	70	130	0.8895	8%	20	
Ethylbenzene	0.9040	0.050	1.000		90%	70	130	0.8715	4%	20	
Hexachlorobutadiene	0.9220	0.050	1.000		92%	70	130	0.8885	4%	20	
2-Hexanone	0.9980	0.10	1.000		100%	70	130	0.9915	1%	20	
Iodomethane	0.9395	0.50	1.000		94%	70	130	1.028	9%	20	
Isopropylbenzene	1.813	0.50	2.000		91%	70	130	1.956	8%	24	
	1.586	0.50	2.000		79%	42	109	1.407	12%	26	
	0.9400	0.25	1.000		94%	70	130	0.9285	1%	20	



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QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	0.9475	0.25	1.000		95%	70	130	0.9485	0%	20	
Methylene chloride	0.8575	0.50	1.000		86%	51	134	0.757	12%	26	
4-Methyl-2-pentanone	1.768	0.50	2.000		88%	60	130	1.849	4%	25	
Methyl tert-butyl ether	1.739	0.25	2.000		87%	70	130	1.647	5%	20	
Naphthalene	0.9985	0.25	1.000		100%	62	132	1.024	3%	33	
n-Propylbenzene	0.9340	0.25	1.000		93%	64	124	0.8975	4%	21	
Styrene	0.9380	0.25	1.000		94%	70	130	0.953	2%	20	
1,1,1,2-Tetrachloroethane	0.9255	0.25	1.000		93%	70	130	0.936	1%	20	
1,1,2,2-Tetrachloroethane	0.9525	0.10	1.000		95%	66	126	1.008	6%	25	
Tetrachloroethene	0.8985	0.050	1.000		90%	62	125	0.8995	0%	22	
Toluene	0.9515	0.10	1.000		95%	63	124	0.949	0%	22	
1,2,3-Trichlorobenzene	0.9315	0.25	1.000		93%	57	127	0.964	3%	35	
1,2,4-Trichlorobenzene	0.9310	0.25	1.000		93%	70	130	0.985	6%	23	
1,1,1-Trichloroethane	0.8525	0.050	1.000		85%	70	130	0.829	3%	20	
1,1,2-Trichloroethane	0.9495	0.050	1.000		95%	70	130	0.941	1%	20	
Trichloroethene	0.8875	0.050	1.000		89%	70	130	0.922	4%	21	
Trichlorofluoromethane	0.7595	0.50	1.000		76%	42	137	0.6585	14%	29	
1,2,3-Trichloropropane	0.9240	0.25	1.000		92%	70	130	0.905	2%	21	
1,2,4-Trimethylbenzene	0.9205	0.25	1.000		92%	70	130	0.9145	1%	20	
1,3,5-Trimethylbenzene	0.9245	0.25	1.000		92%	66	127	0.893	3%	21	
Vinyl acetate	0.8355	0.50	2.000		42%	32	133	0.66	23%	34	
Vinyl chloride	0.5330	0.50	1.000		53%	32	150	0.4765	11%	32	
Xylenes, Total	2.744	0.15	3.000		91%	70	130	2.734	0%	20	
4-Bromofluorobenzene	2.249	N/A	2.500		90%	59	131				
1,2-Dichloroethane-d4	2.012	N/A	2.500		80%	63	123				
Dibromofluoromethane	2.068	N/A	2.500		83%	63	123				
Toluene-d8	2.049	N/A	2.500		82%	64	120				



**TRANSWEST
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Date: 13-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
 Laboratory Fortified Blank

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LFB-13815	Batch ID: 13815				Test Code: 8015AZ			Date Analyzed: 06/04/07 14:20			
					Units: mg/Kg			Date Prepared: 6/3/07			
C10-C22 DRO	481	30	500		96%	70	130				
o-Terphenyl	10.7	N/A	10.0		107%	70	130				
Sample ID: LFBDD-13815	Batch ID: 13815				Test Code: 8015AZ			Date Analyzed: 06/04/07 15:06			
					Units: mg/Kg			Date Prepared: 6/3/07			
C10-C22 DRO	475	30	500		95%	70	130	481	1%	20	
o-Terphenyl	10.8	N/A	10.0		108%	70	130				
Sample ID: LCS-13805	Batch ID: 13805				Test Code: EPA 8310			Date Analyzed: 06/03/07 09:01			
					Units: mg/Kg			Date Prepared: 5/31/07			
Acenaphthene	1.572	0.40	2.000		79%	70	130				
Acenaphthylene	3.146	0.40	4.000		79%	70	130				
Anthracene	0.1630	0.040	0.2000		81%	70	130				
Benzo[a]anthracene	0.1610	0.040	0.2000		81%	70	130				
Benzo[a]pyrene	0.1610	0.010	0.2000		81%	70	130				
Benzo[b]fluoranthene	0.3290	0.040	0.4000		82%	70	130				
Benzo[g,h,i]perylene	0.3150	0.040	0.4000		79%	70	130				
Benzo[k]fluoranthene	0.1620	0.040	0.2000		81%	70	130				
Chrysene	0.1640	0.040	0.2000		82%	70	130				
Dibenz[a,h]anthracene	0.3070	0.040	0.4000		77%	70	130				
Fluoranthene	0.3320	0.040	0.4000		83%	70	130				
Fluorene	0.3050	0.040	0.4000		76%	70	130				
Indeno[1,2,3-cd]pyrene	0.1690	0.020	0.2000		85%	70	130				
Naphthalene	1.454	0.10	2.000		73%	70	130				
Phenanthrene	0.1600	0.080	0.2000		80%	70	130				
Pyrene	0.1490	0.040	0.2000		75%	70	130				
2-Chloroanthracene	0.7580	N/A	1.000		76%	51	125				



**TRANSWEST
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Date: 13-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD-13805		Batch ID: 13805		Test Code: EPA 8310			Date Analyzed: 06/07/07 18:02				
				Units: mg/Kg			Date Prepared: 5/31/07				
Acenaphthene	1.568	0.40	2.000		78%	70	130	1.572	0%	20	
Acenaphthylene	3.174	0.40	4.000		79%	70	130	3.146	1%	20	
Anthracene	0.1690	0.040	0.2000		85%	70	130	0.163	4%	20	
Benzo[a]anthracene	0.1650	0.040	0.2000		83%	70	130	0.161	2%	20	
Benzo[a]pyrene	0.1650	0.010	0.2000		83%	70	130	0.161	2%	22	
Benzo[b]fluoranthene	0.3270	0.040	0.4000		82%	70	130	0.329	1%	20	
Benzo[g,h,i]perylene	0.3330	0.040	0.4000		83%	70	130	0.315	6%	20	
Benzo[k]fluoranthene	0.1640	0.040	0.2000		82%	70	130	0.162	1%	20	
Chrysene	0.1620	0.040	0.2000		81%	70	130	0.164	1%	20	
Dibenz[a,h]anthracene	0.3090	0.040	0.4000		77%	70	130	0.307	1%	20	
Fluoranthene	0.3280	0.040	0.4000		82%	70	130	0.332	1%	21	
Fluorene	0.3190	0.040	0.4000		80%	70	130	0.305	4%	20	
Indeno[1,2,3-cd]pyrene	0.1710	0.020	0.2000		86%	70	130	0.169	1%	20	
Naphthalene	1.483	0.10	2.000		74%	70	130	1.454	2%	20	
Phenanthrene	0.1650	0.080	0.2000		83%	70	130	0.16	3%	20	
Pyrene	0.1620	0.040	0.2000		81%	70	130	0.149	8%	25	
2-Chloroanthracene	0.7620	N/A	1.000		76%	51	125				
Sample ID: LCS-13820		Batch ID: 13820		Test Code: SW6010B			Date Analyzed: 06/05/07 18:29				
				Units: mg/Kg			Date Prepared: 6/4/07				
Lead	55.70	5.0	50.00		111%	80	120				
Sample ID: LCSD-13820		Batch ID: 13820		Test Code: SW6010B			Date Analyzed: 06/05/07 18:33				
				Units: mg/Kg			Date Prepared: 6/4/07				
Lead	56.21	5.0	50.00		112%	80	120	55.7	1%	20	



**TRANSWEST
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Date: 13-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS 5/31	Batch ID: GCMS_T_070531A		Test Code: SW8260B			Date Analyzed: 05/31/07 11:44		Date Prepared: 5/31/07			
	Units: mg/Kg										
Acetone	2.168	1.5	2.000		108%	45	152				
Benzene	0.8710	0.050	1.000		87%	70	130				
Bromobenzene	0.8445	0.25	1.000		84%	70	130				
Bromochloromethane	0.9630	0.050	1.000		96%	70	130				
Bromodichloromethane	0.9010	0.050	1.000		90%	70	130				
Bromoform	0.8325	0.10	1.000		83%	70	130				
Bromomethane	0.7000	0.50	1.000		70%	51	147				
2-Butanone	1.715	0.50	2.000		86%	47	131				
n-Butylbenzene	0.8595	0.25	1.000		86%	70	130				
sec-Butylbenzene	0.8530	0.25	1.000		85%	70	130				
tert-Butylbenzene	0.8755	0.25	1.000		88%	70	130				
Carbon disulfide	1.532	0.50	2.000		77%	45	127				
Carbon tetrachloride	0.9515	0.050	1.000		95%	70	130				
Chlorobenzene	0.8420	0.050	1.000		84%	70	130				
Dibromochloromethane	0.8730	0.050	1.000		87%	70	130				
Chloroethane	0.6785	0.50	1.000		68%	54	138				
Chloroform	0.9365	0.050	1.000		94%	70	130				
Chloromethane	0.3385	0.30	1.000		34%	28	149				
2-Chlorotoluene	0.8365	0.25	1.000		84%	70	130				
4-Chlorotoluene	0.8470	0.25	1.000		85%	70	130				
1,2-Dibromo-3-chloropropane	0.9095	0.50	1.000		91%	70	130				
1,2-Dibromoethane	0.8770	0.50	1.000		88%	70	130				
Dibromomethane	0.8795	0.25	1.000		88%	70	130				
1,2-Dichlorobenzene	0.8620	0.050	1.000		86%	70	130				
1,3-Dichlorobenzene	0.8480	0.050	1.000		85%	70	130				
1,4-Dichlorobenzene	0.8540	0.050	1.000		85%	70	130				
Dichlorodifluoromethane	0.09100	0.050	1.000		9%	13	153				
1,1-Dichloroethane	0.9165	0.050	1.000		92%	66	130				
1,2-Dichloroethane	0.9430	0.050	1.000		94%	70	130				
1,1-Dichloroethene	0.8740	0.10	1.000		87%	59	130				
cis-1,2-Dichloroethene	0.8915	0.050	1.000		89%	70	130				
trans-1,2-Dichloroethene	0.7620	0.050	1.000		76%	63	123				
1,2-Dichloropropane	0.8695	0.050	1.000		87%	70	130				
1,3-Dichloropropane	0.8285	0.25	1.000		83%	70	130				
2,2-Dichloropropane	1.041	0.25	1.000		104%	60	139				
1,1-Dichloropropene	0.8700	0.25	1.000		87%	70	130				
cis-1,3-Dichloropropene	0.9470	0.050	1.000		95%	70	130				
trans-1,3-Dichloropropene	0.9300	0.050	1.000		93%	70	130				
Ethylbenzene	0.8380	0.10	1.000		84%	70	130				
Hexachlorobutadiene	0.9255	0.50	1.000		93%	70	130				
2-Hexanone	1.728	0.50	2.000		86%	70	130				
Iodomethane	1.591	0.50	2.000		80%	41	124				
Isopropylbenzene	0.8620	0.25	1.000		86%	70	130				

L2



**TRANSWEST
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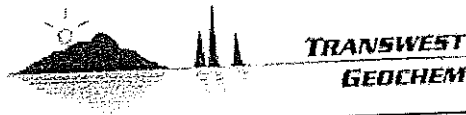
Date: 13-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	0.8930	0.25	1.000		89%	70	130				
Methylene chloride	0.8600	0.50	1.000		86%	54	140				
4-Methyl-2-pentanone	1.706	0.50	2.000		85%	70	130				
Methyl tert-butyl ether	1.792	0.25	2.000		90%	68	139				
Naphthalene	0.8730	0.25	1.000		87%	68	131				
n-Propylbenzene	0.8410	0.25	1.000		84%	70	130				
Styrene	0.8650	0.25	1.000		87%	70	130				
1,1,1,2-Tetrachloroethane	0.9110	0.25	1.000		91%	70	130				
1,1,2,2-Tetrachloroethane	0.8700	0.10	1.000		87%	70	130				
Tetrachloroethane	0.8655	0.050	1.000		87%	70	130				
Toluene	0.8410	0.10	1.000		84%	70	130				
1,2,3-Trichlorobenzene	0.8465	0.25	1.000		85%	64	133				
1,2,4-Trichlorobenzene	0.8705	0.25	1.000		87%	70	130				
1,1,1-Trichloroethane	0.9665	0.050	1.000		97%	70	130				
1,1,2-Trichloroethane	0.8215	0.050	1.000		82%	70	130				
Trichloroethane	0.8895	0.050	1.000		89%	70	130				
Trichlorofluoromethane	0.7280	0.50	1.000		73%	49	135				
1,2,3-Trichloropropane	0.9060	0.25	1.000		91%	70	130				
1,2,4-Trimethylbenzene	0.8740	0.25	1.000		87%	70	130				
1,3,5-Trimethylbenzene	0.8780	0.25	1.000		88%	70	130				
Vinyl acetate	2.366	0.50	2.000		118%	41	142				V1
Vinyl chloride	0.5960	0.50	1.000		60%	37	148				
Xylenes, Total	2.5705	0.15	3.000		86%	70	130				
4-Bromofluorobenzene	2.227	N/A	2.500		89%	59	131				
1,2-Dichloroethane-d4	2.340	N/A	2.500		94%	63	123				
Dibromofluoromethane	2.472	N/A	2.500		99%	63	123				
Toluene-d8	2.246	N/A	2.500		90%	64	120				



Date: 13-Jun-07

License No. AZM133/AZ0133

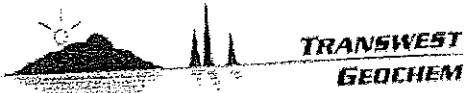
CLIENT: Environmental & Engineering Consultants, I
 Work Order: 0705670
 Project: TFD UST Assessment

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS 5670	Batch ID: GCMS10_070531B		Test Code: SW8260B			Date Analyzed: 06/04/07 09:47		Date Prepared: 5/24/07			
	Units: mg/Kg										
Acetone	1.835	1.5	2.000		92%	45	152				
Benzene	0.9185	0.050	1.000		92%	70	130				
Bromobenzene	1.004	0.25	1.000		100%	70	130				
Bromochloromethane	0.9885	0.050	1.000		99%	70	130				
Bromodichloromethane	0.9645	0.050	1.000		96%	70	130				
Bromoform	1.002	0.10	1.000		100%	70	130				
Bromomethane	0.6520	0.50	1.000		65%	51	147				
2-Butanone	2.087	0.50	2.000		104%	47	131				
n-Butylbenzene	0.9800	0.25	1.000		98%	70	130				
sec-Butylbenzene	0.9885	0.25	1.000		99%	70	130				
tert-Butylbenzene	0.9915	0.25	1.000		99%	70	130				
Carbon disulfide	1.473	0.50	2.000		74%	45	127				
Carbon tetrachloride	0.8920	0.050	1.000		89%	70	130				
Chlorobenzene	0.9890	0.050	1.000		99%	70	130				
Dibromochloromethane	1.000	0.050	1.000		100%	70	130				
Chloroethane	0.7790	0.50	1.000		78%	54	138				
Chloroform	0.9450	0.050	1.000		95%	70	130				
Chloromethane	0.3865	0.35	1.000		39%	28	149				
2-Chlorotoluene	1.077	0.25	1.000		108%	70	130				
4-Chlorotoluene	0.9215	0.25	1.000		92%	70	130				
1,2-Dibromo-3-chloropropane	1.000	0.50	1.000		100%	70	130				
1,2-Dibromoethane	1.013	0.50	1.000		101%	70	130				
Dibromomethane	0.9695	0.25	1.000		97%	70	130				
1,2-Dichlorobenzene	0.9765	0.050	1.000		98%	70	130				
1,3-Dichlorobenzene	0.9710	0.050	1.000		97%	70	130				
1,4-Dichlorobenzene	0.9770	0.050	1.000		98%	70	130				
Dichlorodifluoromethane	0.1340	0.10	1.000		13%	13	153				
1,1-Dichloroethane	0.8795	0.050	1.000		88%	66	130				
1,2-Dichloroethane	0.9835	0.050	1.000		98%	70	130				
1,1-Dichloroethene	0.7240	0.10	1.000		72%	59	130				
cis-1,2-Dichloroethene	0.9240	0.050	1.000		92%	70	130				
trans-1,2-Dichloroethene	0.8375	0.050	1.000		84%	63	123				
1,2-Dichloropropane	1.003	0.050	1.000		100%	70	130				
1,3-Dichloropropane	0.9990	0.25	1.000		100%	70	130				
2,2-Dichloropropane	0.8905	0.25	1.000		89%	60	139				
1,1-Dichloropropene	0.9205	0.25	1.000		92%	70	130				
cis-1,3-Dichloropropene	1.023	0.050	1.000		102%	70	130				
trans-1,3-Dichloropropene	0.9980	0.050	1.000		100%	70	130				
Ethylbenzene	1.080	0.10	1.000		108%	70	130				
Hexachlorobutadiene	1.051	0.50	1.000		105%	70	130				
2-Hexanone	2.167	0.50	2.000		108%	70	130				
Iodomethane	1.576	0.50	2.000		79%	41	124				
Isopropylbenzene	0.9975	0.25	1.000		100%	70	130				

Date: 13-Jun-07

License No. AZM133/AZ0133



CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	1.016	0.25	1.000		102%	70	130				
Methylene chloride	0.9260	0.50	1.000		93%	54	140				
4-Methyl-2-pentanone	2.075	0.50	2.000		104%	70	130				
Methyl tert-butyl ether	1.898	0.25	2.000		95%	68	139				
Naphthalene	0.9865	0.25	1.000		99%	68	131				
n-Propylbenzene	1.004	0.25	1.000		100%	70	130				
Styrene	1.012	0.25	1.000		101%	70	130				
1,1,1,2-Tetrachloroethane	1.006	0.25	1.000		101%	70	130				
1,1,2,2-Tetrachloroethane	0.9860	0.10	1.000		99%	70	130				
Tetrachloroethene	0.9685	0.050	1.000		97%	70	130				
Toluene	1.010	0.10	1.000		101%	70	130				
1,2,3-Trichlorobenzene	0.9235	0.25	1.000		92%	64	133				
1,2,4-Trichlorobenzene	0.9385	0.25	1.000		94%	70	130				
1,1,1-Trichloroethane	0.9225	0.050	1.000		92%	70	130				
1,1,2-Trichloroethane	1.025	0.050	1.000		103%	70	130				
Trichloroethene	0.9850	0.050	1.000		99%	70	130				
Trichlorofluoromethane	0.7815	0.50	1.000		78%	49	135				
1,2,3-Trichloropropane	1.007	0.25	1.000		101%	70	130				
1,2,4-Trimethylbenzene	0.9985	0.25	1.000		100%	70	130				
1,3,5-Trimethylbenzene	1.011	0.25	1.000		101%	70	130				
Vinyl acetate	2.134	0.50	2.000		107%	41	142				
Vinyl chloride	0.5260	0.50	1.000		53%	37	148				
Xylenes, Total	2.9315	0.15	3.000		98%	70	130				
4-Bromofluorobenzene	2.426	N/A	2.500		97%	59	131				
1,2-Dichloroethane-d4	2.330	N/A	2.500		93%	63	123				
Dibromofluoromethane	2.314	N/A	2.500		93%	63	123				
Toluene-d8	2.344	N/A	2.500		94%	64	120				



**TRANSWEST
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Date: 13-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD 5/31	Batch ID: GCMS_T_070531A		Test Code: SW8260B			Date Analyzed: 05/31/07 12:27		Date Prepared: 5/31/07			
	Units: mg/Kg										
Acetone	2.055	1.5	2.000		103%	45	152	2.168	5%	34	
Benzene	0.8765	0.050	1.000		88%	70	130	0.871	1%	20	
Bromobenzene	0.8520	0.25	1.000		85%	70	130	0.8445	1%	20	
Bromochloromethane	0.9550	0.050	1.000		96%	70	130	0.963	1%	23	
Bromodichloromethane	0.9050	0.050	1.000		91%	70	130	0.901	0%	20	
Bromoform	0.8445	0.10	1.000		84%	70	130	0.8325	1%	20	
Bromomethane	0.7605	0.50	1.000		76%	51	147	0.7	8%	30	
2-Butanone	1.645	0.50	2.000		82%	47	131	1.715	4%	31	
n-Butylbenzene	0.8715	0.25	1.000		87%	70	130	0.8595	1%	20	
sec-Butylbenzene	0.8620	0.25	1.000		86%	70	130	0.853	1%	20	
tert-Butylbenzene	0.8760	0.25	1.000		88%	70	130	0.8755	0%	20	
Carbon disulfide	1.516	0.50	2.000		76%	45	127	1.532	1%	25	
Carbon tetrachloride	0.9505	0.050	1.000		95%	70	130	0.9515	0%	20	
Chlorobenzene	0.8575	0.050	1.000		86%	70	130	0.842	2%	20	
Dibromochloromethane	0.8660	0.050	1.000		87%	70	130	0.873	1%	20	
Chloroethane	0.7150	0.50	1.000		72%	54	138	0.6785	5%	28	
Chloroform	0.9235	0.050	1.000		92%	70	130	0.9365	1%	20	
Chloromethane	0.3445	0.30	1.000		34%	28	149	0.3385	2%	30	
2-Chlorotoluene	0.8395	0.25	1.000		84%	70	130	0.8365	0%	21	
4-Chlorotoluene	0.8500	0.25	1.000		85%	70	130	0.847	0%	20	
1,2-Dibromo-3-chloropropane	0.9170	0.50	1.000		92%	70	130	0.9095	1%	20	
1,2-Dibromoethane	0.8540	0.50	1.000		85%	70	130	0.877	3%	20	
Dibromomethane	0.8890	0.25	1.000		89%	70	130	0.8795	1%	20	
1,2-Dichlorobenzene	0.8670	0.050	1.000		87%	70	130	0.862	1%	20	
1,3-Dichlorobenzene	0.8515	0.050	1.000		85%	70	130	0.848	0%	20	
1,4-Dichlorobenzene	0.8570	0.050	1.000		86%	70	130	0.854	0%	20	
Dichlorodifluoromethane	0.09900	0.050	1.000		10%	13	153	0.091	8%	27	L2
1,1-Dichloroethane	0.9050	0.050	1.000		91%	66	130	0.9165	1%	20	
1,2-Dichloroethane	0.9675	0.050	1.000		97%	70	130	0.943	3%	20	
1,1-Dichloroethene	0.8700	0.10	1.000		87%	59	130	0.874	0%	25	
cis-1,2-Dichloroethene	0.8730	0.050	1.000		87%	70	130	0.8915	2%	20	
trans-1,2-Dichloroethene	0.7560	0.050	1.000		76%	63	123	0.762	1%	20	
1,2-Dichloropropane	0.8770	0.050	1.000		88%	70	130	0.8695	1%	20	
1,3-Dichloropropane	0.8390	0.25	1.000		84%	70	130	0.8285	1%	20	
2,2-Dichloropropane	0.9900	0.25	1.000		99%	60	139	1.041	5%	20	
1,1-Dichloropropene	0.8865	0.25	1.000		89%	70	130	0.87	2%	20	
cis-1,3-Dichloropropene	0.9635	0.050	1.000		96%	70	130	0.947	2%	20	
trans-1,3-Dichloropropene	0.8945	0.050	1.000		89%	70	130	0.93	4%	20	
Ethylbenzene	0.8455	0.10	1.000		85%	70	130	0.838	1%	20	
Hexachlorobutadiene	0.8995	0.50	1.000		90%	70	130	0.9255	3%	20	
2-Hexanone	1.688	0.50	2.000		84%	70	130	1.728	2%	21	
Iodomethane	1.557	0.50	2.000		78%	41	124	1.591	2%	26	
Isopropylbenzene	0.8680	0.25	1.000		87%	70	130	0.862	1%	20	



**TRANSWEST
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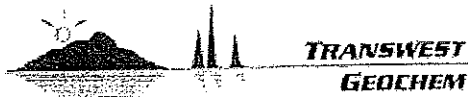
Date: 13-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
 Work Order: 0705670
 Project: TFD UST Assessment

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	0.8925	0.25	1.000		89%	70	130	0.893	0%	20	
Methylene chloride	0.8515	0.50	1.000		85%	54	140	0.86	1%	26	
4-Methyl-2-pentanone	1.845	0.50	2.000		92%	70	130	1.706	8%	23	
Methyl tert-butyl ether	1.738	0.25	2.000		87%	68	139	1.792	3%	20	
Naphthalene	0.8900	0.25	1.000		89%	68	131	0.873	2%	22	
n-Propylbenzene	0.8390	0.25	1.000		84%	70	130	0.841	0%	20	
Styrene	0.8680	0.25	1.000		87%	70	130	0.865	0%	20	
1,1,1,2-Tetrachloroethane	0.9020	0.25	1.000		90%	70	130	0.911	1%	20	
1,1,2,2-Tetrachloroethane	0.9075	0.10	1.000		91%	70	130	0.87	4%	20	
Tetrachloroethene	0.8780	0.050	1.000		88%	70	130	0.8655	1%	20	
Toluene	0.8460	0.10	1.000		85%	70	130	0.841	1%	20	
1,2,3-Trichlorobenzene	0.8655	0.25	1.000		87%	64	133	0.8465	2%	24	
1,2,4-Trichlorobenzene	0.9010	0.25	1.000		90%	70	130	0.8705	3%	20	
1,1,1-Trichloroethane	0.9450	0.050	1.000		95%	70	130	0.9665	2%	20	
1,1,2-Trichloroethane	0.8375	0.050	1.000		84%	70	130	0.8215	2%	20	
Trichloroethene	0.9220	0.050	1.000		92%	70	130	0.8895	4%	20	
Trichlorofluoromethane	0.7395	0.50	1.000		74%	49	135	0.728	2%	28	
1,2,3-Trichloropropane	0.9290	0.25	1.000		93%	70	130	0.906	3%	20	
1,2,4-Trimethylbenzene	0.8790	0.25	1.000		88%	70	130	0.874	1%	20	
1,3,5-Trimethylbenzene	0.8865	0.25	1.000		89%	70	130	0.878	1%	20	
Vinyl acetate	2.278	0.50	2.000		114%	41	142	2.366	4%	27	V1
Vinyl chloride	0.5980	0.50	1.000		60%	37	148	0.596	0%	30	
Xylenes, Total	2.5865	0.15	3.000		86%	70	130	2.571	1%	20	
4-Bromofluorobenzene	2.235	N/A	2.500		89%	59	131				
1,2-Dichloroethane-d4	2.400	N/A	2.500		96%	63	123				
Dibromofluoromethane	2.409	N/A	2.500		96%	63	123				
Toluene-d8	2.324	N/A	2.500		93%	64	120				

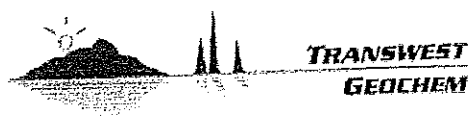


Date: 13-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0705670
Project: TFD UST Assessment

QC SUMMARY REPORT
Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD 5670	Batch ID: GCMS10_070531B		Test Code: SW8260B			Date Analyzed: 06/04/07 10:23					
				Units: mg/Kg			Date Prepared: 5/24/07				
Acetone	1.909	1.5	2.000		95%	45	152	1.835	4%	34	
Benzene	0.9145	0.050	1.000		91%	70	130	0.9185	0%	20	
Bromobenzene	1.006	0.25	1.000		101%	70	130	1.004	0%	20	
Bromochloromethane	0.9620	0.050	1.000		96%	70	130	0.9885	3%	23	
Bromodichloromethane	0.9860	0.050	1.000		99%	70	130	0.9645	2%	20	
Bromoform	1.109	0.10	1.000		111%	70	130	1.002	10%	20	
Bromomethane	0.6110	0.50	1.000		61%	51	147	0.652	6%	30	
2-Butanone	2.220	0.50	2.000		111%	47	131	2.087	6%	31	
n-Butylbenzene	0.9770	0.25	1.000		98%	70	130	0.98	0%	20	
sec-Butylbenzene	0.9810	0.25	1.000		98%	70	130	0.9885	1%	20	
tert-Butylbenzene	0.9850	0.25	1.000		99%	70	130	0.9915	1%	20	
Carbon disulfide	1.358	0.50	2.000		68%	45	127	1.473	8%	25	
Carbon tetrachloride	0.8855	0.050	1.000		89%	70	130	0.892	1%	20	
Chlorobenzene	1.003	0.050	1.000		100%	70	130	0.989	1%	20	
Dibromochloromethane	1.022	0.050	1.000		102%	70	130	1	2%	20	
Chloroethane	0.7275	0.50	1.000		73%	54	138	0.779	7%	28	
Chloroform	0.9080	0.050	1.000		91%	70	130	0.945	4%	20	
Chloromethane	0.3925	0.35	1.000		39%	28	149	0.3865	2%	30	
2-Chlorotoluene	1.001	0.25	1.000		100%	70	130	1.077	7%	21	
4-Chlorotoluene	0.9905	0.25	1.000		99%	70	130	0.9215	7%	20	
1,2-Dibromo-3-chloropropane	1.120	0.50	1.000		112%	70	130	1	11%	20	
1,2-Dibromoethane	1.088	0.50	1.000		109%	70	130	1.013	7%	20	
Dibromomethane	1.006	0.25	1.000		101%	70	130	0.9695	4%	20	
1,2-Dichlorobenzene	1.031	0.050	1.000		103%	70	130	0.9765	5%	20	
1,3-Dichlorobenzene	1.010	0.050	1.000		101%	70	130	0.971	4%	20	
1,4-Dichlorobenzene	1.010	0.050	1.000		101%	70	130	0.977	3%	20	
Dichlorodifluoromethane	0.1180	0.10	1.000		12%	13	153	0.134	13%	27	L2
1,1-Dichloroethane	0.8380	0.050	1.000		84%	66	130	0.8795	5%	20	
1,2-Dichloroethane	0.9635	0.050	1.000		96%	70	130	0.9835	2%	20	
1,1-Dichloroethene	0.6670	0.10	1.000		67%	59	130	0.724	8%	25	
cis-1,2-Dichloroethene	0.8520	0.050	1.000		85%	70	130	0.924	8%	20	
trans-1,2-Dichloroethene	0.8100	0.050	1.000		81%	63	123	0.8375	3%	20	
1,2-Dichloropropane	0.9740	0.050	1.000		97%	70	130	1.003	3%	20	
1,3-Dichloropropane	1.028	0.25	1.000		103%	70	130	0.999	3%	20	
2,2-Dichloropropane	0.8685	0.25	1.000		87%	60	139	0.8905	3%	20	
1,1-Dichloropropene	0.8900	0.25	1.000		89%	70	130	0.9205	3%	20	
cis-1,3-Dichloropropene	1.027	0.050	1.000		103%	70	130	1.023	0%	20	
trans-1,3-Dichloropropene	1.021	0.050	1.000		102%	70	130	0.998	2%	20	
Ethylbenzene	1.064	0.10	1.000		106%	70	130	1.08	1%	20	
Hexachlorobutadiene	1.032	0.50	1.000		103%	70	130	1.051	2%	20	
2-Hexanone	2.461	0.50	2.000		123%	70	130	2.167	13%	21	
Iodomethane	1.468	0.50	2.000		73%	41	124	1.576	7%	26	
Isopropylbenzene	1.008	0.25	1.000		101%	70	130	0.9975	1%	20	

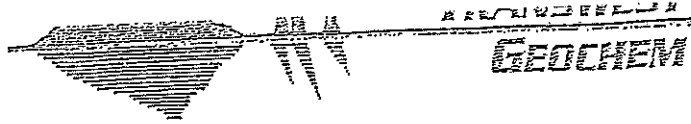


Date: 13-Jun-07
 License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
 Work Order: 0705670
 Project: TFD UST Assessment

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	1.001	0.25	1.000		100%	70	130	1.016	1%	20	
Methylene chloride	0.8625	0.50	1.000		86%	54	140	0.926	7%	26	
4-Methyl-2-pentanone	2.289	0.50	2.000		114%	70	130	2.075	10%	23	
Methyl tert-butyl ether	1.881	0.25	2.000		94%	68	139	1.898	1%	20	
Naphthalene	1.099	0.25	1.000		110%	68	131	0.9865	11%	22	
n-Propylbenzene	0.9740	0.25	1.000		97%	70	130	1.004	3%	20	
Styrene	1.038	0.25	1.000		104%	70	130	1.012	3%	20	
1,1,1,2-Tetrachloroethane	1.036	0.25	1.000		104%	70	130	1.006	3%	20	
1,1,2,2-Tetrachloroethane	1.112	0.10	1.000		111%	70	130	0.986	12%	20	
Tetrachloroethene	0.9335	0.050	1.000		93%	70	130	0.9685	4%	20	
Toluene	0.9985	0.10	1.000		100%	70	130	1.01	1%	20	
1,2,3-Trichlorobenzene	1.012	0.25	1.000		101%	64	133	0.9235	9%	24	
1,2,4-Trichlorobenzene	1.014	0.25	1.000		101%	70	130	0.9385	8%	20	
1,1,1-Trichloroethane	0.8875	0.050	1.000		89%	70	130	0.9225	4%	20	
1,1,2-Trichloroethane	1.040	0.050	1.000		104%	70	130	1.025	1%	20	
Trichloroethene	0.9465	0.050	1.000		95%	70	130	0.985	4%	20	
Trichlorofluoromethane	0.7200	0.50	1.000		72%	49	135	0.7815	8%	28	
1,2,3-Trichloropropane	1.063	0.25	1.000		106%	70	130	1.007	5%	20	
1,2,4-Trimethylbenzene	0.9940	0.25	1.000		99%	70	130	0.9985	0%	20	
1,3,5-Trimethylbenzene	0.9805	0.25	1.000		98%	70	130	1.011	3%	20	
Vinyl acetate	1.669	0.50	2.000		83%	41	142	2.134	24%	27	
Vinyl chloride	0.4445	0.40	1.000		44%	37	148	0.526	17%	30	
Xylenes, Total	2.9425	0.15	3.000		98%	70	130	2.931	0%	20	
4-Bromofluorobenzene	2.545	N/A	2.500		102%	59	131				
1,2-Dichloroethane-d4	2.325	N/A	2.500		93%	63	123				
Dibromofluoromethane	2.235	N/A	2.500		89%	63	123				
Toluene-d8	2.318	N/A	2.500		93%	64	120				



Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 5/29/07 15:20

Work Order Number: 0705670

Received by: Kern Collins

Checklist completed by: Kern Collins 5/29/07
Signature / Date

Logged In by: _____
Initials / Date

Matrix: Soil Carrier Name: client

Reviewed by: _____
Initials / Date

COMMENTS

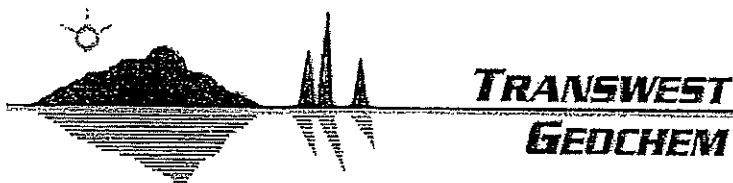
- Shipping containers/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No N/A
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No Temp: 2.0°C
- Water - VOA vials have zero headspace? Yes No N/A
- Water - pH acceptable upon receipt? Yes No N/A
- Water - Sulfides present in Cyanide samples? Yes No N/A

Adjusted? _____ Checked by: _____

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



Storage Location: S. 28
~~40-20~~ 5-30-07
 MeOH
 brass

Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 5-30-07 1450

Work Order Number: 0705670

Checked by: [Signature]

Checklist completed by: [Signature]
Signature / Date

Logged In by: [Signature] 5-30-07
Initials / Date

Matrix: S.S. Carrier Name: Client TGI
Express FT

Reviewed by: [Signature] 6-1-07
Initials / Date

COMMENTS

- | | | | | |
|---|---|-----------------------------|---|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> | |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> | |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Temp: <u>2.4</u> | Sampled < 2hrs <input type="checkbox"/> |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | Checked by: _____ |
| Water - Sulfides present in Cyanide samples? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Samples considered Drinking Water for metal analysis? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



3725 E. Atlanta Ave.
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

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3860 S. Palo Verde Rd., Ste. 301
Tucson, Arizona 85714
Phone: (520) 573-1061
Fax: (520) 573-1063

Chain of Custody

TGI Work Order No: 0705670
Date 5/29/07 Page 1 of 1

Project Manager:	<u>Keri Rine</u>
Client Name:	<u>EEC</u>
Address:	<u>4624 E. Fr. Lynch</u>
City/State/Zip:	<u>Tucson AZ 85712</u>
Phone:	<u>520-721-4624</u>
Fax:	<u>520-721-0773</u>

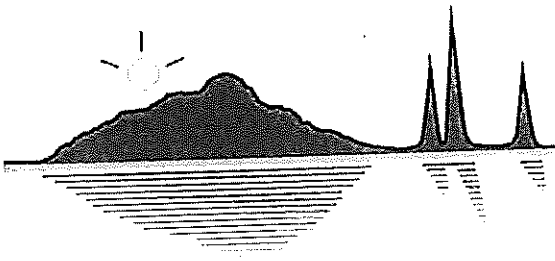
Bill To:	<u>City of Tucson, Facility Services</u>
Company:	
Address:	
City/State/Zip:	
Phone:	
Fax:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers		TPH, (8015AZR.1)	BTEX (8021B)	Volatile Organics GCMS (624/8260B)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA (8310)	8 RCRA Metals	Total Lead	Comments
					9	1											
DIE 35'	Soil	5/25/07	1032	01	4	1	✓	✓									MS/MSD Included
DIE 45'		5/25/07	1100	02	3	1	✓	✓									U.S.T. sample
HQST W-20		5/24/07	1205	03	1	1	✓	✓									needed up for
HQ UST W-40		↓	1205	04	1	1	✓	✓									explantion
HQ UST W-55	↓	↓	1400	05	1	1	✓	✓									Random per K. Parce
																	6-1-07 JHD

Relinquished by (Signature)	Received by (Signature)	(Print Name)	Date/Time
<i>Keri Rine</i>	<i>Keri Collins</i>	Keri Collins	5/29/07 15:20
<i>Keri Collins</i>	<i>Express IT</i>	Express IT	5/30/07 1100
<i>Express IT</i>	<i>Madey M. Schmidt</i>	Madey M. Schmidt	5-30-07 1450

White copy to TGI, Yellow copy for final report, Pink copy to sampler



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GEOCHEM

June 21, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE: TFD UST
Work Order No.: 0706076

Dear Kevin,

Transwest Geochem, Inc. received 4 samples on 6/5/2007 4:55:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 21-Jun-07

Client: Environmental & Engineering Consultants,
Work Order: 0706076
Project Name: TFD UST
Project Number:

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.



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CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0706076
Date Received: 05-Jun-07

**Case Narrative
Data Qualifiers**

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.



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CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0706076

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
HQ-UST-525A-10'	0706076-01A	EPA353.2 NC	6/05/07 08:38 AM	6/05/07 04:55 PM
		N/A	6/05/07 08:38 AM	6/05/07 04:55 PM
		SM4500-NO2 B NC	6/05/07 08:38 AM	6/05/07 04:55 PM
		SW6010B	6/05/07 08:38 AM	6/05/07 04:55 PM
HQ-UST-525A-20'	0706076-02A	8015AZ	6/05/07 08:55 AM	6/05/07 04:55 PM
		EPA353.2 NC	6/05/07 08:55 AM	6/05/07 04:55 PM
		N/A	6/05/07 08:55 AM	6/05/07 04:55 PM
		SM4500-NO2 B NC	6/05/07 08:55 AM	6/05/07 04:55 PM
		SW6010B	6/05/07 08:55 AM	6/05/07 04:55 PM
HQ-UST-525A-40'	0706076-03A	SW8021B	6/05/07 08:55 AM	6/05/07 04:55 PM
		8015AZ	6/05/07 09:48 AM	6/05/07 04:55 PM
		EPA353.2 NC	6/05/07 09:48 AM	6/05/07 04:55 PM
		N/A	6/05/07 09:48 AM	6/05/07 04:55 PM
		SM4500-NO2 B NC	6/05/07 09:48 AM	6/05/07 04:55 PM
HQ-UST-525A-60'	0706076-04A	SW6010B	6/05/07 09:48 AM	6/05/07 04:55 PM
		SW8021B	6/05/07 09:48 AM	6/05/07 04:55 PM
		8015AZ	6/05/07 12:46 PM	6/05/07 04:55 PM
		EPA353.2 NC	6/05/07 12:46 PM	6/05/07 04:55 PM
		N/A	6/05/07 12:46 PM	6/05/07 04:55 PM
		SM4500-NO2 B NC	6/05/07 12:46 PM	6/05/07 04:55 PM
		SW6010B	6/05/07 12:46 PM	6/05/07 04:55 PM
		SW8021B	6/05/07 12:46 PM	6/05/07 04:55 PM



CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0706076
Date Received: 05-Jun-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



CLIENT: Environmental & Engineering Consultants, I
Project Name: TFD UST
Project Number:
Work Order: 0706076
Date Received: 05-Jun-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM Method D4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

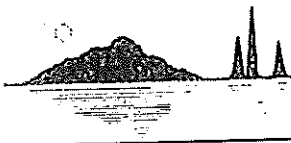
The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



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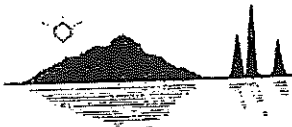
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0706076
Lab ID: 0706076-01
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-525A-10'
Collection Date: 6/5/2007 8:38:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	6/11/07	6/18/07	TL	NO3_S-6/18/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2S6/13
Sodium	200	100		mg/Kg	1.0	SW6010B	6/8/07	6/10/07 18:07	BJK	13867



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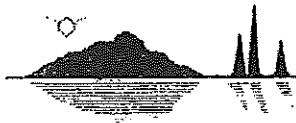
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0706076
Lab ID: 0706076-02
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-525A-20'
Collection Date: 6/5/2007 8:55:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	6/11/07	6/18/07	TL	NO3_S-6/18/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2SS/13
Sodium	250	100		mg/Kg	1.0	SW6010B	6/8/07	6/10/07 16:11	BJK	13857
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
o-Terphenyl(Surrogate)	109	70-130		%REC	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Bromofluorobenzene(Surrogate)	104	61-135		%REC	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606



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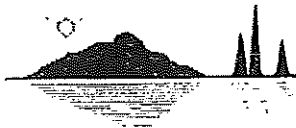
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0706076
Lab ID: 0706076-03
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-525A-40'
Collection Date: 6/5/2007 9:48:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	6/11/07	6/18/07	TL	NO3_S-6/18/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2S6/13
Sodium	760	100		mg/Kg	1.0	SW6010B	6/8/07	6/10/07 18:14	BJK	13887
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
o-Terphenyl(Surrogate)	110	70-130		%REC	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Bromofluorobenzene(Surrogate)	97	61-135		%REC	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606



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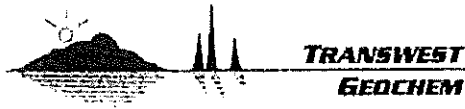
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0706076
Lab ID: 0706076-04
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-525A-60'
Collection Date: 6/5/2007 12:46:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	6/11/07	6/18/07	TL	NO3_S-6/18/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2S6/13
Sodium	530	100		mg/Kg	1.0	SW6010B	6/8/07	6/10/07 18:18	BJK	13867
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
o-Terphenyl(Surrogate)	107	70-130		%REC	1.0	8015AZ	6/6/07	6/8/07	BK	3GC7070606
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Bromofluorobenzene(Surrogate)	109	61-135		%REC	1.0	SW8021B	6/6/07	6/6/07	BK	3GC6070606



Date: 20-Jun-07

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CLIENT: Environmental & Engineering Consultants,
 Work Order: 0706076
 Project: TFD UST

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1	EPA353.2 NC	6/11/07	6/18/07	TL	NO3_S-6/18/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1	SM4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2S6/13
Sodium	<100	100		mg/Kg	1	SW6010B	6/8/07	6/10/07 16:51	BJK	13867
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	6/6/07	6/8/07	BK	3GC7070606
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	6/6/07	6/8/07	BK	3GC7070606
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	6/6/07	6/8/07	BK	3GC7070606
o-Terphenyl	111	70-130		%REC	1	8015AZ	6/6/07	6/8/07	BK	3GC7070606
Benzene	<0.050	0.050		mg/Kg	1.0000	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Ethylbenzene	<0.10	0.10		mg/Kg	1.0000	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Toluene	<0.10	0.10		mg/Kg	1.0000	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Xylenes, total	<0.15	0.15		mg/Kg	1.0000	SW8021B	6/6/07	6/6/07	BK	3GC6070606
Bromofluorobenzene	104	61-135		%REC	1.0000	SW8021B	6/6/07	6/6/07	BK	3GC6070606



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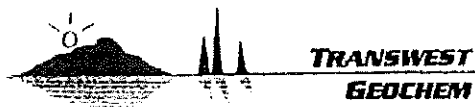
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0706076
Project: TFD UST

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0706076-04A-MS Client ID: HQ-UST-525A-60'	Batch ID: NO3_S-6/18/2007				Test Code: EPA353.2 NC Units: mg/Kg			Date Analyzed: 06/18/07 00:00 Date Prepared: 6/11/07			
Nitrate-Nitrite (As N), Water Soluble	52.90	5.0	50.00		106%	80	120				
Sample ID: 0706076-04A-MSD Client ID: HQ-UST-525A-60'	Batch ID: NO3_S-6/18/2007				Test Code: EPA353.2 NC Units: mg/Kg			Date Analyzed: 06/18/07 00:00 Date Prepared: 6/11/07			
Nitrate-Nitrite (As N), Water Soluble	51.30	5.0	50.00		103%	80	120	52.9	3%	20	
Sample ID: 0706076-01A-MS Client ID: HQ-UST-525A-10'	Batch ID: NO2S6/13				Test Code: SM4500-NO2 B NC Units: mg/Kg			Date Analyzed: 06/13/07 09:50 Date Prepared: 6/11/07			
Water Soluble Nitrite (As N)	1.122	0.20	1.000		112%	80	120				
Sample ID: 0706076-01A-MSD Client ID: HQ-UST-525A-10'	Batch ID: NO2S6/13				Test Code: SM4500-NO2 B NC Units: mg/Kg			Date Analyzed: 06/13/07 09:50 Date Prepared: 6/11/07			
Water Soluble Nitrite (As N)	1.109	0.20	1.000		111%	80	120	1.122	1%	20	
Sample ID: 0706076-04A-MS Client ID: HQ-UST-525A-60'	Batch ID: 13867				Test Code: SW6010B Units: mg/Kg			Date Analyzed: 06/10/07 18:22 Date Prepared: 6/8/07			
Sodium	2209	100	1300	527.8	129%	75	125				M1
Sample ID: 0706076-04A-MSD Client ID: HQ-UST-525A-60'	Batch ID: 13867				Test Code: SW6010B Units: mg/Kg			Date Analyzed: 06/10/07 18:25 Date Prepared: 6/8/07			
Sodium	2129	100	1300	527.8	123%	75	125	2209	4%	20	
Sample ID: 0706005-03AS Client ID:	Batch ID: 3GC7070606				Test Code: 8015AZ Units: mg/Kg			Date Analyzed: 06/08/07 00:00 Date Prepared: 6/6/07			
C10-C22 DRO o-Terphenyl	490 10.6	30 N/A	500 10.0		98% 106%	61 70	121 130				
Sample ID: 0706005-03ASD Client ID:	Batch ID: 3GC7070606				Test Code: 8015AZ Units: mg/Kg			Date Analyzed: 06/08/07 00:00 Date Prepared: 6/6/07			
C10-C22 DRO o-Terphenyl	470 10.2	30 N/A	500 10.0		94% 102%	61 70	121 130	490	4%	20	
Sample ID: 0706005-03AS Client ID:	Batch ID: 3GC6070606				Test Code: SW8021B Units: mg/Kg			Date Analyzed: 06/06/07 00:00 Date Prepared: 6/6/07			
Benzene	0.4600	0.050	0.5000		92%	63	124				
Ethylbenzene	0.5000	0.10	0.5000		100%	70	130				
Toluene	0.5000	0.10	0.5000		100%	66	127				
Xylenes, total	1.4671	0.15	1.500		98%	65	130				
Bromofluorobenzene	0.9400	N/A	1.000		94%	61	135				



Date: 20-Jun-07
 License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0706076
 Project: TFD UST

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0706005-03ASD	Batch ID: 3GC6070606		Test Code: SW8021B			Date Analyzed: 06/06/07 00:00					
Client ID:					Units: mg/Kg		Date Prepared: 6/6/07				
Benzene	0.4700	0.050	0.5000		94%	63	124	0.46	2%	20	
Ethylbenzene	0.5100	0.10	0.5000		102%	70	130	0.5	2%	22	
Toluene	0.5200	0.10	0.5000		104%	66	127	0.5	4%	20	
Xylenes, total	1.5145	0.15	1.500		101%	65	130	1.467	3%	20	
Bromofluorobenzene	1.040	N/A	1.000		104%	61	135				



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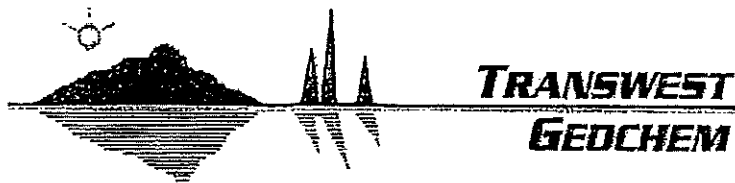
Date: 20-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706076
Project: TFD UST

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS	Batch ID: NO3_S-6/18/2007		Test Code: EPA353.2 NC		Date Analyzed: 06/18/07 00:00		Units: mg/Kg		Date Prepared: 6/11/07		
Nitrate-Nitrite (As N), Water Soluble	46.30	5.0	50.00		93%	80	120				
Sample ID: LCSD	Batch ID: NO3_S-6/18/2007		Test Code: EPA353.2 NC		Date Analyzed: 06/18/07 00:00		Units: mg/Kg		Date Prepared: 6/11/07		
Nitrate-Nitrite (As N), Water Soluble	52.40	5.0	50.00		105%	80	120	46.3	12%	20	
Sample ID: LCS	Batch ID: NO2S6/13		Test Code: SM4500-NO2 B NC		Date Analyzed: 06/13/07 09:50		Units: mg/Kg		Date Prepared: 6/11/07		
Water Soluble Nitrite (As N)	0.9960	0.20	1.000		100%	80	120				
Sample ID: LCS-13867	Batch ID: 13867		Test Code: SW6010B		Date Analyzed: 06/10/07 16:54		Units: mg/Kg		Date Prepared: 6/8/07		
Sodium	1398	100	1300		108%	80	120				
Sample ID: LCSD-13867	Batch ID: 13867		Test Code: SW6010B		Date Analyzed: 06/10/07 16:58		Units: mg/Kg		Date Prepared: 6/8/07		
Sodium	1409	100	1300		108%	80	120	1398	1%	20	
Sample ID: LFB 6/68	Batch ID: 3GC7070606		Test Code: 8015AZ		Date Analyzed: 06/08/07 00:00		Units: mg/Kg		Date Prepared: 6/6/07		
C10-C22 DRO	480	30	500		96%	70	130				
o-Terphenyl	11.8	N/A	10.0		118%	70	130				
Sample ID: LFB 6/6	Batch ID: 3GC7070606		Test Code: 8015AZ		Date Analyzed: 06/08/07 00:00		Units: mg/Kg		Date Prepared: 6/6/07		
C10-C22 DRO	490	30	500		98%	70	130	480	2%	20	
o-Terphenyl	11.9	N/A	10.0		119%	70	130				
Sample ID: LCS 6/6	Batch ID: 3GC6070606		Test Code: SW8021B		Date Analyzed: 06/06/07 00:00		Units: mg/Kg		Date Prepared: 6/6/07		
Benzene	0.4900	0.050	0.5000		98%	65	130				
Ethylbenzene	0.5400	0.10	0.5000		108%	70	130				
Toluene	0.5200	0.10	0.5000		104%	70	130				
Xylenes, total	1.5872	0.15	1.500		106%	70	130				
Bromofluorobenzene	0.9800	N/A	1.000		98%	61	135				



Storage Location: S-31
brass

Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 6-6-07 1430

Work Order Number: 0706076

Checked by: Z

Checklist completed by: Craig H 6-6-07
Signature / Date

Logged In by: EB 6-6-07
Initials / Date

Matrix: Soil Carrier Name: Client TGI
Express IT

Reviewed by: JMO 6-8-07
Initials / Date

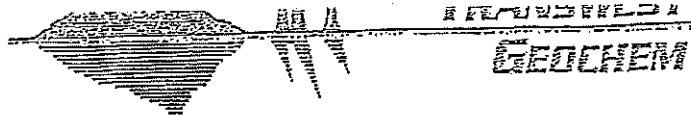
COMMENTS

- Shipping container/cooler in good condition? Yes No Not Present
- 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
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No Temp: 3.4 Sampled < 2hrs
- Water - VOA vials have zero headspace? Yes No N/A
- Water - pH acceptable upon receipt? Yes No N/A Checked by: _____
- Water - Sulfides present in Cyanide samples? Yes No N/A
- Samples considered Drinking Water for metal analysis? Yes No N/A

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 6/5/07 16:55

Work Order Number: 0706076

Received by: Keith Konola

Checklist completed by: Keith K. 6/5/07
Signature / Date

Logged In by: _____
Initials / Date

Matrix: Soil

Carrier Name: client

Reviewed by: _____
Initials / Date

COMMENTS

- Shipping container/cooler in good condition? Yes No Not Present
- 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
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No N/A
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No Temp: 5.8°C
- Water - VOA vials have zero headspace? Yes No N/A
- Water - pH acceptable upon receipt? Yes No N/A
- Water - Sulfides present in Cyanide samples? Yes No N/A

Adjusted? _____ Checked by: _____

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



3725 E. Atlanta Ave.
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

TRANSWEST
GEOCHEM

3860 S. Palo Verde Rd., Ste. 301
Tucson, Arizona 85714
Phone: (520) 573-1061
Fax: (520) 573-1063

Chain of Custody

TGI Work Order No: 0706076
Date 6/5/07 Page 1 of 1

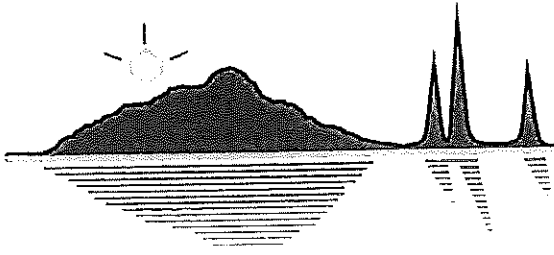
Bill To: City of Tucson - Environmental Service
Company: _____
Address: _____
City, State, Zip: _____
Phone: _____
Fax: _____

Project Manager: Rena Pierce
Client Name: FEL
Address: 4625 E. Felwell
City, State, Zip: Tucson, AZ 85712
Phone: 520-321-4625 Fax: 520-221-0777

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Ice:		Total No. of Containers:	No. of Containers	TPH, (8015AZR.1)	BTEX (8021B)	Volatile Organics GCMS (624/8260B)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA (8310)	8 RCRA Metals	ANALYSIS REQUEST			Comments
					Yes	No												Sodium	Nitrate	Nitrate	
HD-UST-525A-10	52.1	6/5/07	0835	01	Present	Absent	4	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	U.S.T. samples - need 48 hour extraction
AQ-UST-525A-20	(0855	02	Present	Absent		1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
AQ-UST-525A-40	(0948	03	Present	Absent		1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
HD-UST-525A-60	✓		1246	04	Present	Absent		1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

SAMPLE RECEIPT
Temperature: 5.80C
Received Intact: Yes No
Custody Seals: Yes No
Total No. of Containers: 4

Relinquished by: (Signature)	Relinquished by: (Print Name)	Received by: (Signature)	Received by: (Print Name)	Date / Time
<i>[Signature]</i>	Rena A. Pierce	<i>[Signature]</i>	Keith Kanaka	6/5/07 16:55
<i>[Signature]</i>	Keith Kanaka	<i>[Signature]</i>	Express IT	6/4/07 10:00
	Express IT	<i>[Signature]</i>	Tweedy Mitchell	6-6-07 1430



TRANSWEST
GEOCHEM

June 21, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE: TFD UST
Work Order No.: 0706004

Dear Kevin,

Transwest Geochem, Inc. received 3 samples on 6/1/2007 9:05:00 AM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 21-Jun-07

Client: Environmental & Engineering Consultants,
Work Order: 0706004
Project Name: TFD UST
Project Number:

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.



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Date Printed 20-Jun-07

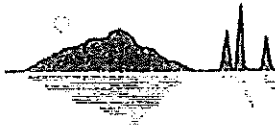
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0706004
Date Received: 01-Jun-07

**Case Narrative
Data Qualifiers**

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

- E1 Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
- M1 Matrix spike recovery was high, the method control sample recovery was acceptable.
- M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.



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Date Printed 20-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0706004

Work Order Sample Summary

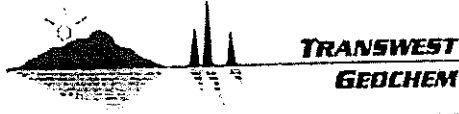
Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
HQ-UST-526A-20'	0706004-01A	8015AZ	5/31/07 09:48 AM	6/01/07 09:05 AM
		EPA353.2 NC	5/31/07 09:48 AM	6/01/07 09:05 AM
		N/A	5/31/07 09:48 AM	6/01/07 09:05 AM
		SM4500-NO2 B NC	5/31/07 09:48 AM	6/01/07 09:05 AM
		SW6010B	5/31/07 09:48 AM	6/01/07 09:05 AM
		SW8021B	5/31/07 09:48 AM	6/01/07 09:05 AM
HQ-UST-526A-40'	0706004-02A	8015AZ	5/31/07 10:38 AM	6/01/07 09:05 AM
		EPA353.2 NC	5/31/07 10:38 AM	6/01/07 09:05 AM
		N/A	5/31/07 10:38 AM	6/01/07 09:05 AM
		SM4500-NO2 B NC	5/31/07 10:38 AM	6/01/07 09:05 AM
		SW6010B	5/31/07 10:38 AM	6/01/07 09:05 AM
		SW8021B	5/31/07 10:38 AM	6/01/07 09:05 AM
HQ-UST-526A-60'	0706004-03A	8015AZ	6/01/07 08:00 AM	6/01/07 09:05 AM
		EPA353.2 NC	6/01/07 08:00 AM	6/01/07 09:05 AM
		N/A	6/01/07 08:00 AM	6/01/07 09:05 AM
		SM4500-NO2 B NC	6/01/07 08:00 AM	6/01/07 09:05 AM
		SW6010B	6/01/07 08:00 AM	6/01/07 09:05 AM
		SW8021B	6/01/07 08:00 AM	6/01/07 09:05 AM



CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0706004
Date Received: 01-Jun-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



Date Printed: 20-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Project Name: TFD UST
Project Number:
Work Order: 0706004
Date Received: 01-Jun-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM MethodD4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



**TRANSWEST
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Date Printed 20-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706004
Lab ID: 0706004-01
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-526A-20'
Collection Date: 5/31/2007 9:48:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	6/6/07	6/6/07	TL	NO3_S-6/6/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2S6/13
Sodium	110	100		mg/Kg	1.0	SW8010B	6/8/07	6/10/07 15:35	BJK	13866
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Bromofluorobenzene(Surrogate)	94	61-135		%REC	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	N/A	6/4/07 15:43	KK	TUSFUELS1_070604A
C10-C22 DRO	32	30		mg/Kg	1.0	8015AZ	N/A	6/4/07 15:43	KK	TUSFUELS1_070604A
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	N/A	6/4/07 15:43	KK	TUSFUELS1_070604A
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	N/A	6/4/07 15:43	KK	TUSFUELS1_070604A
o-Terphenyl(Surrogate)	89	70-130		%REC	1.0	8015AZ	N/A	6/4/07 15:43	KK	TUSFUELS1_070604A



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GEOCHEM**

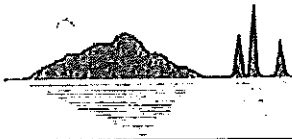
Date Printed 20-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706004
Lab ID: 0706004-02
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-526A-40'
Collection Date: 5/31/2007 10:38:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	6/6/07	6/6/07	TL	NO3_S-6/6/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2S6/13
Sodium	200	100		mg/Kg	1.0	SW6010B	6/8/07	6/10/07 15:38	BJK	13866
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Bromofluorobenzene(Surrogate)	91	61-135		%REC	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	N/A	6/4/07 16:28	KK	TUSFUELS1_070604A
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	N/A	6/4/07 16:28	KK	TUSFUELS1_070604A
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	N/A	6/4/07 16:28	KK	TUSFUELS1_070604A
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	N/A	6/4/07 16:28	KK	TUSFUELS1_070604A
o-Terphenyl((Surrogate)	105	70-130		%REC	1.0	8015AZ	N/A	6/4/07 16:28	KK	TUSFUELS1_070604A



**TRANSWEST
GEOCHEM**

Date Printed 20-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706004
Lab ID: 0706004-03
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-526A-60'
Collection Date: 6/1/2007 8:00:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	6/6/07	6/6/07	TL	NO3_S-6/6/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2S6/13
Sodium	310	100		mg/Kg	1.0	SW6010B	6/8/07	6/10/07 15:42	BJK	13856
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Bromofluorobenzene(Surrogate)	87	61-135		%REC	1.0	SW8021B	6/1/07	6/7/07	MO	2GC4070601
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	N/A	6/4/07 17:12	KK	TUSFUELS1_070604A
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	N/A	6/4/07 17:12	KK	TUSFUELS1_070604A
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	N/A	6/4/07 17:12	KK	TUSFUELS1_070604A
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	N/A	6/4/07 17:12	KK	TUSFUELS1_070604A
o-Terphenyl(Surrogate)	89	70-130		%REC	1.0	8015AZ	N/A	6/4/07 17:12	KK	TUSFUELS1_070604A



**TRANSWEST
GEOCHEM**

Date: 20-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706004
Project: TFD UST

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1	EPA353.2 NC	6/4/07	6/6/07	TL	NO3_S-6/6/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1	3M4500-NO2 B NC	6/11/07	6/13/07 9:50	KMB	NO2S6/13
Sodium	<100	100		mg/Kg	1	SW6010B	6/8/07	6/10/07 15:24	BJK	13866
Benzene	<0.050	0.050		mg/Kg	1.0000	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Ethylbenzene	<0.10	0.10		mg/Kg	1.0000	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Toluene	<0.10	0.10		mg/Kg	1.0000	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Xylenes, total	<0.15	0.15		mg/Kg	1.0000	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Bromofluorobenzene	98	61-135		%REC	1.0000	SW8021B	6/1/07	6/7/07	MO	2GC4070601
Benzene	<0.050	0.050		mg/Kg	1.0000	SW8021B	6/1/07	6/1/07	MO	2GC4070601
Ethylbenzene	<0.10	0.10		mg/Kg	1.0000	SW8021B	6/1/07	6/1/07	MO	2GC4070601
Toluene	<0.10	0.10		mg/Kg	1.0000	SW8021B	6/1/07	6/1/07	MO	2GC4070601
Xylenes, total	<0.15	0.15		mg/Kg	1.0000	SW8021B	6/1/07	6/1/07	MO	2GC4070601
Bromofluorobenzene	94	61-135		%REC	1.0000	SW8021B	6/1/07	6/1/07	MO	2GC4070601
C6-C10 GRO	<20	20		mg/Kg	1	8015AZ	N/A	6/4/07 12:44	KK	TUSFUELS1_070604A
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	N/A	6/4/07 12:44	KK	TUSFUELS1_070604A
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	N/A	6/4/07 12:44	KK	TUSFUELS1_070604A
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	N/A	6/4/07 12:44	KK	TUSFUELS1_070604A
o-Terphenyl	88	70-130		%REC	1	8015AZ	N/A	6/4/07 12:44	KK	TUSFUELS1_070604A



**TRANSWEST
GEOCHEM**

Date: 21-Jun-07

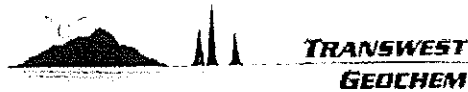
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0706004
Project: TFD UST

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705631-04A-MS	Batch ID: NO3_S-6/6/2007		Test Code: EPA353.2 NC			Date Analyzed: 06/06/07 00:00		Date Prepared: 6/4/07			
Client ID:			Units: mg/Kg								
Nitrate-Nitrite (As N), Water Soluble	53.10	5.0	50.00		106%	80	120				
Sample ID: 0705631-04A-MSD	Batch ID: NO3_S-6/6/2007		Test Code: EPA353.2 NC			Date Analyzed: 06/06/07 00:00		Date Prepared: 6/4/07			
Client ID:			Units: mg/Kg								
Nitrate-Nitrite (As N), Water Soluble	52.80	5.0	50.00		106%	80	120	53.1	1%	20	
Sample ID: 0706076-01A-MS	Batch ID: NO2S6/13		Test Code: SM4500-NO2 B NC			Date Analyzed: 06/13/07 09:50		Date Prepared: 6/11/07			
Client ID:			Units: mg/Kg								
Water Soluble Nitrite (As N)	1.122	0.20	1.000		112%	80	120				
Sample ID: 0706076-01A-MSD	Batch ID: NO2S6/13		Test Code: SM4500-NO2 B NC			Date Analyzed: 06/13/07 09:50		Date Prepared: 6/11/07			
Client ID:			Units: mg/Kg								
Water Soluble Nitrite (As N)	1.109	0.20	1.000		111%	80	120	1.122	1%	20	
Sample ID: 0706021-13A-MS	Batch ID: 13866		Test Code: SW6010B			Date Analyzed: 06/11/07 17:57		Date Prepared: 6/8/07			
Client ID:			Units: mg/Kg								
Sodium	6940	1000	1300	4858	160%	75	125				M3
Sample ID: 0706021-13A-MS	Batch ID: 13866		Test Code: SW6010B			Date Analyzed: 06/10/07 15:53		Date Prepared: 6/8/07			
Client ID:			Units: mg/Kg								
Sodium	8405	100	1300	5922	191%	75	125				E1,M1
Sample ID: 0706021-13A-MSD	Batch ID: 13866		Test Code: SW6010B			Date Analyzed: 06/11/07 18:01		Date Prepared: 6/8/07			
Client ID:			Units: mg/Kg								
Sodium	7188	1000	1300	4858	179%	75	125	6940	4%	20	M3
Sample ID: 0706021-13A-MSD	Batch ID: 13866		Test Code: SW6010B			Date Analyzed: 06/10/07 15:56		Date Prepared: 6/8/07			
Client ID:			Units: mg/Kg								
Sodium	8472	100	1300	5922	196%	75	125	8405	1%	20	E1,M1
Sample ID: 0705350-23AS	Batch ID: 2GC4070601		Test Code: SW8021B			Date Analyzed: 06/01/07 00:00		Date Prepared: 6/1/07			
Client ID:			Units: mg/Kg								
Benzene	0.4800	0.050	0.5000		96%	63	124				
Ethylbenzene	0.4600	0.10	0.5000		92%	70	130				
Toluene	0.4700	0.10	0.5000		94%	66	127				
Xylenes, total	1.3539	0.15	1.500		90%	65	130				
Bromofluorobenzene	0.8800	N/A	1.000		88%	61	135				

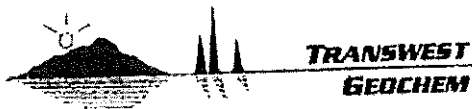


Date: 21-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 0706004
Project: TFD UST

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705350-23ASD		Batch ID: 2GC4070601		Test Code: SW8021B			Date Analyzed: 06/01/07 00:00				
Client ID:		Units: mg/Kg			Date Prepared: 6/1/07						
Benzene	0.4800	0.050	0.5000		96%	63	124	0.48	0%	20	
Ethylbenzene	0.4700	0.10	0.5000		94%	70	130	0.46	2%	22	
Toluene	0.4800	0.10	0.5000		96%	66	127	0.47	2%	20	
Xylenes, total	1.3922	0.15	1.500		93%	65	130	1.354	3%	20	
Bromofluorobenzene	0.9100	N/A	1.000		91%	61	135				
Sample ID: 0706004-03AS		Batch ID: 2GC4070601		Test Code: SW8021B			Date Analyzed: 06/07/07 00:00				
Client ID: HQ-UST-526A-60'		Units: mg/Kg			Date Prepared: 6/1/07						
Benzene	0.4600	0.050	0.5000		92%	63	124				
Ethylbenzene	0.4500	0.10	0.5000		90%	70	130				
Toluene	0.4500	0.10	0.5000		90%	66	127				
Xylenes, total	1.3122	0.15	1.500		87%	65	130				
Bromofluorobenzene	0.9100	N/A	1.000		91%	61	135				
Sample ID: 0706004-03ASD		Batch ID: 2GC4070601		Test Code: SW8021B			Date Analyzed: 06/07/07 00:00				
Client ID: HQ-UST-526A-60'		Units: mg/Kg			Date Prepared: 6/1/07						
Benzene	0.4600	0.050	0.5000		92%	63	124	0.46	0%	20	
Ethylbenzene	0.4400	0.10	0.5000		88%	70	130	0.45	2%	22	
Toluene	0.4500	0.10	0.5000		90%	66	127	0.45	0%	20	
Xylenes, total	1.3336	0.15	1.500		89%	65	130	1.312	2%	20	
Bromofluorobenzene	0.8900	N/A	1.000		89%	61	135				
Sample ID: 0706004-03AMS		Batch ID: TUSFUELS1_070604A		Test Code: 8015AZ			Date Analyzed: 06/04/07 18:41				
Client ID: HQ-UST-526A-60'		Units: mg/Kg			Date Prepared: 6/4/07						
C10-C22 DRO	487	30	500		97%	70	130				
o-Terphenyl	9.59	N/A	10.0		96%	70	130				
Sample ID: 0706004-03AMSD		Batch ID: TUSFUELS1_070604A		Test Code: 8015AZ			Date Analyzed: 06/04/07 19:27				
Client ID: HQ-UST-526A-60'		Units: mg/Kg			Date Prepared: 6/4/07						
C10-C22 DRO	435	30	500		87%	70	130	487	11%	20	
o-Terphenyl	8.36	N/A	10.0		84%	70	130				



Date: 20-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706004
Project: TFD UST

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS	Batch ID: NO3_S-6/6/2007		Test Code: EPA353.2 NC		Date Analyzed: 06/06/07 00:00		Date Prepared: 6/4/07				
Nitrate-Nitrite (As N), Water Soluble	50.80	5.0	50.00		102%	80	120				
Sample ID: LCSD	Batch ID: NO3_S-6/6/2007		Test Code: EPA353.2 NC		Date Analyzed: 06/06/07 00:00		Date Prepared: 6/4/07				
Nitrate-Nitrite (As N), Water Soluble	50.70	5.0	50.00		101%	80	120	50.8	0%	20	
Sample ID: LCS	Batch ID: NO2S6/13		Test Code: SM4500-NO2 B NC		Date Analyzed: 06/13/07 09:50		Date Prepared: 6/11/07				
Water Soluble Nitrite (As N)	0.9960	0.20	1.000		100%	80	120				
Sample ID: LCS-13866	Batch ID: 13866		Test Code: SW6010B		Date Analyzed: 06/10/07 15:28		Date Prepared: 6/8/07				
Sodium	1428	100	1300		110%	80	120				
Sample ID: LCSD-13866	Batch ID: 13866		Test Code: SW6010B		Date Analyzed: 06/10/07 15:31		Date Prepared: 6/8/07				
Sodium	1404	100	1300		108%	80	120	1428	2%	20	
Sample ID: LCS 6/1	Batch ID: 2GC4070601		Test Code: SW8021B		Date Analyzed: 06/07/07 00:00		Date Prepared: 6/1/07				
Benzene	0.5100	0.050	0.5000		102%	65	130				
Ethylbenzene	0.4800	0.10	0.5000		96%	70	130				
Toluene	0.4900	0.10	0.5000		98%	70	130				
Xylenes, total	1.4861	0.15	1.500		99%	70	130				
Bromofluorobenzene	0.9500	N/A	1.000		95%	61	135				
Sample ID: LCS 6/1	Batch ID: 2GC4070601		Test Code: SW8021B		Date Analyzed: 06/01/07 00:00		Date Prepared: 6/1/07				
Benzene	0.5200	0.050	0.5000		104%	65	130				
Ethylbenzene	0.5200	0.10	0.5000		104%	70	130				
Toluene	0.5100	0.10	0.5000		102%	70	130				
Xylenes, total	1.5668	0.15	1.500		104%	70	130				
Bromofluorobenzene	0.9500	N/A	1.000		95%	61	135				
Sample ID: LCSD 6/1	Batch ID: 2GC4070601		Test Code: SW8021B		Date Analyzed: 06/07/07 00:00		Date Prepared: 6/1/07				
Benzene	0.5000	0.050	0.5000		100%	65	130	0.51	2%	20	
Ethylbenzene	0.4900	0.10	0.5000		98%	70	130	0.48	2%	20	
Toluene	0.4800	0.10	0.5000		96%	70	130	0.49	2%	20	
Xylenes, total	1.4711	0.15	1.500		98%	70	130	1.486	1%	20	
Bromofluorobenzene	0.9600	N/A	1.000		96%	61	135				



**TRANSWEST
GEOCHEM**

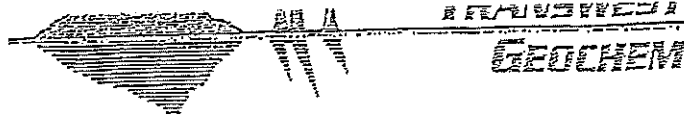
Date: 20-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0706004
 Project: TFD UST

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD 6/1	Batch ID: 2GC4070601		Test Code: SW8021B			Units: mg/Kg		Date Analyzed: 06/01/07 00:00		Date Prepared: 6/1/07	
Benzene	0.5000	0.050	0.5000		100%	65	130	0.52	4%	20	
Ethylbenzene	0.5000	0.10	0.5000		100%	70	130	0.52	4%	20	
Toluene	0.4900	0.10	0.5000		98%	70	130	0.51	4%	20	
Xylenes, total	1.535	0.15	1.500		102%	70	130	1.567	2%	20	
Bromofluorobenzene	0.9500	N/A	1.000		95%	61	135				
Sample ID: LCS	Batch ID: TUSFUELS1_070604A		Test Code: 8015AZ			Units: mg/Kg		Date Analyzed: 06/04/07 13:29		Date Prepared: N/A	
C10-C22 DRO	465	30	500		93%	70	130				
o-Terphenyl	9.18	N/A	10.0		92%	70	130				
Sample ID: LCSD	Batch ID: TUSFUELS1_070604A		Test Code: 8015AZ			Units: mg/Kg		Date Analyzed: 06/04/07 14:14		Date Prepared: N/A	
C10-C22 DRO	533	30	500		107%	70	130	465	14%	20	
o-Terphenyl	10.1	N/A	10.0		101%	70	130				



Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 6/1/07 09:05

Work Order Number: 0706004

Received by: Kern Collins

Checklist completed by: Kern Collins 6/1/07
Signature / Date

Logged In by: _____
Initials / Date

Matrix:

Carrier Name:

Reviewed by: _____
Initials / Date

Soil

Client

COMMENTS

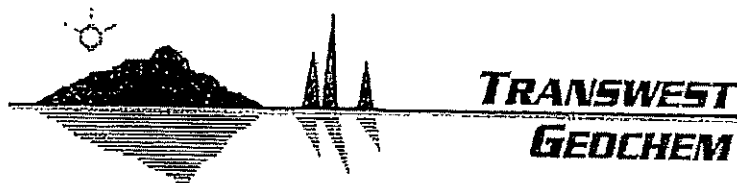
- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No N/A
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No Temp: 5.6°C
- Water - VOA vials have zero headspace? Yes No N/A
- Water - pH acceptable upon receipt? Yes No N/A
- Water - Sulfides present in Cyanide samples? Yes No N/A

Adjusted? _____ Checked by: _____

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



Storage Location: S-29

ML Conf.

Sample Receipt Checklist

Client Name: City of Tucson-ES

Date and Time Received: 6.1.07 1538

Work Order Number: 0706 004

Checked by: CB

Checklist completed by: [Signature] 6.1.07
Signature / Date

Logged In by: [Signature] 6.1.07
Initials / Date

Matrix: soil Carrier Name: Client TGI Express It

Reviewed by: [Signature] 6/5/07
Initials / Date

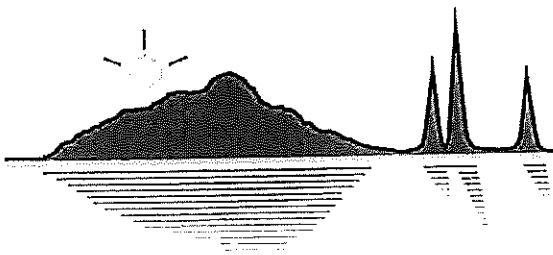
COMMENTS

- | | | | | |
|---|---|-----------------------------|---|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> | |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> | |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Temp: <u>5.9</u> | Sampled < 2hrs <input type="checkbox"/> |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | Checked by: _____ |
| Water - Sulfides present in Cyanide samples? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Samples considered Drinking Water for metal analysis? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



TRANSWEST
GEOCHEM

June 12, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE: TFD UST
Work Order No.: 0705626

Dear Kevin,

Transwest Geochem, Inc. received 13 samples on 5/24/2007 11:15:00 AM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 12-Jun-07

Client: Environmental & Engineering Consultants,
Work Order: 0705626
Project Name: TFD UST
Project Number:

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

Analytical Comments for Method SW8310, Laboratory Control Spike LCS-13797, Batch 13797: L2- The associated blank spike recovery was below laboratory acceptance limits for naphthalene. The LCSD and MS/MSD pair were within acceptance limits.

Analytical Comments for Method SW8260B, R2 qualifier, Laboratory Control Sample Duplicate LCSD 5/25, Batch GCMS_T_070529C: The RPD for Vinyl Acetate was outside acceptance limits in the LCS/LCSD. The recovery and RPD value was within acceptance criteria in the MS/MSD.



**TRANSWEST
GEOCHEM**

Date Printed 11-Jun-07

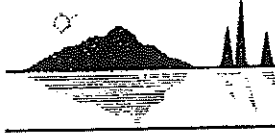
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0705626
Date Received: 24-May-07

**Case Narrative
Data Qualifiers**

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

- C7 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per EPA Method 8000B, the lower value was reported due to apparent chromatographic interference.
- D1 Sample required dilution due to matrix.
- D2 Sample required dilution due to high concentration of target analyte.
- L2 The associated blank spike recovery was below laboratory acceptance limits.
- M1 Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 Matrix spike recovery was low, the method control sample recovery was acceptable.
- R2 RPD exceeded the laboratory control limit. See case narrative.
- R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.



**TRANSWEST
GEOCHEM**

Date Printed 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0705626

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
HQ-UST-DIE-10'	0705626-01A	8015AZ	5/23/07 08:03 AM	5/24/07 11:15 AM
		SW8260B	5/23/07 08:03 AM	5/24/07 11:15 AM
HQ-UST-DIE-20'	0705626-02A	8015AZ	5/23/07 08:25 AM	5/24/07 11:15 AM
		EPA 8310	5/23/07 08:25 AM	5/24/07 11:15 AM
HQ-UST-DIE-30'	0705626-03A	SW8260B	5/23/07 08:25 AM	5/24/07 11:15 AM
		8015AZ	5/23/07 08:45 AM	5/24/07 11:15 AM
HQ-UST-DIE-30'	0705626-03A	EPA 8310	5/23/07 08:45 AM	5/24/07 11:15 AM
		SW6010B	5/23/07 08:45 AM	5/24/07 11:15 AM
		SW8260B	5/23/07 08:45 AM	5/24/07 11:15 AM
HQ-UST-DIW-10'	0705626-04A	8015AZ	5/23/07 09:35 AM	5/24/07 11:15 AM
		SW8260B	5/23/07 09:35 AM	5/24/07 11:15 AM
HQ-UST-DIW-20'	0705626-05A	8015AZ	5/23/07 10:00 AM	5/24/07 11:15 AM
		EPA 8310	5/23/07 10:00 AM	5/24/07 11:15 AM
		SW6010B	5/23/07 10:00 AM	5/24/07 11:15 AM
HQ-UST-DIW-20'	0705626-05A	SW8260B	5/23/07 10:00 AM	5/24/07 11:15 AM
		8015AZ	5/23/07 02:23 PM	5/24/07 11:15 AM
		EPA 8310	5/23/07 02:23 PM	5/24/07 11:15 AM
HQ-UST-DIW-30'	0705626-06A	SW8260B	5/23/07 02:23 PM	5/24/07 11:15 AM
		8015AZ	5/23/07 02:50 PM	5/24/07 11:15 AM
		EPA 8310	5/23/07 02:50 PM	5/24/07 11:15 AM
HQ-UST-DIW-40'	0705626-07A	SW8260B	5/23/07 02:50 PM	5/24/07 11:15 AM
		8015AZ	5/23/07 12:16 PM	5/24/07 11:15 AM
HQ-UST-524A-15'	0705626-08A	SW8260B	5/23/07 12:16 PM	5/24/07 11:15 AM
		8015AZ	5/23/07 12:30 PM	5/24/07 11:15 AM
HQ-UST-524A-20'	0705626-09A	EPA 8310	5/23/07 12:30 PM	5/24/07 11:15 AM
		SW6010B	5/23/07 12:30 PM	5/24/07 11:15 AM
		SW8260B	5/23/07 12:30 PM	5/24/07 11:15 AM
HQ-UST-524A-30'	0705626-10A	8015AZ	5/23/07 01:10 PM	5/24/07 11:15 AM
		SW8260B	5/23/07 01:10 PM	5/24/07 11:15 AM
HQ-UST-524A-40'	0705626-11A	8015AZ	5/24/07 08:05 AM	5/24/07 11:15 AM
		EPA 8310	5/24/07 08:05 AM	5/24/07 11:15 AM
		SW8260B	5/24/07 08:05 AM	5/24/07 11:15 AM
HQ-UST-524A-50'	0705626-12A	8015AZ	5/24/07 08:52 AM	5/24/07 11:15 AM
		SW8260B	5/24/07 08:52 AM	5/24/07 11:15 AM
HQ-UST-524A-60'	0705626-13A	8015AZ	5/24/07 09:30 AM	5/24/07 11:15 AM

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0705626

Work Order Sample Summary

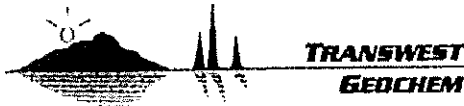
Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
HQ-UST-524A-60'	0705626-13A	SW8260B	5/24/07 09:30 AM	5/24/07 11:15 AM



CLIENT: Environmental & Engineering Consultants,
Project Name: TFD UST
Project Number:
Work Order: 0705626
Date Received: 24-May-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



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License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Project Name: TFD UST
Project Number:
Work Order: 0705626
Date Received: 24-May-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM MethodD4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

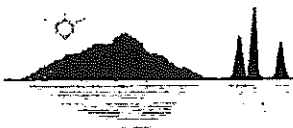
The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



**TRANSWEST
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Date Printed 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-01
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIE-10'
Collection Date: 5/23/2007 8:03:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 8:33	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 8:33	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 8:33	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 8:33	MJB	13776
o-Terphenyl(Surrogate)	112	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 8:33	MJB	13776
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 5:09	BSP	GCMS_I_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 5:09	BSP	GCMS_I_070529C
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 5:09	BSP	GCMS_I_070529C
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 5:09	BSP	GCMS_I_070529C
4-Bromofluorobenzene(Surrogate)	80	59-131		%REC	1.0	SW8260B	5/25/07	5/30/07 5:09	BSP	GCMS_I_070529C
1,2-Dichloroethane-d4(Surrogate)	92	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 5:09	BSP	GCMS_I_070529C
Dibromofluoromethane(Surrogate)	84	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 5:09	BSP	GCMS_I_070529C
Toluene-d8(Surrogate)	87	64-120		%REC	1.0	SW8260B	5/25/07	5/30/07 5:09	BSP	GCMS_I_070529C



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-02
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIE-20'
Collection Date: 5/23/2007 8:25:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	180	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 9:18	MJB	13776
C10-C22 DRO	150	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 9:18	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 9:18	MJB	13776
C10-C32 SRL	150	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 9:18	MJB	13776
o-Terphenyl(Surrogate)	115	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 9:18	MJB	13776
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Naphthalene	1.1	0.10		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
2-Chloroanthracene(Surrogate)	98	51-125		%REC	1.0	EPA 8310	5/29/07	6/2/07 23:26	NC	13779
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
n-Butylbenzene	0.90	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
sec-Butylbenzene	0.28	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C



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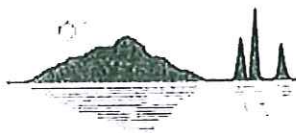
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-02
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIE-20'
Collection Date: 5/23/2007 8:25:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Ethylbenzene	0.82	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Isopropylbenzene	0.26	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Naphthalene	1.6	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
n-Propylbenzene	1.1	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Toluene	0.11	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-02
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIE-20'
Collection Date: 5/23/2007 8:25:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2,4-Trimethylbenzene	13	2.5	D2	mg/Kg	10	SW8260B	5/25/07	5/31/07 14:52	BSP	GCMS_T_070529C
1,3,5-Trimethylbenzene	3.1	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Vinyl acetate	<0.50	0.50	L2	mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Xylenes, Total	3.8	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	84	59-131		%REC	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	88	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	88	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	86	64-120		%REC	1.0	SW8260B	5/25/07	5/30/07 12:57	BSP	GCMS_T_070529C



**TRANSWEST
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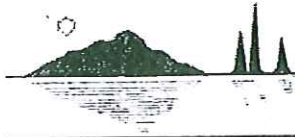
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CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705626
 Lab ID: 0705626-03
 Project Name: TFD UST
 Project Number:

Client Sample ID: HQ-UST-DIE-30'
 Collection Date: 5/23/2007 8:45:00 AM
 Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	480	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 10:02	MJB	13776
C10-C22 DRO	180	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 10:02	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 10:02	MJB	13776
C10-C32 SRL	180	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 10:02	MJB	13776
o-Terphenyl(Surrogate)	117	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 10:02	MJB	13776
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Acenaphthylene	0.75	0.40	C7	mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Naphthalene	3.9	0.10		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
2-Chloroanthracene(Surrogate)	102	51-125		%REC	1.0	EPA 8310	5/29/07	6/2/07 23:57	NC	13779
Lead	<5.0	5.0		mg/Kg	1.0	SW6010B	6/4/07	6/6/07 20:24	BJK	13818
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Benzene	2.6	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
n-Butylbenzene	1.4	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
sec-Butylbenzene	0.50	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C



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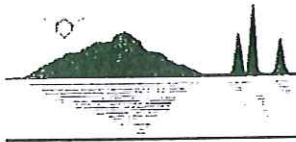
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-03
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIE-30'
Collection Date: 5/23/2007 8:45:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Ethylbenzene	15	1.0	D2	mg/Kg	10	SW8260B	5/25/07	5/31/07 15:27	BSP	GCMS_T_070529C
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Isopropylbenzene	1.1	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
4-Isopropyltoluene	0.67	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Methyl tert-butyl ether	3.5	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Naphthalene	3.4	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
n-Propylbenzene	3.5	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Toluene	26	1.0	D2	mg/Kg	10	SW8260B	5/25/07	5/31/07 15:27	BSP	GCMS_T_070529C
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C



**TRANSWEST
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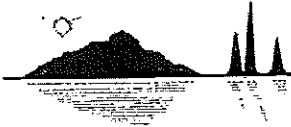
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-03
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIE-30'
Collection Date: 5/23/2007 8:45:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,2,4-Trimethylbenzene	20	2.5	D2	mg/Kg	10	SW8260B	5/25/07	5/31/07 15:27	BSP	GCMS_T_070529C
1,3,5-Trimethylbenzene	23	2.5	D2	mg/Kg	10	SW8260B	5/25/07	5/31/07 15:27	BSP	GCMS_T_070529C
Vinyl acetate	<0.50	0.50	L2	mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Xylenes, Total	54	1.5	D2	mg/Kg	10	SW8260B	5/25/07	5/31/07 15:27	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	77	59-131		%REC	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	80	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	80	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	80	64-120		%REC	1.0	SW8260B	5/25/07	5/30/07 13:41	BSP	GCMS_T_070529C



**TRANSWEST
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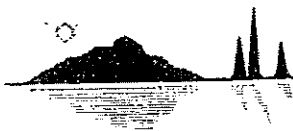
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-04
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIW-10'
Collection Date: 5/23/2007 9:35:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 10:47	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 10:47	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 10:47	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 10:47	MJB	13776
o-Terphenyl(Surrogate)	113	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 10:47	MJB	13776
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/31/07 20:28	BSP	GCMS_T_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/31/07 20:28	BSP	GCMS_T_070529C
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/31/07 20:28	BSP	GCMS_T_070529C
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/31/07 20:28	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	77	59-131		%REC	1.0	SW8260B	5/25/07	5/31/07 20:28	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	90	63-123		%REC	1.0	SW8260B	5/25/07	5/31/07 20:28	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	81	63-123		%REC	1.0	SW8260B	5/25/07	5/31/07 20:28	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	82	64-120		%REC	1.0	SW8260B	5/25/07	5/31/07 20:28	BSP	GCMS_T_070529C



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-05
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIW-20'
Collection Date: 5/23/2007 10:00:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 5:36	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 5:36	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 5:36	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 5:36	MJB	13776
o-Terphenyl(Surrogate)	116	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 5:36	MJB	13776
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
2-Chloroanthracene(Surrogate)	91	51-125		%REC	1.0	EPA 8310	5/29/07	6/3/07 0:28	NC	13779
Lead	<5.0	5.0		mg/Kg	1.0	SW6010B	6/4/07	6/6/07 20:27	BJK	13818
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C



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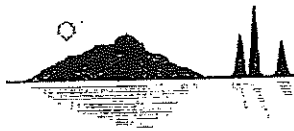
Date Printed 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-05
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIW-20'
Collection Date: 5/23/2007 10:00:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C



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Date Printed 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-05
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIW-20'
Collection Date: 5/23/2007 10:00:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Vinyl acetate	<0.50	0.50	L2	mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	84	59-131		%REC	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	91	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	93	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	88	64-120		%REC	1.0	SW8260B	5/25/07	5/30/07 15:08	BSP	GCMS_T_070529C



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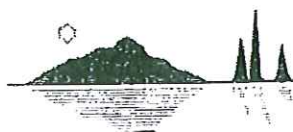
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-06
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIW-30'
Collection Date: 5/23/2007 2:23:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 11:31	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 11:31	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 11:31	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 11:31	MJB	13776
o-Terphenyl(Surrogate)	113	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 11:31	MJB	13776
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
2-Chloroanthracene(Surrogate)	99	51-125		%REC	1.0	EPA 8310	5/29/07	6/3/07 0:59	NC	13779
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Benzene	0.21	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C



**TRANSWEST
GEOCHEM**

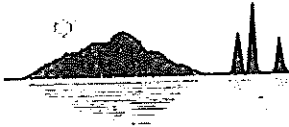
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-06
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIW-30'
Collection Date: 5/23/2007 2:23:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Methyl tert-butyl ether	0.96	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C



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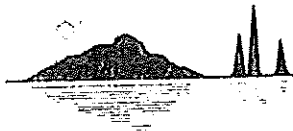
Date Printed 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-06
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIW-30'
Collection Date: 5/23/2007 2:23:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Vinyl acetate	<0.50	0.50	L2	mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	83	59-131		%REC	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	86	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	89	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	84	64-120		%REC	1.0	SW8260B	5/25/07	5/30/07 15:52	BSP	GCMS_T_070529C



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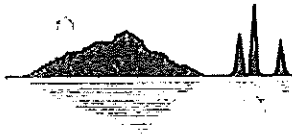
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-07
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-DIW-40'
Collection Date: 5/23/2007 2:50:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 12:16	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 12:16	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 12:16	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 12:16	MJB	13776
o-Terphenyl(Surrogate)	112	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 12:16	MJB	13776
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 16:36	BSP	GCMS_T_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 16:36	BSP	GCMS_T_070529C
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 16:36	BSP	GCMS_T_070529C
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 16:36	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	85	59-131		%REC	1.0	SW8260B	5/25/07	5/30/07 16:36	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	94	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 16:36	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	95	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 16:36	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	90	64-120		%REC	1.0	SW8260B	5/25/07	5/30/07 16:36	BSP	GCMS_T_070529C



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-08
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-524A-15'
Collection Date: 5/23/2007 12:16:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 15:59	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 15:59	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 15:59	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 15:59	MJB	13776
o-Terphenyl(Surrogate)	111	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 15:59	MJB	13776
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 19:39	BSP	GCMS_T_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 19:39	BSP	GCMS_T_070529C
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 19:39	BSP	GCMS_T_070529C
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 19:39	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	85	59-131		%REC	1.0	SW8260B	5/25/07	5/29/07 19:39	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	94	63-123		%REC	1.0	SW8260B	5/25/07	5/29/07 19:39	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	91	63-123		%REC	1.0	SW8260B	5/25/07	5/29/07 19:39	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	89	64-120		%REC	1.0	SW8260B	5/25/07	5/29/07 19:39	BSP	GCMS_T_070529C



**TRANSWEST
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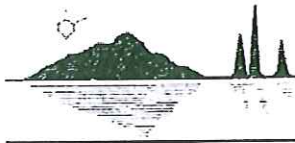
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-09
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-524A-20'
Collection Date: 5/23/2007 12:30:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	730	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 16:45	MJB	13776
C10-C22 DRO	390	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 16:45	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 16:45	MJB	13776
C10-C32 SRL	390	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 16:45	MJB	13776
o-Terphenyl(Surrogate)	115	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 16:45	MJB	13776
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Acenaphthylene	0.83	0.40	C7	mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Naphthalene	3.7	0.10		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Phenanthrene	0.087	0.080	C7	mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
2-Chloroanthracene(Surrogate)	109	51-125		%REC	1.0	EPA 8310	5/29/07	6/3/07 1:30	NC	13779
Lead	<5.0	5.0		mg/Kg	1.0	SW6010B	6/4/07	6/6/07 20:38	BJK	13818
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
n-Butylbenzene	2.6	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
sec-Butylbenzene	0.84	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C



**TRANSWEST
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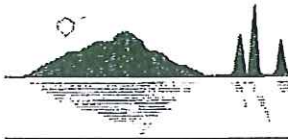
Date Printed 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-09
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-524A-20'
Collection Date: 5/23/2007 12:30:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Ethylbenzene	10	1.0	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 17:19	BSP	GCMS_T_070529C
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Isopropylbenzene	1.6	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
4-Isopropyltoluene	0.39	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Naphthalene	5.4	2.5	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 17:19	BSP	GCMS_T_070529C
n-Propylbenzene	5.1	2.5	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 17:19	BSP	GCMS_T_070529C
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Toluene	2.3	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C



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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-09
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-524A-20'
Collection Date: 5/23/2007 12:30:00 PM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2,4-Trimethylbenzene	28	2.5	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 17:19	BSP	GCMS_T_070529C
1,3,5-Trimethylbenzene	8.8	2.5	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 17:19	BSP	GCMS_T_070529C
Vinyl acetate	<0.50	0.50	L2	mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Xylenes, Total	51	1.5	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 17:19	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	86	59-131		%REC	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	92	63-123		%REC	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	89	63-123		%REC	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	88	64-120		%REC	1.0	SW8260B	5/25/07	5/29/07 20:23	BSP	GCMS_T_070529C



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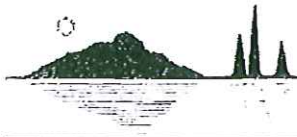
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CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705626
 Lab ID: 0705626-10
 Project Name: TFD UST
 Project Number:

Client Sample ID: HQ-UST-524A-30'
 Collection Date: 5/23/2007 1:10:00 PM
 Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	2400	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 17:29	MJB	13776
C10-C22 DRO	610	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 17:29	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 17:29	MJB	13776
C10-C32 SRL	610	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 17:29	MJB	13776
o-Terphenyl(Surrogate)	117	70-130		%REC	1.0					
Benzene	9.5	0.50	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:03	BSP	GCMS_T_070529C
Ethylbenzene	32	1.0	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:03	BSP	GCMS_T_070529C
Toluene	50	10	D2	mg/Kg	100	SW8260B	5/25/07	5/31/07 21:11	BSP	GCMS_T_070529C
Xylenes, Total	110	15	D2	mg/Kg	100	SW8260B	5/25/07	5/31/07 21:11	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	71	59-131		%REC	10	SW8260B	5/25/07	5/30/07 18:03	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	80	63-123		%REC	10	SW8260B	5/25/07	5/30/07 18:03	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	82	63-123		%REC	10	SW8260B	5/25/07	5/30/07 18:03	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	74	64-120		%REC	10	SW8260B	5/25/07	5/30/07 18:03	BSP	GCMS_T_070529C



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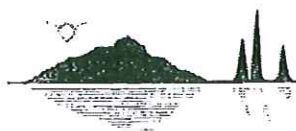
Date Printed 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-11
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-524A-40'
Collection Date: 5/24/2007 8:05:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	130	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 18:14	MJB	13776
C10-C22 DRO	63	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 18:14	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 18:14	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 18:14	MJB	13776
o-Terphenyl(Surrogate)	115	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 18:14	MJB	13776
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Naphthalene	0.46	0.10	L2	mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
2-Chloroanthracene(Surrogate)	68	51-125		%REC	1.0	EPA 8310	5/30/07	6/2/07 22:55	NC	13797
Acetone	<15	15	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Benzene	0.72	0.50	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Bromobenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Bromochloromethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Bromodichloromethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Bromoform	<1.0	1.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Bromomethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
2-Butanone	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
n-Butylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
sec-Butylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
tert-Butylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Carbon disulfide	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Carbon tetrachloride	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Chlorobenzene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Dibromochloromethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Chloroethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C



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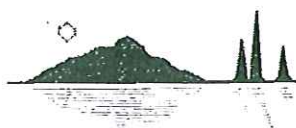
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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-11
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-524A-40'
Collection Date: 5/24/2007 8:05:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chloroform	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Chloromethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
2-Chlorotoluene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
4-Chlorotoluene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2-Dibromo-3-chloropropane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2-Dibromoethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Dibromomethane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2-Dichlorobenzene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,3-Dichlorobenzene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,4-Dichlorobenzene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Dichlorodifluoromethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,1-Dichloroethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2-Dichloroethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,1-Dichloroethene	<1.0	1.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
cis-1,2-Dichloroethene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
trans-1,2-Dichloroethene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2-Dichloropropane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,3-Dichloropropane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
2,2-Dichloropropane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,1-Dichloropropene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
cis-1,3-Dichloropropene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
trans-1,3-Dichloropropene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Ethylbenzene	2.4	1.0	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Hexachlorobutadiene	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
2-Hexanone	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Iodomethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Isopropylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
4-Isopropyltoluene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Methylene chloride	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
4-Methyl-2-pentanone	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Methyl tert-butyl ether	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Naphthalene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
n-Propylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Styrene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,1,1,2-Tetrachloroethane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,1,2,2-Tetrachloroethane	<1.0	1.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Tetrachloroethene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Toluene	4.7	1.0	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2,3-Trichlorobenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2,4-Trichlorobenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,1,1-Trichloroethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C



**TRANSWEST
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Date Printed 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-11
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-524A-40'
Collection Date: 5/24/2007 8:05:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
1,1,2-Trichloroethane	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Trichloroethene	<0.50	0.50	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Trichlorofluoromethane	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2,3-Trichloropropane	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2,4-Trimethylbenzene	6.5	2.5	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,3,5-Trimethylbenzene	<2.5	2.5	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Vinyl acetate	<5.0	5.0	D1,L2	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Vinyl chloride	<5.0	5.0	D1	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Xylenes, Total	10	1.5	D2	mg/Kg	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	81	59-131		%REC	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	94	63-123		%REC	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	96	63-123		%REC	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	90	64-120		%REC	10	SW8260B	5/25/07	5/30/07 18:47	BSP	GCMS_T_070529C



**TRANSWEST
GEOCHEM**

Date Printed 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Lab ID: 0705626-12
Project Name: TFD UST
Project Number:

Client Sample ID: HQ-UST-524A-50'
Collection Date: 5/24/2007 8:52:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 18:58	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 18:58	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 18:58	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 18:58	MJB	13776
o-Terphenyl(Surrogate)	113	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 18:58	MJB	13776
Benzene	0.31	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 19:31	BSP	GCMS_T_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 19:31	BSP	GCMS_T_070529C
Toluene	0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 19:31	BSP	GCMS_T_070529C
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 19:31	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	83	59-131		%REC	1.0	SW8260B	5/25/07	5/30/07 19:31	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	94	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 19:31	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	96	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 19:31	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	90	64-120		%REC	1.0	SW8260B	5/25/07	5/30/07 19:31	BSP	GCMS_T_070529C



**TRANSWEST
GEOCHEM**

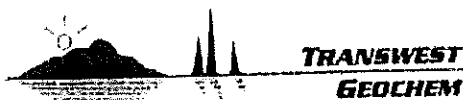
Date Printed 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705626
 Lab ID: 0705626-13
 Project Name: TFD UST
 Project Number:

Client Sample ID: HQ-UST-524A-60'
 Collection Date: 5/24/2007 9:30:00 AM
 Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 19:43	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 19:43	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 19:43	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	5/29/07	5/31/07 19:43	MJB	13776
o-Terphenyl(Surrogate)	111	70-130		%REC	1.0	8015AZ	5/29/07	5/31/07 19:43	MJB	13776
Benzene	0.63	0.050		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 20:14	BSP	GCMS_T_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 20:14	BSP	GCMS_T_070529C
Toluene	0.29	0.10		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 20:14	BSP	GCMS_T_070529C
Xylenes, Total	0.27	0.15		mg/Kg	1.0	SW8260B	5/25/07	5/30/07 20:14	BSP	GCMS_T_070529C
4-Bromofluorobenzene(Surrogate)	85	59-131		%REC	1.0	SW8260B	5/25/07	5/30/07 20:14	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4(Surrogate)	91	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 20:14	BSP	GCMS_T_070529C
Dibromofluoromethane(Surrogate)	95	63-123		%REC	1.0	SW8260B	5/25/07	5/30/07 20:14	BSP	GCMS_T_070529C
Toluene-d8(Surrogate)	89	64-120		%REC	1.0	SW8260B	5/25/07	5/30/07 20:14	BSP	GCMS_T_070529C



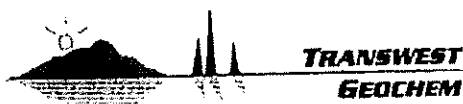
Date: 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705626
 Project: TFD UST

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
C6-C10 GRO	<20	20		mg/Kg	1	8015AZ	5/29/07	5/29/07 9:42	MJB	13776
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	5/29/07	5/29/07 9:42	MJB	13776
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	5/29/07	5/29/07 9:42	MJB	13776
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	5/29/07	5/29/07 9:42	MJB	13776
o-Terphenyl	107	70-130		%REC	1	8015AZ	5/29/07	5/29/07 9:42	MJB	13776
Acenaphthene	<0.40	0.40		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Acenaphthylene	<0.40	0.40		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benz[a]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Chrysene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Fluorene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Naphthalene	<0.10	0.10		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Phenanthrene	<0.080	0.080		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Pyrene	<0.040	0.040		mg/Kg	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
2-Chloroanthracene	80	51-125		%REC	1	EPA 8310	5/29/07	6/2/07 4:06	NC	13779
Acenaphthene	<0.40	0.40		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Acenaphthylene	<0.40	0.40		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Benz[a]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Chrysene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Fluorene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Naphthalene	<0.10	0.10		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Phenanthrene	<0.080	0.080		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Pyrene	<0.040	0.040		mg/Kg	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
2-Chloroanthracene	71	51-125		%REC	1	EPA 8310	5/30/07	6/1/07 21:51	NC	13797
Lead	<5.0	5.0		mg/Kg	1	SW6010B	6/4/07	6/6/07 20:09	BJK	13818



Date: 11-Jun-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C



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Date: 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
4-Bromofluorobenzene	89	59-131		%REC	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
1,2-Dichloroethane-d4	97	63-123		%REC	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Dibromofluoromethane	98	63-123		%REC	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C
Toluene-d8	93	64-120		%REC	1	SW8260B	5/25/07	5/30/07 2:57	BSP	GCMS_T_070529C



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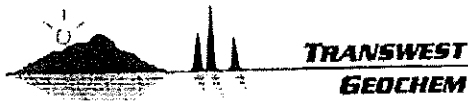
Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705626-05A-MS Batch ID: 13776 Test Code: 8015AZ Date Analyzed: 05/31/07 06:21 Client ID: HQ-UST-DIW-20' Units: mg/Kg Date Prepared: 5/29/07											
C10-C22 DRO	518	30	500		104%	70	130				
o-Terphenyl	11.2	N/A	10.0		112%	70	130				
Sample ID: 0705626-05A-MSD Batch ID: 13776 Test Code: 8015AZ Date Analyzed: 05/31/07 07:05 Client ID: HQ-UST-DIW-20' Units: mg/Kg Date Prepared: 5/29/07											
C10-C22 DRO	482	30	500		96%	70	130	518	7%	20	
o-Terphenyl	11.1	N/A	10.0		111%	70	130				
Sample ID: 0705566-01A-MS Batch ID: 13779 Test Code: EPA 8310 Date Analyzed: 06/02/07 05:40 Client ID: Units: mg/Kg Date Prepared: 5/29/07											
Acenaphthene	1.354	0.40	2.000		68%	70	130				M2
Acenaphthylene	3.025	0.40	4.000		76%	48	131				M1
Anthracene	0.2510	0.040	0.2000		126%	52	121				
Benz[a]anthracene	0.1720	0.040	0.2000		86%	55	123				
Benzo[a]pyrene	0.1480	0.010	0.2000		74%	53	115				
Benzo[b]fluoranthene	0.2950	0.040	0.4000		74%	70	130				
Benzo[g,h,i]perylene	0.2880	0.040	0.4000		72%	70	130				
Benzo[k]fluoranthene	0.1460	0.040	0.2000		73%	70	130				
Chrysene	0.1540	0.040	0.2000		77%	54	129				
Dibenz[a,h]anthracene	0.2800	0.040	0.4000		70%	70	130				
Fluoranthene	0.4710	0.040	0.4000	0.161	78%	47	138				
Fluorene	0.2850	0.040	0.4000		71%	70	130				
Indeno[1,2,3-cd]pyrene	0.1520	0.020	0.2000		76%	70	130				
Naphthalene	1.717	0.10	2.000	0.153	78%	51	112				
Phenanthrene	0.3560	0.080	0.2000	0.157	100%	45	133				
Pyrene	0.1630	0.040	0.2000		81%	51	123				
2-Chloroanthracene	0.9040	N/A	1.000		90%	51	125				



Date: 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705566-01A-MSD			Batch ID: 13779			Test Code: EPA 8310			Date Analyzed: 06/02/07 06:11		
Client ID:			Units: mg/Kg			Date Prepared: 5/29/07					
Acenaphthene	1.539	0.40	2.000		77%	70	130	1.354	13%	28	
Acenaphthylene	3.164	0.40	4.000		79%	48	131	3.025	4%	27	
Anthracene	0.2550	0.040	0.2000		128%	52	121	0.251	2%	35	M1
Benzo[a]anthracene	0.1680	0.040	0.2000		84%	55	123	0.172	2%	26	
Benzo[a]pyrene	0.1550	0.010	0.2000		78%	53	115	0.148	5%	27	
Benzo[b]fluoranthene	0.3070	0.040	0.4000		77%	70	130	0.295	4%	25	
Benzo[g,h,i]perylene	0.3030	0.040	0.4000		76%	70	130	0.288	5%	26	
Benzo[k]fluoranthene	0.1540	0.040	0.2000		77%	70	130	0.146	5%	25	
Chrysene	0.1600	0.040	0.2000		80%	54	129	0.154	4%	25	
Dibenz[a,h]anthracene	0.2910	0.040	0.4000		73%	70	130	0.28	4%	25	
Fluoranthene	0.4730	0.040	0.4000	0.161	78%	47	138	0.471	0%	33	
Fluorene	0.3140	0.040	0.4000		79%	70	130	0.285	10%	24	
Indeno[1,2,3-cd]pyrene	0.1590	0.020	0.2000		80%	70	130	0.152	5%	28	
Naphthalene	1.724	0.10	2.000	0.153	79%	51	112	1.717	0%	32	
Phenanthrene	0.3720	0.080	0.2000	0.157	108%	45	133	0.356	4%	28	
Pyrene	0.1640	0.040	0.2000		82%	51	123	0.163	1%	29	
2-Chloroanthracene	0.9410	N/A	1.000		94%	51	125				

Sample ID: 0705640-03A-MS			Batch ID: 13779			Test Code: EPA 8310			Date Analyzed: 06/01/07 23:25		
Client ID:			Units: mg/Kg			Date Prepared: 5/30/07					
Acenaphthene	1.551	0.40	2.000		78%	70	130				
Acenaphthylene	3.168	0.40	4.000		79%	48	131				
Anthracene	0.1590	0.040	0.2000		80%	52	121				
Benzo[a]anthracene	0.1640	0.040	0.2000		82%	55	123				
Benzo[a]pyrene	0.08700	0.010	0.2000		44%	53	115				M2
Benzo[b]fluoranthene	0.3210	0.040	0.4000		80%	70	130				
Benzo[g,h,i]perylene	0.2850	0.040	0.4000		71%	70	130				
Benzo[k]fluoranthene	0.1590	0.040	0.2000		80%	70	130				
Chrysene	0.1620	0.040	0.2000		81%	54	129				
Dibenz[a,h]anthracene	0.3010	0.040	0.4000		75%	70	130				
Fluoranthene	0.3310	0.040	0.4000		83%	47	138				
Fluorene	0.3100	0.040	0.4000		78%	70	130				
Indeno[1,2,3-cd]pyrene	0.1620	0.020	0.2000		81%	70	130				
Naphthalene	1.508	0.10	2.000		75%	51	112				
Phenanthrene	0.1610	0.080	0.2000		81%	45	133				
Pyrene	0.1500	0.040	0.2000		75%	51	123				
2-Chloroanthracene	0.7230	N/A	1.000		72%	51	125				



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Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual	
Sample ID: 0705640-03A-MSD		Batch ID: 13797		Test Code: EPA 8310			Date Analyzed: 06/01/07 23:56					
Client ID:					Units: mg/Kg			Date Prepared: 5/30/07				
Acenaphthene	1.566	0.40	2.000		78%	70	130	1.551	1%	28		
Acenaphthylene	3.183	0.40	4.000		80%	48	131	3.168	0%	27		
Anthracene	0.1600	0.040	0.2000		80%	52	121	0.159	1%	35		
Benz[a]anthracene	0.1630	0.040	0.2000		81%	55	123	0.164	1%	26		
Benzo[a]pyrene	0.1280	0.010	0.2000		64%	53	115	0.087	38%	27	R4	
Benzo[b]fluoranthene	0.3200	0.040	0.4000		80%	70	130	0.321	0%	25		
Benzo[g,h,i]perylene	0.3130	0.040	0.4000		78%	70	130	0.285	9%	26		
Benzo[k]fluoranthene	0.1580	0.040	0.2000		79%	70	130	0.159	1%	25		
Chrysene	0.1610	0.040	0.2000		81%	54	129	0.162	1%	25		
Dibenz[a,h]anthracene	0.3020	0.040	0.4000		76%	70	130	0.301	0%	25		
Fluoranthene	0.3310	0.040	0.4000		83%	47	138	0.331	0%	33		
Fluorene	0.3090	0.040	0.4000		77%	70	130	0.31	0%	24		
Indeno[1,2,3-cd]pyrene	0.1640	0.020	0.2000		82%	70	130	0.162	1%	28		
Naphthalene	1.528	0.10	2.000		76%	51	112	1.508	1%	32		
Phenanthrene	0.1580	0.080	0.2000		79%	45	133	0.161	2%	28		
Pyrene	0.1510	0.040	0.2000		76%	51	123	0.15	1%	29		
2-Chloroanthracene	0.7260	N/A	1.000		73%	51	125					
Sample ID: 0705626-05A-MS		Batch ID: 13818		Test Code: SW6010B			Date Analyzed: 06/06/07 20:31					
Client ID: HQ-UST-DIW-20'					Units: mg/Kg			Date Prepared: 6/4/07				
Lead	40.91	5.0	50.00		82%	75	125					
Sample ID: 0705626-05A-MSD		Batch ID: 13818		Test Code: SW6010B			Date Analyzed: 06/06/07 20:35					
Client ID: HQ-UST-DIW-20'					Units: mg/Kg			Date Prepared: 6/4/07				
Lead	42.44	5.0	50.00		85%	75	125	40.91	4%	20		



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Date: 11-Jun-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705626-01A-MS	Batch ID: GCMS_T_070529C		Test Code: SW8260B			Date Analyzed: 05/30/07 05:52					
Client ID: HQ-UST-DIE-10'	Units: mg/Kg					Date Prepared: 5/25/07					
Acetone	1.699	1.5	2.000		85%	39	147				
Benzene	0.8280	0.050	1.000		83%	70	130				
Bromobenzene	0.7830	0.25	1.000		78%	70	130				
Bromochloromethane	0.8665	0.050	1.000		87%	70	130				
Bromodichloromethane	0.8400	0.050	1.000		84%	70	130				
Bromoform	0.8050	0.10	1.000		81%	70	130				
Bromomethane	0.6930	0.50	1.000		69%	46	148				
2-Butanone	1.607	0.50	2.000		80%	49	122				
n-Butylbenzene	0.7630	0.25	1.000		76%	70	130				
sec-Butylbenzene	0.7695	0.25	1.000		77%	70	130				
tert-Butylbenzene	0.7880	0.25	1.000		79%	70	130				
Carbon disulfide	1.708	0.50	2.000		85%	40	124				
Carbon tetrachloride	0.8800	0.050	1.000		88%	70	130				
Chlorobenzene	0.7790	0.050	1.000		78%	70	130				
Dibromochloromethane	0.8100	0.050	1.000		81%	70	130				
Chloroethane	0.6635	0.50	1.000		66%	48	140				
Chloroform	0.8575	0.050	1.000		86%	70	130				
Chloromethane	0.4200	0.40	1.000		42%	23	147				
2-Chlorotoluene	0.7555	0.25	1.000		76%	70	130				
4-Chlorotoluene	0.7765	0.25	1.000		78%	70	130				
1,2-Dibromo-3-chloropropane	0.8825	0.50	1.000		88%	66	130				
1,2-Dibromoethane	0.8090	0.50	1.000		81%	70	130				
Dibromomethane	0.7980	0.25	1.000		80%	70	130				
1,2-Dichlorobenzene	0.7945	0.050	1.000		79%	70	130				
1,3-Dichlorobenzene	0.7785	0.050	1.000		78%	70	130				
1,4-Dichlorobenzene	0.7835	0.050	1.000		78%	70	130				
Dichlorodifluoromethane	0.1665	0.15	1.000		17%	8	164				
1,1-Dichloroethane	0.8445	0.050	1.000		84%	55	135				
1,2-Dichloroethane	0.8645	0.050	1.000		86%	70	130				
1,1-Dichloroethene	0.8100	0.10	1.000		81%	50	132				
cis-1,2-Dichloroethene	0.8160	0.050	1.000		82%	63	126				
trans-1,2-Dichloroethene	0.7565	0.050	1.000		76%	58	123				
1,2-Dichloropropane	0.7990	0.050	1.000		80%	70	130				
1,3-Dichloropropane	0.7860	0.25	1.000		79%	70	130				
2,2-Dichloropropane	0.7270	0.25	1.000		73%	55	125				
1,1-Dichloropropene	0.8080	0.25	1.000		81%	70	130				
cis-1,3-Dichloropropene	0.8330	0.050	1.000		83%	70	130				
trans-1,3-Dichloropropene	0.8285	0.050	1.000		83%	70	130				
Ethylbenzene	0.7810	0.10	1.000		78%	70	130				
Hexachlorobutadiene	0.8255	0.50	1.000		83%	70	130				
2-Hexanone	1.624	0.50	2.000		81%	70	130				
Iodomethane	1.631	0.50	2.000		82%	42	109				



**TRANSWEST
GEOCHEM**

Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.7765	0.25	1.000		78%	70	130				
4-Isopropyltoluene	0.8075	0.25	1.000		81%	70	130				
Methylene chloride	0.8005	0.50	1.000		80%	51	134				
4-Methyl-2-pentanone	1.732	0.50	2.000		87%	60	130				
Methyl tert-butyl ether	1.683	0.25	2.000		84%	70	130				
Naphthalene	0.8000	0.25	1.000		80%	62	132				
n-Propylbenzene	0.7545	0.25	1.000		75%	64	124				
Styrene	0.7950	0.25	1.000		80%	70	130				
1,1,1,2-Tetrachloroethane	0.8395	0.25	1.000		84%	70	130				
1,1,2,2-Tetrachloroethane	0.7435	0.10	1.000		74%	66	126				
Tetrachloroethene	0.8110	0.050	1.000		81%	62	125				
Toluene	0.7815	0.10	1.000		78%	63	124				
1,2,3-Trichlorobenzene	0.7720	0.25	1.000		77%	57	127				
1,2,4-Trichlorobenzene	0.7985	0.25	1.000		80%	70	130				
1,1,1-Trichloroethane	0.8600	0.050	1.000		86%	70	130				
1,1,2-Trichloroethane	0.7700	0.050	1.000		77%	70	130				
Trichloroethene	0.8860	0.050	1.000		89%	70	130				
Trichlorofluoromethane	0.7015	0.50	1.000		70%	42	137				
1,2,3-Trichloropropane	0.8790	0.25	1.000		88%	70	130				
1,2,4-Trimethylbenzene	0.7900	0.25	1.000		79%	70	130				
1,3,5-Trimethylbenzene	0.8005	0.25	1.000		80%	66	127				
Vinyl acetate	0.4265	0.40	2.000		21%	32	133				M2
Vinyl chloride	0.7020	0.50	1.000		70%	32	150				
Xylenes, Total	2.3535	0.15	3.000		78%	70	130				
4-Bromofluorobenzene	2.080	N/A	2.500		83%	59	131				
1,2-Dichloroethane-d4	2.247	N/A	2.500		90%	63	123				
Dibromofluoromethane	2.251	N/A	2.500		90%	63	123				
Toluene-d8	2.145	N/A	2.500		86%	64	120				



**TRANSWEST
GEDCHEM**

Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0705626-01A-MSD	Batch ID: GCMS_T_070529C		Test Code: SW8260B			Date Analyzed: 05/30/07 06:36					
Client ID: HQ-UST-DIE-10'	Units: mg/Kg			Date Prepared: 5/25/07							
Acetone	2.035	1.5	2.000		102%	39	147	1.699	18%	38	
Benzene	0.8525	0.050	1.000		85%	70	130	0.828	3%	20	
Bromobenzene	0.8060	0.25	1.000		81%	70	130	0.783	3%	20	
Bromochloromethane	0.9280	0.050	1.000		93%	70	130	0.8665	7%	24	
Bromodichloromethane	0.8555	0.050	1.000		86%	70	130	0.84	2%	20	
Bromoform	0.8080	0.10	1.000		81%	70	130	0.805	0%	20	
Bromomethane	0.7640	0.50	1.000		76%	46	148	0.693	10%	31	
2-Butanone	1.848	0.50	2.000		92%	49	122	1.607	14%	29	
n-Butylbenzene	0.7820	0.25	1.000		78%	70	130	0.763	2%	20	
sec-Butylbenzene	0.7950	0.25	1.000		80%	70	130	0.7695	3%	20	
tert-Butylbenzene	0.8280	0.25	1.000		83%	70	130	0.788	5%	20	
Carbon disulfide	2.074	0.50	2.000		104%	40	124	1.708	19%	27	
Carbon tetrachloride	0.9145	0.050	1.000		91%	70	130	0.88	4%	20	
Chlorobenzene	0.8010	0.050	1.000		80%	70	130	0.779	3%	20	
Dibromochloromethane	0.8245	0.050	1.000		82%	70	130	0.81	2%	20	
Chloroethane	0.7490	0.50	1.000		75%	48	140	0.6635	12%	28	
Chloroform	0.8860	0.050	1.000		89%	70	130	0.8575	3%	20	
Chloromethane	0.4425	0.40	1.000		44%	23	147	0.42	5%	28	
2-Chlorotoluene	0.7865	0.25	1.000		79%	70	130	0.7555	4%	23	
4-Chlorotoluene	0.7980	0.25	1.000		80%	70	130	0.7765	3%	23	
1,2-Dibromo-3-chloropropane	0.9335	0.50	1.000		93%	66	130	0.8825	6%	23	
1,2-Dibromoethane	0.8225	0.50	1.000		82%	70	130	0.809	2%	20	
Dibromomethane	0.8400	0.25	1.000		84%	70	130	0.798	5%	20	
1,2-Dichlorobenzene	0.8140	0.050	1.000		81%	70	130	0.7945	2%	20	
1,3-Dichlorobenzene	0.8070	0.050	1.000		81%	70	130	0.7785	4%	20	
1,4-Dichlorobenzene	0.8075	0.050	1.000		81%	70	130	0.7835	3%	20	
Dichlorodifluoromethane	0.1805	0.15	1.000		18%	8	164	0.1665	8%	35	
1,1-Dichloroethane	0.8895	0.050	1.000		89%	55	135	0.8445	5%	24	
1,2-Dichloroethane	0.9080	0.050	1.000		91%	70	130	0.8645	5%	20	
1,1-Dichloroethene	0.8835	0.10	1.000		88%	50	132	0.81	9%	30	
cis-1,2-Dichloroethene	0.8595	0.050	1.000		86%	63	126	0.816	5%	22	
trans-1,2-Dichloroethene	0.8900	0.050	1.000		89%	58	123	0.7565	16%	24	
1,2-Dichloropropane	0.8305	0.050	1.000		83%	70	130	0.799	4%	20	
1,3-Dichloropropane	0.7885	0.25	1.000		79%	70	130	0.786	0%	20	
2,2-Dichloropropane	0.7600	0.25	1.000		76%	55	125	0.727	4%	21	
1,1-Dichloropropene	0.8575	0.25	1.000		86%	70	130	0.808	6%	20	
cis-1,3-Dichloropropene	0.8315	0.050	1.000		83%	70	130	0.833	0%	20	
trans-1,3-Dichloropropene	0.8250	0.050	1.000		83%	70	130	0.8285	0%	20	
Ethylbenzene	0.7910	0.10	1.000		79%	70	130	0.781	1%	20	
Hexachlorobutadiene	0.8430	0.50	1.000		84%	70	130	0.8255	2%	20	
2-Hexanone	1.823	0.50	2.000		91%	70	130	1.624	12%	24	
Iodomethane	1.844	0.50	2.000		92%	42	109	1.631	12%	26	



**TRANSWEST
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Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.8030	0.25	1.000		80%	70	130	0.7765	3%	20	
4-Isopropyltoluene	0.8350	0.25	1.000		84%	70	130	0.8075	3%	20	
Methylene chloride	0.8470	0.50	1.000		85%	51	134	0.8005	6%	26	
4-Methyl-2-pentanone	1.867	0.50	2.000		93%	60	130	1.732	8%	25	
Methyl tert-butyl ether	1.809	0.25	2.000		90%	70	130	1.683	7%	20	
Naphthalene	0.8920	0.25	1.000		89%	62	132	0.8	11%	33	
n-Propylbenzene	0.7800	0.25	1.000		78%	64	124	0.7545	3%	21	
Styrene	0.8085	0.25	1.000		81%	70	130	0.795	2%	20	
1,1,1,2-Tetrachloroethane	0.8275	0.25	1.000		83%	70	130	0.8395	1%	20	
1,1,2,2-Tetrachloroethane	0.7970	0.10	1.000		80%	66	126	0.7435	7%	25	
Tetrachloroethene	0.8365	0.050	1.000		84%	62	125	0.811	3%	22	
Toluene	0.7920	0.10	1.000		79%	63	124	0.7815	1%	22	
1,2,3-Trichlorobenzene	0.8305	0.25	1.000		83%	57	127	0.772	7%	35	
1,2,4-Trichlorobenzene	0.8525	0.25	1.000		85%	70	130	0.7985	7%	23	
1,1,1-Trichloroethane	0.9205	0.050	1.000		92%	70	130	0.86	7%	20	
1,1,2-Trichloroethane	0.7945	0.050	1.000		79%	70	130	0.77	3%	20	
Trichloroethene	0.9185	0.050	1.000		92%	70	130	0.886	4%	21	
Trichlorofluoromethane	0.7240	0.50	1.000		72%	42	137	0.7015	3%	29	
1,2,3-Trichloropropane	0.9320	0.25	1.000		93%	70	130	0.879	6%	21	
1,2,4-Trimethylbenzene	0.8210	0.25	1.000		82%	70	130	0.79	4%	20	
1,3,5-Trimethylbenzene	0.8225	0.25	1.000		82%	66	127	0.8005	3%	21	
Vinyl acetate	0.4605	0.45	2.000		23%	32	133	0.4265	8%	34	M2
Vinyl chloride	0.6720	0.50	1.000		67%	32	150	0.702	4%	32	
Xylenes, Total	2.395	0.15	3.000		80%	70	130	2.353	2%	20	
4-Bromofluorobenzene	2.042	N/A	2.500		82%	59	131				
1,2-Dichloroethane-d4	2.257	N/A	2.500		90%	63	123				
Dibromofluoromethane	2.266	N/A	2.500		91%	63	123				
Toluene-d8	2.123	N/A	2.500		85%	64	120				



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Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
 Laboratory Fortified Blank

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LFB-13776		Batch ID: 13776		Test Code: 8015AZ			Date Analyzed: 05/29/07 11:12				
				Units: mg/Kg			Date Prepared: 5/29/07				
C10-C22 DRO	537	30	500		107%	70	130				
o-Terphenyl	11.0	N/A	10.0		110%	70	130				
Sample ID: LFBD-13776		Batch ID: 13776		Test Code: 8015AZ			Date Analyzed: 05/29/07 11:56				
				Units: mg/Kg			Date Prepared: 5/29/07				
C10-C22 DRO	518	30	500		104%	70	130	537	4%	20	
o-Terphenyl	11.0	N/A	10.0		110%	70	130				
Sample ID: LCS-13779		Batch ID: 13779		Test Code: EPA 8310			Date Analyzed: 06/02/07 04:38				
				Units: mg/Kg			Date Prepared: 5/29/07				
Acenaphthene	1.481	0.40	2.000		74%	70	130				
Acenaphthylene	2.965	0.40	4.000		74%	70	130				
Anthracene	0.1520	0.040	0.2000		76%	70	130				
Benz[a]anthracene	0.1470	0.040	0.2000		74%	70	130				
Benzo[a]pyrene	0.1490	0.010	0.2000		75%	70	130				
Benzo[b]fluoranthene	0.2970	0.040	0.4000		74%	70	130				
Benzo[g,h,i]perylene	0.2830	0.040	0.4000		71%	70	130				
Benzo[k]fluoranthene	0.1480	0.040	0.2000		74%	70	130				
Chrysene	0.1490	0.040	0.2000		75%	70	130				
Dibenz[a,h]anthracene	0.2800	0.040	0.4000		70%	70	130				
Fluoranthene	0.3060	0.040	0.4000		77%	70	130				
Fluorene	0.2840	0.040	0.4000		71%	70	130				
Indeno[1,2,3-cd]pyrene	0.1530	0.020	0.2000		77%	70	130				
Naphthalene	1.427	0.10	2.000		71%	70	130				
Phenanthrene	0.1480	0.080	0.2000		74%	70	130				
Pyrene	0.1390	0.040	0.2000		70%	70	130				
2-Chloroanthracene	0.8020	N/A	1.000		80%	51	125				



**TRANSWEST
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Date: 11-Jun-07

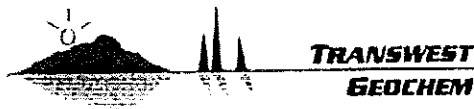
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS-13797	Batch ID: 13797		Test Code: EPA 8310			Date Analyzed: 06/07/07 18:33		Date Prepared: 5/30/07			
						Units: mg/Kg					
Acenaphthene	1.402	0.40	2.000		70%	70	130				
Acenaphthylene	2.866	0.40	4.000		72%	70	130				
Anthracene	0.1600	0.040	0.2000		80%	70	130				
Benz[a]anthracene	0.1530	0.040	0.2000		77%	70	130				
Benzo[a]pyrene	0.1510	0.010	0.2000		76%	70	130				
Benzo[b]fluoranthene	0.2960	0.040	0.4000		74%	70	130				
Benzo[g,h,i]perylene	0.3060	0.040	0.4000		77%	70	130				
Benzo[k]fluoranthene	0.1480	0.040	0.2000		74%	70	130				
Chrysene	0.1490	0.040	0.2000		75%	70	130				
Dibenz[a,h]anthracene	0.2790	0.040	0.4000		70%	70	130				
Fluoranthene	0.3050	0.040	0.4000		76%	70	130				
Fluorene	0.2950	0.040	0.4000		74%	70	130				
Indeno[1,2,3-cd]pyrene	0.1560	0.020	0.2000		78%	70	130				
Naphthalene	1.367	0.10	2.000		68%	70	130				L2
Phenanthrene	0.1500	0.080	0.2000		75%	70	130				
Pyrene	0.1420	0.040	0.2000		71%	70	130				
2-Chloroanthracene	0.6520	N/A	1.000		65%	51	125				

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD-13779	Batch ID: 13779		Test Code: EPA 8310			Date Analyzed: 06/02/07 05:09		Date Prepared: 5/29/07			
						Units: mg/Kg					
Acenaphthene	1.675	0.40	2.000		84%	70	130	1.481	12%	20	
Acenaphthylene	3.316	0.40	4.000		83%	70	130	2.965	11%	20	
Anthracene	0.1700	0.040	0.2000		85%	70	130	0.152	11%	20	
Benz[a]anthracene	0.1640	0.040	0.2000		82%	70	130	0.147	11%	20	
Benzo[a]pyrene	0.1680	0.010	0.2000		84%	70	130	0.149	12%	22	
Benzo[b]fluoranthene	0.3330	0.040	0.4000		83%	70	130	0.297	11%	20	
Benzo[g,h,i]perylene	0.3200	0.040	0.4000		80%	70	130	0.283	12%	20	
Benzo[k]fluoranthene	0.1660	0.040	0.2000		83%	70	130	0.148	11%	20	
Chrysene	0.1680	0.040	0.2000		84%	70	130	0.149	12%	20	
Dibenz[a,h]anthracene	0.3160	0.040	0.4000		79%	70	130	0.28	12%	20	
Fluoranthene	0.3460	0.040	0.4000		87%	70	130	0.306	12%	21	
Fluorene	0.3180	0.040	0.4000		87%	70	130	0.284	11%	20	
Indeno[1,2,3-cd]pyrene	0.1740	0.020	0.2000		80%	70	130	0.153	13%	20	
Naphthalene	1.597	0.10	2.000		80%	70	130	1.427	11%	20	
Phenanthrene	0.1650	0.080	0.2000		83%	70	130	0.148	11%	20	
Pyrene	0.1540	0.040	0.2000		77%	70	130	0.139	10%	25	
2-Chloroanthracene	0.9510	N/A	1.000		95%	51	125				



Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705626
 Project: TFD UST

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD-13797			Batch ID: 13797			Test Code: EPA 8310			Date Analyzed: 06/07/07 19:04		
						Units: mg/Kg			Date Prepared: 5/30/07		
Acenaphthene	1.415	0.40	2.000		71%	70	130	1.402	1%	20	
Acenaphthylene	2.924	0.40	4.000		73%	70	130	2.866	2%	20	
Anthracene	0.1590	0.040	0.2000		80%	70	130	0.16	1%	20	
Benz[a]anthracene	0.1520	0.040	0.2000		76%	70	130	0.153	1%	20	
Benzo[a]pyrene	0.1530	0.010	0.2000		77%	70	130	0.151	1%	22	
Benzo[b]fluoranthene	0.2950	0.040	0.4000		74%	70	130	0.296	0%	20	
Benzo[g,h,i]perylene	0.3060	0.040	0.4000		77%	70	130	0.306	0%	20	
Benzo[k]fluoranthene	0.1480	0.040	0.2000		74%	70	130	0.148	0%	20	
Chrysene	0.1480	0.040	0.2000		74%	70	130	0.149	1%	20	
Dibenz[a,h]anthracene	0.2780	0.040	0.4000		70%	70	130	0.279	0%	20	
Fluoranthene	0.2960	0.040	0.4000		74%	70	130	0.305	3%	21	
Fluorene	0.2940	0.040	0.4000		74%	70	130	0.295	0%	20	
Indeno[1,2,3-cd]pyrene	0.1580	0.020	0.2000		79%	70	130	0.156	1%	20	
Naphthalene	1.399	0.10	2.000		70%	70	130	1.367	2%	20	
Phenanthrene	0.1500	0.080	0.2000		75%	70	130	0.15	0%	20	
Pyrene	0.1550	0.040	0.2000		78%	70	130	0.142	9%	25	
2-Chloroanthracene	0.7050	N/A	1.000		71%	51	125				
Sample ID: LCS-13818			Batch ID: 13818			Test Code: SW6010B			Date Analyzed: 06/06/07 20:13		
						Units: mg/Kg			Date Prepared: 6/4/07		
Lead	46.93	5.0	50.00		94%	80	120				
Sample ID: LCSD-13818			Batch ID: 13818			Test Code: SW6010B			Date Analyzed: 06/06/07 20:16		
						Units: mg/Kg			Date Prepared: 6/4/07		
Lead	48.32	5.0	50.00		97%	80	120	46.93	3%	20	



**TRANSWEST
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Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0705626
Project: TFD UST

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS 5/25	Batch ID: GCMS_T_070529C		Test Code: SW8260B			Date Analyzed: 05/30/07 03:41		Date Prepared: 5/25/07			
	Units: mg/Kg										
Acetone	2.269	1.5	2.000		113%	45	152				
Benzene	0.9470	0.050	1.000		95%	70	130				
Bromobenzene	0.8740	0.25	1.000		87%	70	130				
Bromochloromethane	0.9910	0.050	1.000		99%	70	130				
Bromodichloromethane	0.9280	0.050	1.000		93%	70	130				
Bromoform	0.8805	0.10	1.000		88%	70	130				
Bromomethane	0.7935	0.50	1.000		79%	51	147				
2-Butanone	1.934	0.50	2.000		97%	47	131				
n-Butylbenzene	0.8225	0.25	1.000		82%	70	130				
sec-Butylbenzene	0.8420	0.25	1.000		84%	70	130				
tert-Butylbenzene	0.8650	0.25	1.000		87%	70	130				
Carbon disulfide	2.150	0.50	2.000		108%	45	127				
Carbon tetrachloride	0.9730	0.050	1.000		97%	70	130				
Chlorobenzene	0.8670	0.050	1.000		87%	70	130				
Dibromochloromethane	0.9140	0.050	1.000		91%	70	130				
Chloroethane	0.8300	0.50	1.000		83%	54	138				
Chloroform	0.9790	0.050	1.000		98%	70	130				
Chloromethane	0.5125	0.50	1.000		51%	28	149				
2-Chlorotoluene	0.8465	0.25	1.000		85%	70	130				
4-Chlorotoluene	0.8460	0.25	1.000		85%	70	130				
1,2-Dibromo-3-chloropropane	1.006	0.50	1.000		101%	70	130				
1,2-Dibromoethane	0.9085	0.50	1.000		91%	70	130				
Dibromomethane	0.9190	0.25	1.000		92%	70	130				
1,2-Dichlorobenzene	0.8710	0.050	1.000		87%	70	130				
1,3-Dichlorobenzene	0.8600	0.050	1.000		86%	70	130				
1,4-Dichlorobenzene	0.8555	0.050	1.000		86%	70	130				
Dichlorodifluoromethane	0.1955	0.15	1.000		20%	13	153				
1,1-Dichloroethane	0.9835	0.050	1.000		98%	66	130				
1,2-Dichloroethane	0.9810	0.050	1.000		98%	70	130				
1,1-Dichloroethene	0.9575	0.10	1.000		96%	59	130				
cis-1,2-Dichloroethene	0.9520	0.050	1.000		95%	70	130				
trans-1,2-Dichloroethene	0.9220	0.050	1.000		92%	63	123				
1,2-Dichloropropane	0.9360	0.050	1.000		94%	70	130				
1,3-Dichloropropane	0.8830	0.25	1.000		88%	70	130				
2,2-Dichloropropane	0.8675	0.25	1.000		87%	60	139				
1,1-Dichloropropene	0.9385	0.25	1.000		94%	70	130				
cis-1,3-Dichloropropene	0.9480	0.050	1.000		95%	70	130				
trans-1,3-Dichloropropene	0.9235	0.050	1.000		92%	70	130				
Ethylbenzene	0.8680	0.10	1.000		87%	70	130				
Hexachlorobutadiene	0.8775	0.50	1.000		88%	70	130				
2-Hexanone	2.007	0.50	2.000		100%	70	130				
Iodomethane	1.973	0.50	2.000		99%	41	124				



**TRANSWEST
GEOCHEM**

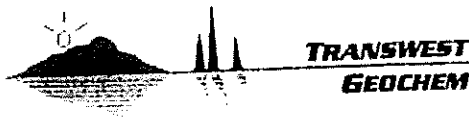
Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705626
 Project: TFD UST

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.8695	0.25	1.000		87%	70	130				
4-Isopropyltoluene	0.8660	0.25	1.000		87%	70	130				
Methylene chloride	0.9100	0.50	1.000		91%	54	140				
4-Methyl-2-pentanone	2.059	0.50	2.000		103%	70	130				
Methyl tert-butyl ether	1.975	0.25	2.000		99%	68	139				
Naphthalene	0.9245	0.25	1.000		92%	68	131				
n-Propylbenzene	0.8365	0.25	1.000		84%	70	130				
Styrene	0.8945	0.25	1.000		89%	70	130				
1,1,1,2-Tetrachloroethane	0.9150	0.25	1.000		92%	70	130				
1,1,2,2-Tetrachloroethane	0.8785	0.10	1.000		88%	70	130				
Tetrachloroethene	0.8790	0.050	1.000		88%	70	130				
Toluene	0.8755	0.10	1.000		88%	70	130				
1,2,3-Trichlorobenzene	0.8545	0.25	1.000		85%	64	133				
1,2,4-Trichlorobenzene	0.8580	0.25	1.000		86%	70	130				
1,1,1-Trichloroethane	0.9945	0.050	1.000		99%	70	130				
1,1,2-Trichloroethane	0.8830	0.050	1.000		88%	70	130				
Trichloroethene	0.9965	0.050	1.000		100%	70	130				
Trichlorofluoromethane	0.7855	0.50	1.000		79%	49	135				
1,2,3-Trichloropropane	1.015	0.25	1.000		102%	70	130				
1,2,4-Trimethylbenzene	0.8780	0.25	1.000		88%	70	130				
1,3,5-Trimethylbenzene	0.8760	0.25	1.000		88%	70	130				
Vinyl acetate	0.7590	0.50	2.000		38%	41	142				L2
Vinyl chloride	0.7225	0.50	1.000		72%	37	148				
Xylenes, Total	2.602	0.15	3.000		87%	70	130				
4-Bromofluorobenzene	2.330	N/A	2.500		93%	59	131				
1,2-Dichloroethane-d4	2.601	N/A	2.500		104%	63	123				
Dibromofluoromethane	2.591	N/A	2.500		104%	63	123				
Toluene-d8	2.441	N/A	2.500		98%	64	120				



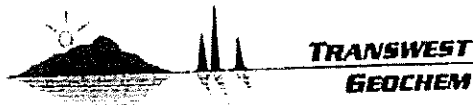
Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705626
 Project: TFD UST

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS D 5/25	Batch ID: GCMS_T_070529C	Test Code: SW8260B		Date Analyzed: 05/30/07 04:25		Date Prepared: 5/25/07					
					Units: mg/Kg						
Acetone	2.156	1.5	2.000		108%	45	152	2.269	5%	34	
Benzene	0.9005	0.050	1.000		90%	70	130	0.947	5%	20	
Bromobenzene	0.8575	0.25	1.000		86%	70	130	0.874	2%	20	
Bromochloromethane	0.9625	0.050	1.000		96%	70	130	0.991	3%	23	
Bromodichloromethane	0.8690	0.050	1.000		87%	70	130	0.928	7%	20	
Bromoform	0.8690	0.10	1.000		87%	70	130	0.8805	1%	20	
Bromomethane	0.7885	0.50	1.000		79%	51	147	0.7935	1%	30	
2-Butanone	1.819	0.50	2.000		91%	47	131	1.934	6%	31	
n-Butylbenzene	0.8285	0.25	1.000		83%	70	130	0.8225	1%	20	
sec-Butylbenzene	0.8435	0.25	1.000		84%	70	130	0.842	0%	20	
tert-Butylbenzene	0.8710	0.25	1.000		87%	70	130	0.865	1%	20	
Carbon disulfide	2.045	0.50	2.000		102%	45	127	2.15	5%	25	
Carbon tetrachloride	0.9630	0.050	1.000		96%	70	130	0.973	1%	20	
Chlorobenzene	0.8400	0.050	1.000		84%	70	130	0.867	3%	20	
Dibromochloromethane	0.8595	0.050	1.000		86%	70	130	0.914	6%	20	
Chloroethane	0.7565	0.50	1.000		76%	54	138	0.83	9%	28	
Chloroform	0.9275	0.050	1.000		93%	70	130	0.979	5%	20	
Chloromethane	0.4855	0.45	1.000		49%	28	149	0.5125	5%	30	
2-Chlorotoluene	0.8405	0.25	1.000		84%	70	130	0.8465	1%	21	
4-Chlorotoluene	0.8410	0.25	1.000		84%	70	130	0.846	1%	20	
1,2-Dibromo-3-chloropropane	1.001	0.50	1.000		100%	70	130	1.006	0%	20	
1,2-Dibromoethane	0.8735	0.50	1.000		87%	70	130	0.9085	4%	20	
Dibromomethane	0.8960	0.25	1.000		90%	70	130	0.919	3%	20	
1,2-Dichlorobenzene	0.8635	0.050	1.000		86%	70	130	0.871	1%	20	
1,3-Dichlorobenzene	0.8590	0.050	1.000		86%	70	130	0.86	0%	20	
1,4-Dichlorobenzene	0.8545	0.050	1.000		85%	70	130	0.8555	0%	20	
Dichlorodifluoromethane	0.2115	0.20	1.000		21%	13	153	0.1955	8%	27	
1,1-Dichloroethane	0.9345	0.050	1.000		93%	66	130	0.9835	5%	20	
1,2-Dichloroethane	0.9225	0.050	1.000		92%	70	130	0.981	6%	20	
1,1-Dichloroethene	0.9065	0.10	1.000		91%	59	130	0.9575	5%	25	
cis-1,2-Dichloroethene	0.8925	0.050	1.000		89%	70	130	0.952	6%	20	
trans-1,2-Dichloroethene	0.8830	0.050	1.000		88%	63	123	0.922	4%	20	
1,2-Dichloropropane	0.8860	0.050	1.000		89%	70	130	0.936	5%	20	
1,3-Dichloropropane	0.8360	0.25	1.000		84%	70	130	0.883	5%	20	
2,2-Dichloropropane	0.8270	0.25	1.000		83%	60	139	0.8675	5%	20	
1,1-Dichloropropene	0.8795	0.25	1.000		88%	70	130	0.9385	6%	20	
cis-1,3-Dichloropropene	0.9050	0.050	1.000		91%	70	130	0.948	5%	20	
trans-1,3-Dichloropropene	0.8980	0.050	1.000		90%	70	130	0.9235	3%	20	
Ethylbenzene	0.8330	0.10	1.000		83%	70	130	0.868	4%	20	
Hexachlorobutadiene	0.8745	0.50	1.000		87%	70	130	0.8775	0%	20	
2-Hexanone	1.942	0.50	2.000		97%	70	130	2.007	3%	21	
Iodomethane	1.857	0.50	2.000		93%	41	124	1.973	6%	26	



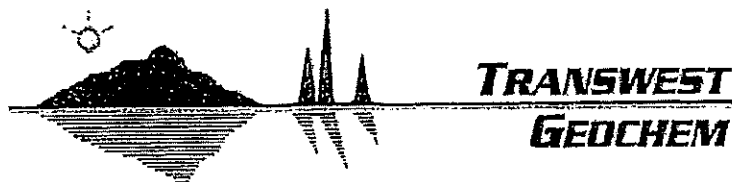
Date: 11-Jun-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0705626
 Project: TFD UST

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.8405	0.25	1.000		84%	70	130	0.8695	3%	20	
4-Isopropyltoluene	0.8815	0.25	1.000		88%	70	130	0.866	2%	20	
Methylene chloride	0.8710	0.50	1.000		87%	54	140	0.91	4%	26	
4-Methyl-2-pentanone	1.974	0.50	2.000		99%	70	130	2.059	4%	23	
Methyl tert-butyl ether	1.902	0.25	2.000		95%	68	139	1.975	4%	20	
Naphthalene	0.9505	0.25	1.000		95%	68	131	0.9245	3%	22	
n-Propylbenzene	0.8370	0.25	1.000		84%	70	130	0.8365	0%	20	
Styrene	0.8600	0.25	1.000		86%	70	130	0.8945	4%	20	
1,1,1,2-Tetrachloroethane	0.8975	0.25	1.000		90%	70	130	0.915	2%	20	
1,1,2,2-Tetrachloroethane	0.8195	0.10	1.000		82%	70	130	0.8785	7%	20	
Tetrachloroethene	0.8810	0.050	1.000		88%	70	130	0.879	0%	20	
Toluene	0.8355	0.10	1.000		84%	70	130	0.8755	5%	20	
1,2,3-Trichlorobenzene	0.8965	0.25	1.000		90%	64	133	0.8545	5%	24	
1,2,4-Trichlorobenzene	0.8890	0.25	1.000		89%	70	130	0.858	4%	20	
1,1,1-Trichloroethane	0.9405	0.050	1.000		94%	70	130	0.9945	6%	20	
1,1,2-Trichloroethane	0.8460	0.050	1.000		85%	70	130	0.883	4%	20	
Trichloroethene	0.9420	0.050	1.000		94%	70	130	0.9965	6%	20	
Trichlorofluoromethane	0.7895	0.50	1.000		79%	49	135	0.7855	1%	28	
1,2,3-Trichloropropane	0.9820	0.25	1.000		98%	70	130	1.015	3%	20	
1,2,4-Trimethylbenzene	0.8690	0.25	1.000		87%	70	130	0.878	1%	20	
1,3,5-Trimethylbenzene	0.8835	0.25	1.000		88%	70	130	0.876	1%	20	
Vinyl acetate	0.5475	0.50	2.000		27%	41	142	0.759	32%	27	L2,R2
Vinyl chloride	0.7180	0.50	1.000		72%	37	148	0.7225	1%	30	
Xylenes, Total	2.5205	0.15	3.000		84%	70	130	2.602	3%	20	
4-Bromofluorobenzene	2.199	N/A	2.500		88%	59	131				
1,2-Dichloroethane-d4	2.409	N/A	2.500		96%	63	123				
Dibromofluoromethane	2.405	N/A	2.500		96%	63	123				
Toluene-d8	2.293	N/A	2.500		92%	64	120				



Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 5-24-07/440

Work Order Number: 0705626

Checked by: Z

Checklist completed by: Wray A 5-24-07
Signature / Date

Logged In by: SH 5/24/07
Initials / Date

Matrix: Soil Carrier Name: Client (TGI)

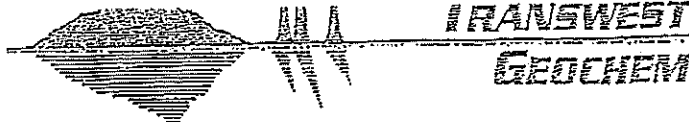
Reviewed by: MO 5/25/07
Initials / Date

				<u>COMMENTS</u>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temp: <u>2.1</u>	Sampled < 2hrs <input type="checkbox"/>
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Checked by: _____
Water - Sulfides present in Cyanide samples?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Samples considered Drinking Water for metal analysis?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



Sample Receipt Checklist

Client Name: EFC Date and Time Received: 5/24/07 11:15
 Work Order Number: 0705626 Received by: Keith Kivola
 Checklist completed by: Keith K. 5/24/07 Logged In by: _____
Signature / Date Initials / Date
 Matrix: Soil Carrier Name: Client Reviewed by: _____
Initials / Date

COMMENTS

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temp: <u>5.6°C</u>
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Water - Sulfides present in Cyanide samples?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

Adjusted? _____ Checked by: _____

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____

Chain of Custody

3725 E. Atlanta Ave.
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

3860 S. Palo Verde Rd., Ste. 301
Tucson, Arizona 85714
Phone: (520) 573-1061
Fax: (520) 573-1063

TGI Work Order No: 0705626

Date 5/23/07 Page 1 of 2



Project Manager: Kevin Pearce
Client Name: REC
Address: 4625 E. F. Lowell Rd
City, State, Zip: Tucson AZ 85712
Phone: 520-321-4625 Fax: 520-321-0333

Bill To: City of Tucson - Enviro-Service
Company:
Address:
City, State, Zip:
Phone: Fax:

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers		TPH. (8015AZR.1)	BTEX (8021B)	Volatile Organics GCMS (624/8260B)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA (8310)	8 RCRA Metals	Total lead	U.S.T Sample	next 48-hr extraction	Added per K Pierce 5/31/07 JAD	Comments
					Yes	No														
HQ-U.S.T-DIE-10'	soil	5/23/07	0803	01	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
HQ-U.S.T-DIE-20'			0825	02	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-DIE-30'			0825	03	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-DIW-10'			0835	04	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-DIW-20'			1000	05	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-DIW-30'			1423	06	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-DIW-40'			1450	07	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-S24A-15'			1216	08	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-S24A-20'			1230	09	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-S24A-30'			1310	10	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-S24A-40'			0805	11	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			
HQ-U.S.T-S24A-50'			0850	12	1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⊗			

SAMPLE RECEIPT

Temperature: 5.6°C Ice: Present
 Received Intact: Yes No N/A Absent Present
 Custody Seals: Yes (NO) N/A (Met) Blue
 Total No. of Containers: 12

Relinquished by: (Signature) Kevin A. Pearce (Print Name) Kevin A. Pearce Received by: (Signature) Keith Kanoka (Print Name) Keith Kanoka Date / Time 5/24/07 11:15

Relinquished by: (Signature) Keith Kanoka (Print Name) Keith Kanoka Received by: (Signature) Keith Kanoka (Print Name) Keith Kanoka Date / Time 5/24/07 12:00

Relinquished by: (Signature) Keith Kanoka (Print Name) Keith Kanoka Received by: (Signature) Keith Kanoka (Print Name) Keith Kanoka Date / Time 5-24-07 1440

Chain of Custody

3860 S. Palo Verde Rd., Ste. 301
 Tucson, Arizona 85714
 Phone: (520) 573-1061
 Fax: (520) 573-1063

3725 E. Atlanta Ave.
 Phoenix, Arizona 85040
 Phone: (602) 437-0330
 Fax: (602) 437-0660

**TRANSWEST
 GEOCHEM**

TGI Work Order No: 0705626

Date 5/24/07 Page 2 of 2

Project Manager: Karin Price
 Client Name: FEC
 Address: 4635 E. Fox Lowell RA
 City, State, Zip: Tucson AZ 85713
 Phone: 520-321-4635 Fax: 21-0373

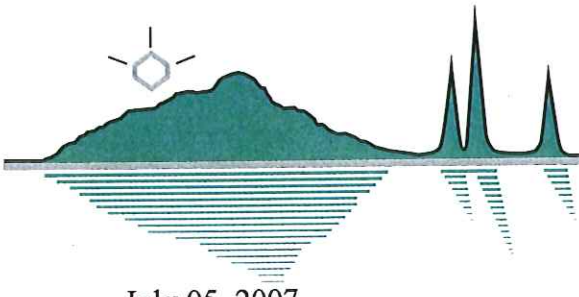
Bill To: City of Tucson - Leave Sewered
 Company:
 Address:
 City, State, Zip:
 Phone: Fax:

SAMPLE RECEIPT			Ice: Absent <input type="checkbox"/> Present <input checked="" type="checkbox"/>	Time Sampled	Lab ID	Comments
Temperature:	Received Intact:	Custody Seals:				
	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet/Blue			
Total No. of Containers: 1						
Sample Identification						
HQ-UST-524A-62	SOL	5/24/07	043	13		WST samples need 48 hr extraction

ANALYSIS REQUEST				Received by: (Signature)	(Print Name)	Date / Time
8 RCRA Metals				<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 11:15</u>
PAH, EPA (8310)				<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 12:00</u>
PCB's, (8082)				<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 12:00</u>
Organochlorine Pesticides (608/8081)				<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 12:00</u>
Semi-Volatile Organics GCMS (625/8270)				<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 12:00</u>
SDWA Volatiles, (524.2)				<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 12:00</u>
Volatile Organics GCMS (624/8260B)				<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 12:00</u>
BTEX (8021B)	<input checked="" type="checkbox"/>			<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 12:00</u>
TPH, (8015AZR.1)	<input checked="" type="checkbox"/>			<u>Keith Karole</u>	<u>Keith Karole</u>	<u>5/24/07 12:00</u>

Relinquished by: (Signature) Keith Karole (Print Name) Keith Karole
 Received by: (Signature) Keith Karole (Print Name) Keith Karole
 Date / Time 5/24/07 11:15
 Date / Time 5/24/07 12:00
 Date / Time 5/24/07 12:00

JUL 9 - 2007



TRANSWEST
GEOCHEM

July 05, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE: TCC
Work Order No.: 0706350

Dear Kevin,

Transwest Geochem, Inc. received 8 samples on 6/19/2007 11:35:00 AM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 05-Jul-07

Client: Environmental & Engineering Consultants,
Work Order: 0706350
Project Name: TCC
Project Number:

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

The samples were received at a temperature outside of the 2-6 degrees C range required for compliance, and more than 2 hours after sampling.



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Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TCC
Project Number:
Work Order: 0706350
Date Received: 19-Jun-07

**Case Narrative
Data Qualifiers**

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

D1 Sample required dilution due to matrix.



**TRANSWEST
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Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TCC
Project Number:
Work Order: 0706350

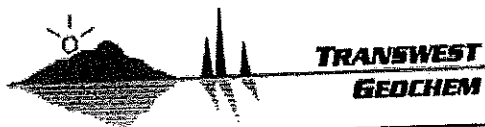
Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
CEP-527A-10'	0706350-01A	EPA353.2 NC	6/18/07 10:06 AM	6/19/07 11:35 AM
		N/A	6/18/07 10:06 AM	6/19/07 11:35 AM
		SM4500-NO2 B NC	6/18/07 10:06 AM	6/19/07 11:35 AM
		SW6010B	6/18/07 10:06 AM	6/19/07 11:35 AM
CEP-527A-20'	0706350-02A	8015AZ	6/18/07 10:37 AM	6/19/07 11:35 AM
		EPA353.2 NC	6/18/07 10:37 AM	6/19/07 11:35 AM
		N/A	6/18/07 10:37 AM	6/19/07 11:35 AM
		SM4500-NO2 B NC	6/18/07 10:37 AM	6/19/07 11:35 AM
		SW6010B	6/18/07 10:37 AM	6/19/07 11:35 AM
		SW8021B	6/18/07 10:37 AM	6/19/07 11:35 AM
CEP-527A-30'	0706350-03A	8015AZ	6/18/07 11:03 AM	6/19/07 11:35 AM
		EPA353.2 NC	6/18/07 11:03 AM	6/19/07 11:35 AM
		N/A	6/18/07 11:03 AM	6/19/07 11:35 AM
		SM4500-NO2 B NC	6/18/07 11:03 AM	6/19/07 11:35 AM
		SW6010B	6/18/07 11:03 AM	6/19/07 11:35 AM
		SW8021B	6/18/07 11:03 AM	6/19/07 11:35 AM
CEP-527A-40'	0706350-04A	8015AZ	6/18/07 11:22 AM	6/19/07 11:35 AM
		EPA353.2 NC	6/18/07 11:22 AM	6/19/07 11:35 AM
		N/A	6/18/07 11:22 AM	6/19/07 11:35 AM
		SM4500-NO2 B NC	6/18/07 11:22 AM	6/19/07 11:35 AM
		SW6010B	6/18/07 11:22 AM	6/19/07 11:35 AM
		SW8021B	6/18/07 11:22 AM	6/19/07 11:35 AM
CEP-528A-10'	0706350-05A	EPA353.2 NC	6/19/07 09:23 AM	6/19/07 11:35 AM
		N/A	6/19/07 09:23 AM	6/19/07 11:35 AM
		SM4500-NO2 B NC	6/19/07 09:23 AM	6/19/07 11:35 AM
		SW6010B	6/19/07 09:23 AM	6/19/07 11:35 AM
CEP-528A-20'	0706350-06A	8015AZ	6/19/07 10:00 AM	6/19/07 11:35 AM
		EPA353.2 NC	6/19/07 10:00 AM	6/19/07 11:35 AM
		N/A	6/19/07 10:00 AM	6/19/07 11:35 AM
		SM4500-NO2 B NC	6/19/07 10:00 AM	6/19/07 11:35 AM
		SW6010B	6/19/07 10:00 AM	6/19/07 11:35 AM
		SW8021B	6/19/07 10:00 AM	6/19/07 11:35 AM
CEP-528A-30'	0706350-07A	8015AZ	6/19/07 10:30 AM	6/19/07 11:35 AM
		EPA353.2 NC	6/19/07 10:30 AM	6/19/07 11:35 AM

CLIENT: Environmental & Engineering Consultants,
Project Name: TCC
Project Number:
Work Order: 0706350

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
CEP-528A-30'	0706350-07A	N/A	6/19/07 10:30 AM	6/19/07 11:35 AM
		SM4500-NO2 B NC	6/19/07 10:30 AM	6/19/07 11:35 AM
		SW6010B	6/19/07 10:30 AM	6/19/07 11:35 AM
CEP-528A-41'	0706350-08A	8015AZ	6/19/07 11:06 AM	6/19/07 11:35 AM
		EPA353.2 NC	6/19/07 11:06 AM	6/19/07 11:35 AM
		N/A	6/19/07 11:06 AM	6/19/07 11:35 AM
		SM4500-NO2 B NC	6/19/07 11:06 AM	6/19/07 11:35 AM
		SW6010B	6/19/07 11:06 AM	6/19/07 11:35 AM
		SW8021B	6/19/07 11:06 AM	6/19/07 11:35 AM



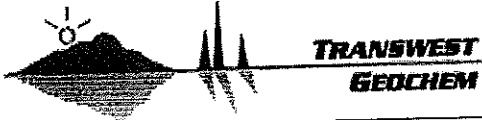
Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TCC
Project Number:
Work Order: 0706350
Date Received: 19-Jun-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



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CLIENT: Environmental & Engineering Consultants, Inc.
Project Name: TCC
Project Number:
Work Order: 0706350
Date Received: 19-Jun-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM MethodD4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



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GEOCHEM**

Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Lab ID: 0706350-01
Project Name: TCC
Project Number:

Client Sample ID: CEP-527A-10'
Collection Date: 6/18/2007 10:06:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water S	7.7	5.0		mg/Kg	1.0	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.40	0.40	D1	mg/Kg	2.0	SM4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	900	100		mg/Kg	1.0	SW6010B	6/21/07	6/22/07 16:41	BJK	13952



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GEOCHEM**

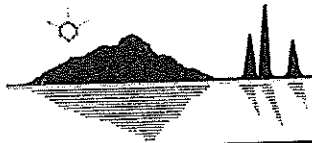
Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Lab ID: 0706350-02
Project Name: TCC
Project Number:

Client Sample ID: CEP-527A-20'
Collection Date: 6/18/2007 10:37:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	990	100		mg/Kg	1.0	SW6010B	6/21/07	6/22/07 16:45	BJK	13952
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Bromofluorobenzene(Surrogate)	98	61-135		%REC	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 21:43	KK	13958
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 21:43	KK	13958
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 21:43	KK	13958
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 21:43	KK	13958
o-Terphenyl(Surrogate)	72	70-130		%REC	1.0	8015AZ	6/21/07	6/25/07 21:43	KK	13958



**TRANSWEST
GEOCHEM**

Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Lab ID: 0706350-03
Project Name: TCC
Project Number:

Client Sample ID: CEP-527A-30'
Collection Date: 6/18/2007 11:03:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	<100	100		mg/Kg	1.0	SW8010B	6/21/07	6/22/07 16:48	BJK	13952
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Bromofluorobenzene(Surrogate)	89	61-135		%REC	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 22:29	KK	13958
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 22:29	KK	13958
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 22:29	KK	13958
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 22:29	KK	13958
o-Terphenyl(Surrogate)	71	70-130		%REC	1.0	8015AZ	6/21/07	6/25/07 22:29	KK	13958



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Date Printed 05-Jul-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Lab ID: 0706350-04
Project Name: TCC
Project Number:

Client Sample ID: CEP-527A-40'
Collection Date: 6/18/2007 11:22:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	120	100		mg/Kg	1.0	SW8010B	6/21/07	6/22/07 16:52	BJK	13952
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Bromofluorobenzene(Surrogate)	88	61-135		%REC	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
C6-C10 GRO	22	20		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 18:40	KK	13958
C10-C22 DRO	33	30		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 18:40	KK	13958
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 18:40	KK	13958
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 18:40	KK	13958
o-Terphenyl(Surrogate)	70	70-130		%REC	1.0	8015AZ	6/21/07	6/26/07 18:40	KK	13958



**TRANSWEST
GEOCHEM**

Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Lab ID: 0706350-05
Project Name: TCC
Project Number:

Client Sample ID: CEP-528A-10'
Collection Date: 6/19/2007 9:23:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water S	22	5.0		mg/Kg	1.0	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	850	100		mg/Kg	1.0	SW6010B	6/21/07	6/22/07 17:03	BJK	13952



**TRANSWEST
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Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Lab ID: 0706350-06
Project Name: TCC
Project Number:

Client Sample ID: CEP-528A-20'
Collection Date: 6/19/2007 10:00:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water S	53	5.0		mg/Kg	1.0	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	620	100		mg/Kg	1.0	SW6010B	6/21/07	6/22/07 17:06	BJK	13952
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Bromofluorobenzene(Surrogate)	91	61-135		%REC	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 23:59	KK	13958
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 23:59	KK	13958
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 23:59	KK	13958
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/21/07	6/25/07 23:59	KK	13958
o-Terphenyl(Surrogate)	73	70-130		%REC	1.0	8015AZ	6/21/07	6/25/07 23:59	KK	13958



**TRANSWEST
GEOCHEM**

Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Lab ID: 0706350-07
Project Name: TCC
Project Number:

Client Sample ID: CEP-528A-30'
Collection Date: 6/19/2007 10:30:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	370	100		mg/Kg	1.0	SW6010B	6/21/07	6/22/07 17:10	BJK	13952
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 0:44	KK	13958
C10-C22 DRO	<30	30		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 0:44	KK	13958
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 0:44	KK	13958
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 0:44	KK	13958
o-Terphenyl(Surrogate)	71	70-130		%REC	1.0	8015AZ	6/21/07	6/26/07 0:44	KK	13958



**TRANSWEST
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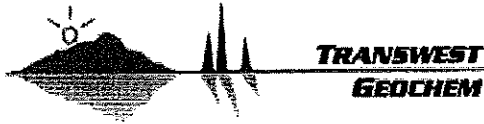
Date Printed 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Lab ID: 0706350-08
Project Name: TCC
Project Number:

Client Sample ID: CEP-528A-41'
Collection Date: 6/19/2007 11:06:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1.0	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1.0	SM4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	120	100		mg/Kg	1.0	SW6010B	6/21/07	6/22/07 17:14	BJK	13952
Benzene	<0.050	0.050		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Toluene	<0.10	0.10		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Xylenes, total	<0.15	0.15		mg/Kg	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Bromofluorobenzene(Surrogate)	89	61-135		%REC	1.0	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
C6-C10 GRO	<20	20		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 19:24	KK	13958
C10-C22 DRO	30	30		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 19:24	KK	13958
C22-C32 ORO	<100	100		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 19:24	KK	13958
C10-C32 SRL	<130	130		mg/Kg	1.0	8015AZ	6/21/07	6/26/07 19:24	KK	13958
o-Terphenyl(Surrogate)	77	70-130		%REC	1.0	8015AZ	6/21/07	6/26/07 19:24	KK	13958



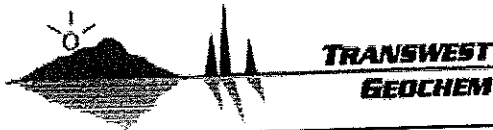
Date: 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0706350
 Project: TCC

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Nitrate-Nitrite (As N), Water Soluble	<5.0	5.0		mg/Kg	1	EPA353.2 NC	N/A	6/25/07	TL	NO3_S-6/25/2007
Water Soluble Nitrite (As N)	<0.20	0.20		mg/Kg	1	3M4500-NO2 B NC	6/25/07	6/27/07 12:58	KMB	NO2_S-6/29/2007
Sodium	<100	100		mg/Kg	1	SW6010B	6/21/07	6/22/07 15:50	BJK	13952
Benzene	<0.050	0.050		mg/Kg	1.0000	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Ethylbenzene	<0.10	0.10		mg/Kg	1.0000	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Toluene	<0.10	0.10		mg/Kg	1.0000	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Xylenes, total	<0.15	0.15		mg/Kg	1.0000	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
Bromofluorobenzene	95	61-135		%REC	1.0000	SW8021B	6/19/07	6/21/07	JPM	5GC8070619
C6-C10 GRO	<20	20		mg/Kg	1	8015AZ	6/21/07	6/26/07 15:40	KK	13958
C10-C22 DRO	<30	30		mg/Kg	1	8015AZ	6/21/07	6/26/07 15:40	KK	13958
C22-C32 ORO	<100	100		mg/Kg	1	8015AZ	6/21/07	6/26/07 15:40	KK	13958
C10-C32 SRL	<130	130		mg/Kg	1	8015AZ	6/21/07	6/26/07 15:40	KK	13958
o-Terphenyl	72	70-130		%REC	1	8015AZ	6/21/07	6/26/07 15:40	KK	13958

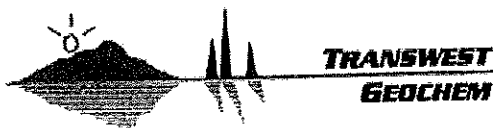


Date: 05-Jul-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Project: TCC

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0706350-07A-MS	Batch ID: NO3_S-6/25/2007		Test Code: EPA353.2 NC			Date Analyzed: 06/25/07 00:00		Date Prepared: N/A			
Client ID: CEP-528A-30'	Units: mg/Kg										
Nitrate-Nitrite (As N), Water Soluble	49.90	5.0	50.00		100%	80	120				
Sample ID: 0706350-07A-MSD	Batch ID: NO3_S-6/25/2007		Test Code: EPA353.2 NC			Date Analyzed: 06/25/07 00:00		Date Prepared: N/A			
Client ID: CEP-528A-30'	Units: mg/Kg										
Nitrate-Nitrite (As N), Water Soluble	49.70	5.0	50.00		99%	80	120	49.9	0%	20	
Sample ID: 0706350-08A-MS	Batch ID: NO2_S-6/29/2007		Test Code: SM4500-NO2 B NC			Date Analyzed: 06/27/07 12:58		Date Prepared: 6/25/07			
Client ID: CEP-528A-41'	Units: mg/Kg										
Water Soluble Nitrite (As N)	1.138	0.20	1.000		114%	80	120				
Sample ID: 0706350-08A-MSD	Batch ID: NO2_S-6/29/2007		Test Code: SM4500-NO2 B NC			Date Analyzed: 06/27/07 12:58		Date Prepared: 6/25/07			
Client ID: CEP-528A-41'	Units: mg/Kg										
Water Soluble Nitrite (As N)	1.191	0.20	1.000		119%	80	120	1.138	5%	20	
Sample ID: 0706350-08A-MS	Batch ID: 13952		Test Code: SW6010B			Date Analyzed: 06/22/07 17:17		Date Prepared: 6/21/07			
Client ID: CEP-528A-41'	Units: mg/Kg										
Sodium	1512	100	1300	119.9	107%	75	125				
Sample ID: 0706350-08A-MSD	Batch ID: 13952		Test Code: SW6010B			Date Analyzed: 06/22/07 17:21		Date Prepared: 6/21/07			
Client ID: CEP-528A-41'	Units: mg/Kg										
Sodium	1674	100	1300	119.9	120%	75	125	1512	10%	20	
Sample ID: 0706350-08AS	Batch ID: 5GC8070619		Test Code: SW8021B			Date Analyzed: 06/21/07 00:00		Date Prepared: 6/19/07			
Client ID: CEP-528A-41'	Units: mg/Kg										
Benzene	0.4600	0.050	0.5000		92%	63	124				
Ethylbenzene	0.4100	0.10	0.5000		82%	70	130				
Toluene	0.4400	0.10	0.5000		88%	66	127				
Xylenes, total	1.2078	0.15	1.500		81%	65	130				
Bromofluorobenzene	0.9200	N/A	1.000		92%	61	135				
Sample ID: 0706350-08ASD	Batch ID: 5GC8070619		Test Code: SW8021B			Date Analyzed: 06/21/07 00:00		Date Prepared: 6/19/07			
Client ID: CEP-528A-41'	Units: mg/Kg										
Benzene	0.4800	0.050	0.5000		96%	63	124	0.46	4%	20	
Ethylbenzene	0.4100	0.10	0.5000		82%	70	130	0.41	0%	22	
Toluene	0.4400	0.10	0.5000		88%	66	127	0.44	0%	20	
Xylenes, total	1.2315	0.15	1.500		82%	65	130	1.208	2%	20	
Bromofluorobenzene	0.9000	N/A	1.000		90%	61	135				



Date: 05-Jul-07
 License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 0706350
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual	
Sample ID: 0706350-08AMS		Batch ID: 13958		Test Code: 8015AZ			Date Analyzed: 06/26/07 02:59					
Client ID: CEP-528A-41'					Units: mg/Kg			Date Prepared: 6/21/07				
C10-C22 DRO	556	30	500	30.3	105%	70	130					
o-Terphenyl	7.73	N/A	10.0		77%	70	130					
Sample ID: 0706350-08AMSD		Batch ID: 13958		Test Code: 8015AZ			Date Analyzed: 06/26/07 03:44					
Client ID: CEP-528A-41'					Units: mg/Kg			Date Prepared: 6/21/07				
C10-C22 DRO	572	30	500	30.3	108%	70	130	556	3%	20		
o-Terphenyl	7.82	N/A	10.0		78%	70	130					



**TRANSWEST
GEOCHEM**

Date: 05-Jul-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Project: TCC

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS	Batch ID: NO3_S-6/25/2007		Test Code: EPA353.2 NC			Date Analyzed: 06/25/07 00:00		Date Prepared: N/A			
Nitrate-Nitrite (As N), Water Soluble	50.00	5.0	50.00		100%	80	120				
Sample ID: LCSD	Batch ID: NO3_S-6/25/2007		Test Code: EPA353.2 NC			Date Analyzed: 06/25/07 00:00		Date Prepared: N/A			
Nitrate-Nitrite (As N), Water Soluble	52.80	5.0	50.00		106%	80	120	50	5%	20	
Sample ID: LCS	Batch ID: NO2_S-6/29/2007		Test Code: SM4500-NO2 B NC			Date Analyzed: 06/27/07 12:58		Date Prepared: 6/25/07			
Water Soluble Nitrite (As N)	1.131	0.20	1.000		113%	80	120				
Sample ID: LCS-13952	Batch ID: 13952		Test Code: SW6010B			Date Analyzed: 06/22/07 15:54		Date Prepared: 6/21/07			
Sodium	1281	100	1300		99%	80	120				
Sample ID: LCSD-13952	Batch ID: 13952		Test Code: SW6010B			Date Analyzed: 06/22/07 15:58		Date Prepared: 6/21/07			
Sodium	1276	100	1300		98%	80	120	1281	0%	20	
Sample ID: LCS 6/19	Batch ID: 5GC8070619		Test Code: SW8021B			Date Analyzed: 06/21/07 00:00		Date Prepared: 6/19/07			
Benzene	0.4700	0.050	0.5000		94%	65	130				
Ethylbenzene	0.4300	0.10	0.5000		86%	70	130				
Toluene	0.4700	0.10	0.5000		94%	70	130				
Xylenes, total	1.2898	0.15	1.500		86%	70	130				
Bromofluorobenzene	0.8900	N/A	1.000		89%	61	135				
Sample ID: LCSD 6/19	Batch ID: 5GC8070619		Test Code: SW8021B			Date Analyzed: 06/21/07 00:00		Date Prepared: 6/19/07			
Benzene	0.5000	0.050	0.5000		100%	65	130	0.47	6%	20	
Ethylbenzene	0.4300	0.10	0.5000		86%	70	130	0.43	0%	20	
Toluene	0.4700	0.10	0.5000		94%	70	130	0.47	0%	20	
Xylenes, total	1.293	0.15	1.500		86%	70	130	1.29	0%	20	
Bromofluorobenzene	0.8700	N/A	1.000		87%	61	135				
Sample ID: LCS-13958	Batch ID: 13958		Test Code: 8015AZ			Date Analyzed: 06/25/07 19:30		Date Prepared: 6/21/07			
C10-C22 DRO	562	30	500		112%	70	130				
o-Terphenyl	7.95	N/A	10.0		80%	70	130				



**TRANSWEST
GEOCHEM**

Date: 05-Jul-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 0706350
Project: TCC

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD-13958	Batch ID: 13958		Test Code: 8015AZ			Date Analyzed: 06/25/07 20:15					
			Units: mg/Kg			Date Prepared: 6/21/07					
C10-C22 DRO	533	30	500		107%	70	130	562	5%	20	
o-Terphenyl	7.42	N/A	10.0		74%	70	130				



**TRANSWEST
GEOCHEM**

Storage Location: S-36

Brass
MedH-Tinc

Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 6.20.07 9:55

Work Order Number: 0706 350

Checked by: B

Checklist completed by: [Signature] 6.20.07
Signature / Date

Logged In by: [Signature] 6.20.07
Initials / Date

Matrix: Soil Carrier Name: Client TGI Express It

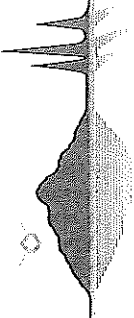
Reviewed by: _____
Initials / Date

	Yes	No	Not Present	<u>COMMENTS</u>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temp: <u>3.7</u>	Sampled < 2hrs <input type="checkbox"/>
Water – VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Water – pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Checked by: _____
Water – Sulfides present in Cyanide samples?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Samples considered Drinking Water for metal analysis?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



3725 E. Atlanta Ave.
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

3860 S. Palo Verde Rd., Ste. 301
Tucson, Arizona 85714
Phone: (520) 573-1061
Fax: (520) 573-1063

Chain of Custody

TGI Work Order No: 0706350
Date 6/19/07 Page 1 of 1

Project Manager: Kevin Perce
Client Name: EEC
Address: 4625 E Fr Lowell
City, State, Zip: Tucson AZ 85712
Phone: 520-321-4625 Fax: 520-321-0333

Bill To: City of Tucson - Environmental Services
Company:
Address:
City, State, Zip:
Phone: Fax:

PO. No.:
Project Name: TCC
Project Number:

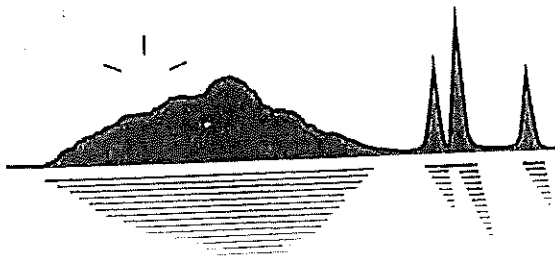
SAMPLE RECEIPT
Temperature: 100C
Ice: None
Received Intact: Yes No N/A Absent/ Present
Custody Seals: Yes No N/A Wet/Blue
Total No. of Containers: 8 Sampled <2 hrs ago

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID
CEP-527A-10'	Soil	6/18/07	1006	01
CEP-527A-20'	Soil	6/19/07	1037	02
CEP-527A-30'	Soil	6/19/07	1103	03
CEP-527A-40'	Soil	6/19/07	1122	04
CEP-528A-10'	Soil	6/19/07	0923	05
CEP-528A-20'	Soil	6/19/07	1000	06
CEP-528A-30'	Soil	6/19/07	1030	07
CEP-528A-41'	Soil	6/19/07	1106	08

ANALYSIS REQUEST

Analysis Request	No. of Containers	TPH, (8015AZR.1)	BTEX (8021B)	Volatile Organics GCMS (624/8260B)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA (8310)	8 RCRA Metals
Sulfides	1	✓	✓	✓						
Nitrates	1	✓	✓	✓						
Nitrites	1	✓	✓	✓						
Nitrates	1	✓	✓	✓						
UST samples need 48 hr extraction	1	✓	✓	✓						

Relinquished by: (Signature)	(Print Name)	Received by: (Signature)	(Print Name)	Date/Time
<u>[Signature]</u>	Chad Harnack	<u>[Signature]</u>	Kevin Collins	6/19/07 11:35
<u>[Signature]</u>	Kevin Collins	<u>[Signature]</u>	Express It	6/19/07 1500
<u>[Signature]</u>	Express It	<u>[Signature]</u>	Tuesday 6/19/07	6-20-07 0:55



TRANSWEST
GEOCHEM

November 05, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE:

Work Order No.: 07100237

Dear Kevin,

Transwest Geochem, Inc. received 2 samples on 10/9/2007 1:50:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 05-Nov-07

Client: Environmental & Engineering Consultants,
Work Order: 07100237
Project Name:
Project Number:

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

Analytical Comments for Method SW8260B, Matrix Spike/Matrix Spike Duplicate 07100263-11, Batch GCMS_T_071015A: The PQL for Vinyl Acetate was lowered in order to calculate the % Recovery and RPD.



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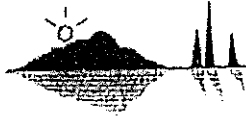
Date Printed 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name:
Project Number:
Work Order: 07100237

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
HQUST-531A-55'	07100237-01A	EPA 8310	10/09/07 11:22 AM	10/09/07 01:50 PM
		SW8260B	10/09/07 11:22 AM	10/09/07 01:50 PM
HQUST-531A-60'	07100237-02A	EPA 8310	10/09/07 11:45 AM	10/09/07 01:50 PM
		SW8260B	10/09/07 11:45 AM	10/09/07 01:50 PM



CLIENT: Environmental & Engineering Consultants,

Project Name:

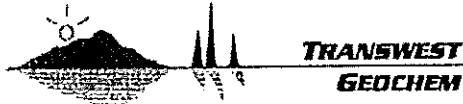
Project Number:

Work Order: 07100237

Date Received: 09-Oct-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



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References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement I: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM Method D4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

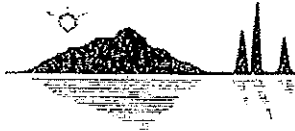
The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



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Date Printed 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Lab ID: 07100237-01
Project Name:
Project Number:

Client Sample ID: HQUST-531A-55'
Collection Date: 10/9/2007 11:22:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Pyrene	<0.040	0.040	L2	mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
2-Chloroanthracene(Surrogate)	82	51-125		%REC	1.0	EPA 8310	10/15/07	10/17/07 2:08	MJB	14965
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Benzene	0.060	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Lab ID: 07100237-01
Project Name:
Project Number:

Client Sample ID: HQUST-531A-55'
Collection Date: 10/9/2007 11:22:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071016A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071016A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,1,1,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Lab ID: 07100237-01
Project Name:
Project Number:

Client Sample ID: HQUST-531A-55'
Collection Date: 10/9/2007 11:22:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Vinyl acetate	<0.50	0.50	V1	mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
4-Bromofluorobenzene(Surrogate)	91	59-131		%REC	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
1,2-Dichloroethane-d4(Surrogate)	90	63-123		%REC	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Dibromofluoromethane(Surrogate)	89	63-123	N1	%REC	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A
Toluene-d8(Surrogate)	86	64-120		%REC	1.0	SW8260B	10/11/07	10/23/07 23:02	TH	GCMS_T_071015A



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Date Printed 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Lab ID: 07100237-02
Project Name:
Project Number:

Client Sample ID: HQUST-531A-60'
Collection Date: 10/9/2007 11:45:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Pyrene	<0.040	0.040	L2	mg/Kg	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
2-Chloroanthracene(Surrogate)	87	51-125		%REC	1.0	EPA 8310	10/15/07	10/17/07 2:39	MJB	14965
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A



**TRANSWEST
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CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Lab ID: 07100237-02
Project Name:
Project Number:

Client Sample ID: HQUST-531A-60'
Collection Date: 10/9/2007 11:45:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,1-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A



**TRANSWEST
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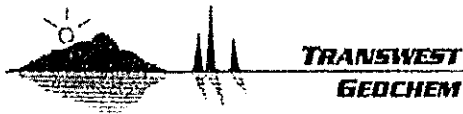
Date Printed 02-Nov-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Lab ID: 07100237-02
Project Name:
Project Number:

Client Sample ID: HQUST-531A-60'
Collection Date: 10/9/2007 11:45:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Vinyl acetate	<0.50	0.50	V1	mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
4-Bromofluorobenzene(Surrogate)	89	59-131		%REC	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
1,2-Dichloroethane-d4(Surrogate)	86	63-123		%REC	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Dibromofluoromethane(Surrogate)	90	63-123	N1	%REC	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A
Toluene-d8(Surrogate)	86	64-120		%REC	1.0	SW8260B	10/11/07	10/23/07 23:46	TH	GCMS_T_071015A

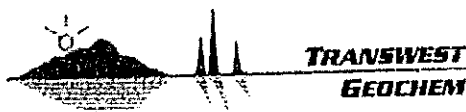


Date: 02-Nov-07
 License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100237
 Project:

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Acenaphthylene	<0.40	0.40		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Benz[a]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Chrysene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Fluorene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Naphthalene	<0.10	0.10		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Phenanthrene	<0.080	0.080		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
Pyrene	<0.040	0.040		mg/Kg	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965
2-Chloroanthracene	77	51-125		%REC	1	EPA 8310	10/15/07	10/16/07 20:56	MJB	14965



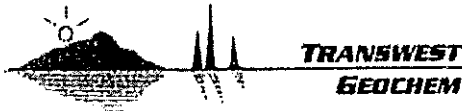
Date: 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100237
 Project:

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Chloromethane	<0.50	0.50	V1	mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Dichlorodifluoromethane	<0.50	0.50	V1	mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A



Date: 02-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Project:

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
4-Bromofluorobenzene	97	59-131		%REC	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
1,2-Dichloroethane-d4	105	63-123		%REC	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Dibromofluoromethane	105	63-123		%REC	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A
Toluene-d8	107	64-120		%REC	1	SW8260B	10/11/07	10/15/07 19:50	TH	GCMS_T_071015A



**TRANSWEST
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Date: 05-Nov-07

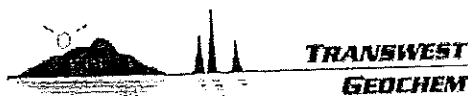
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CLIENT: Environmental & Engineering Consultants, I
Work Order: 07100237
Project:

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 07100235-02A-MS	Batch ID: 14965		Test Code: EPA 8310			Date Analyzed: 10/16/07 23:01					
Client ID:				Units: mg/Kg			Date Prepared: 10/15/07				
Acenaphthene	1.539	0.40	2.000		77%	70	130				
Acenaphthylene	3.211	0.40	4.000		80%	48	131				
Anthracene	0.1650	0.040	0.2000		83%	52	121				
Benz[a]anthracene	0.1580	0.040	0.2000		79%	55	123				
Benzo[a]pyrene	0.1490	0.010	0.2000		75%	53	115				
Benzo[b]fluoranthene	0.3170	0.040	0.4000		79%	70	130				
Benzo[g,h,i]perylene	0.3240	0.040	0.4000		81%	70	130				
Benzo[k]fluoranthene	0.1610	0.040	0.2000		81%	70	130				
Chrysene	0.1570	0.040	0.2000		79%	54	129				
Dibenz[a,h]anthracene	0.3160	0.040	0.4000		79%	70	130				
Fluoranthene	0.3300	0.040	0.4000		83%	47	138				
Fluorene	0.3150	0.040	0.4000		79%	70	130				
Indeno[1,2,3-cd]pyrene	0.1720	0.020	0.2000		86%	70	130				
Naphthalene	1.496	0.10	2.000		75%	51	112				
Phenanthrene	0.1490	0.080	0.2000		75%	45	133				
Pyrene	0.1380	0.040	0.2000		69%	51	123				
2-Chloroanthracene	0.8470	N/A	1.000		85%	51	125				

Sample ID: 07100235-02A-MSD	Batch ID: 14965		Test Code: EPA 8310			Date Analyzed: 10/16/07 23:32					
Client ID:				Units: mg/Kg			Date Prepared: 10/15/07				
Acenaphthene	1.744	0.40	2.000		87%	70	130	1.539	12%	28	
Acenaphthylene	3.626	0.40	4.000		91%	48	131	3.211	12%	27	
Anthracene	0.1880	0.040	0.2000		94%	52	121	0.165	13%	35	
Benz[a]anthracene	0.1760	0.040	0.2000		88%	55	123	0.158	11%	26	
Benzo[a]pyrene	0.1610	0.010	0.2000		81%	53	115	0.149	8%	27	
Benzo[b]fluoranthene	0.3510	0.040	0.4000		88%	70	130	0.317	10%	25	
Benzo[g,h,i]perylene	0.3530	0.040	0.4000		88%	70	130	0.324	9%	28	
Benzo[k]fluoranthene	0.1790	0.040	0.2000		90%	70	130	0.161	11%	25	
Chrysene	0.1700	0.040	0.2000		85%	54	129	0.157	8%	25	
Dibenz[a,h]anthracene	0.3540	0.040	0.4000		89%	70	130	0.316	11%	25	
Fluoranthene	0.3600	0.040	0.4000		90%	47	138	0.33	9%	33	
Fluorene	0.3430	0.040	0.4000		86%	70	130	0.315	9%	24	
Indeno[1,2,3-cd]pyrene	0.1910	0.020	0.2000		96%	70	130	0.172	10%	28	
Naphthalene	1.653	0.10	2.000		83%	51	112	1.496	10%	32	
Phenanthrene	0.1660	0.080	0.2000		83%	45	133	0.149	11%	28	
Pyrene	0.1500	0.040	0.2000		75%	51	123	0.138	8%	29	
2-Chloroanthracene	0.8990	N/A	1.000		90%	51	125				



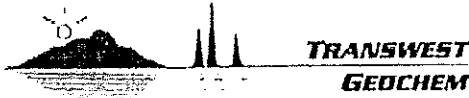
Date: 05-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
 Work Order: 07100237
 Project:

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 07100263-11A MS	Batch ID: GCMS_T_071015A		Test Code: SW8260B			Date Analyzed: 10/24/07 11:18					
Client ID:				Units: mg/Kg		Date Prepared: 10/11/07					
Acetone	1.573	1.5	2.000		79%	39	147				
Benzene	0.8700	0.050	1.000		87%	70	130				
Bromobenzene	0.9270	0.25	1.000		93%	70	130				
Bromochloromethane	0.9170	0.050	1.000		92%	70	130				
Bromodichloromethane	0.9125	0.050	1.000		91%	70	130				
Bromoform	0.9105	0.10	1.000		91%	70	130				
Bromomethane	0.8495	0.50	1.000		85%	46	148				
2-Butanone	1.665	0.50	2.000		83%	49	122				
n-Butylbenzene	0.9110	0.25	1.000		91%	70	130				
sec-Butylbenzene	0.9255	0.25	1.000		93%	70	130				
tert-Butylbenzene	0.9195	0.25	1.000		92%	70	130				
Carbon disulfide	1.321	0.50	2.000		66%	40	124				
Carbon tetrachloride	0.8700	0.050	1.000		87%	70	130				
Chlorobenzene	0.9010	0.050	1.000		90%	70	130				
Dibromochloromethane	0.9125	0.050	1.000		91%	70	130				
Chloroethane	0.8745	0.50	1.000		87%	48	140				
Chloroform	0.9365	0.050	1.000		94%	70	130				
Chloromethane	0.7180	0.50	1.000		72%	23	147				
2-Chlorotoluene	0.9185	0.25	1.000		92%	70	130				
4-Chlorotoluene	0.9200	0.25	1.000		92%	70	130				
1,2-Dibromo-3-chloropropane	0.8900	0.50	1.000		89%	66	130				
1,2-Dibromoethane	0.9310	0.50	1.000		93%	70	130				
Dibromomethane	0.8850	0.25	1.000		89%	70	130				
1,2-Dichlorobenzene	0.9050	0.050	1.000		91%	70	130				
1,3-Dichlorobenzene	0.9075	0.050	1.000		91%	70	130				
1,4-Dichlorobenzene	0.9170	0.050	1.000		92%	70	130				
Dichlorodifluoromethane	0.6860	0.50	1.000		69%	8	164				
1,1-Dichloroethane	0.8760	0.050	1.000		88%	55	135				
1,2-Dichloroethane	0.8935	0.050	1.000		89%	70	130				
1,1-Dichloroethene	0.8290	0.10	1.000		83%	50	132				
cis-1,2-Dichloroethene	0.8615	0.050	1.000		86%	63	126				
trans-1,2-Dichloroethene	0.7690	0.050	1.000		77%	58	123				
1,2-Dichloropropane	0.9195	0.050	1.000		92%	70	130				
1,3-Dichloropropane	0.9225	0.25	1.000		92%	70	130				
2,2-Dichloropropane	0.7490	0.25	1.000		75%	55	125				
1,1-Dichloropropene	0.8760	0.25	1.000		88%	70	130				
cis-1,3-Dichloropropene	0.8810	0.050	1.000		88%	70	130				
trans-1,3-Dichloropropene	0.8655	0.050	1.000		87%	70	130				
Ethylbenzene	0.9390	0.10	1.000		94%	70	130				
Hexachlorobutadiene	0.9640	0.50	1.000		96%	70	130				
2-Hexanone	1.813	0.50	2.000		91%	70	130				
Iodomethane	1.569	0.50	2.000		78%	42	109				
Isopropylbenzene	0.9580	0.25	1.000		96%	70	130				



Date: 05-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
 Work Order: 07100237
 Project:

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	0.9370	0.25	1.000		94%	70	130				
Methylene chloride	0.7735	0.50	1.000		77%	51	134				
4-Methyl-2-pentanone	1.834	0.50	2.000		92%	60	130				
Methyl tert-butyl ether	1.886	0.25	2.000		94%	70	130				
Naphthalene	0.8950	0.25	1.000		90%	62	132				
n-Propylbenzene	0.9125	0.25	1.000		91%	64	124				
Styrene	0.9405	0.25	1.000		94%	70	130				
1,1,1,2-Tetrachloroethane	0.9340	0.25	1.000		93%	70	130				
1,1,2,2-Tetrachloroethane	0.9340	0.10	1.000		93%	66	126				
Tetrachloroethene	0.8830	0.050	1.000		88%	62	125				
Toluene	0.9140	0.10	1.000		91%	63	124				
1,2,3-Trichlorobenzene	0.8545	0.25	1.000		85%	57	127				
1,2,4-Trichlorobenzene	0.9150	0.25	1.000		92%	70	130				
1,1,1-Trichloroethane	0.8930	0.050	1.000		89%	70	130				
1,1,2-Trichloroethane	0.9200	0.050	1.000		92%	70	130				
Trichloroethene	0.9395	0.050	1.000		94%	70	130				
Trichlorofluoromethane	0.9480	0.50	1.000		95%	42	137				
1,2,3-Trichloropropane	0.9210	0.25	1.000		92%	70	130				
1,2,4-Trimethylbenzene	0.9280	0.25	1.000		93%	70	130				
1,3,5-Trimethylbenzene	0.9350	0.25	1.000		94%	66	127				
Vinyl acetate	0.1140	0.10	2.000		6%	32	133				M2,N1
Vinyl chloride	0.9575	0.50	1.000		96%	32	150				
Xylenes, Total	2.808	0.15	3.000		94%	70	130				
4-Bromofluorobenzene	2.356	N/A	2.500		94%	59	131				
1,2-Dichloroethane-d4	2.184	N/A	2.500		87%	63	123				
Dibromofluoromethane	2.335	N/A	2.500		93%	63	123				
Toluene-d8	2.201	N/A	2.500		88%	64	120				



**TRANSWEST
GEOCHEM**

Date: 05-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 07100237
Project:

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 07100263-11A MSD	Batch ID: GCMS_T_071015A		Test Code: SW8260B			Date Analyzed: 10/24/07 12:01					
Client ID:	Units: mg/Kg				Date Prepared: 10/11/07						
Acelone	1.558	1.5	2.000		78%	39	147	1.573	1%	38	
Benzene	0.8875	0.050	1.000		89%	70	130	0.87	2%	20	
Bromobenzene	0.9440	0.25	1.000		94%	70	130	0.927	2%	20	
Bromochloromethane	0.8750	0.050	1.000		88%	70	130	0.917	5%	24	
Bromodichloromethane	0.9280	0.050	1.000		93%	70	130	0.9125	2%	20	
Bromoform	0.9355	0.10	1.000		94%	70	130	0.9105	3%	20	
Bromomethane	0.8845	0.50	1.000		88%	46	148	0.8495	4%	31	
2-Butanone	1.613	0.50	2.000		81%	49	122	1.665	3%	29	
n-Butylbenzene	0.9145	0.25	1.000		91%	70	130	0.911	0%	20	
sec-Butylbenzene	0.9330	0.25	1.000		93%	70	130	0.9255	1%	20	
tert-Butylbenzene	0.9325	0.25	1.000		93%	70	130	0.9195	1%	20	
Carbon disulfide	1.233	0.50	2.000		62%	40	124	1.321	7%	27	
Carbon tetrachloride	0.8935	0.050	1.000		89%	70	130	0.87	3%	20	
Chlorobenzene	0.9255	0.050	1.000		93%	70	130	0.901	3%	20	
Dibromochloromethane	0.9050	0.050	1.000		91%	70	130	0.9125	1%	20	
Chloroethane	0.8865	0.50	1.000		89%	48	140	0.8745	1%	28	
Chloroform	0.9235	0.050	1.000		92%	70	130	0.9365	1%	20	
Chloromethane	0.7380	0.50	1.000		74%	23	147	0.718	3%	28	
2-Chlorotoluene	0.9300	0.25	1.000		93%	70	130	0.9185	1%	23	
4-Chlorotoluene	0.9340	0.25	1.000		93%	70	130	0.92	2%	23	
1,2-Dibromo-3-chloropropane	0.8675	0.50	1.000		87%	66	130	0.89	3%	23	
1,2-Dibromoethane	0.9195	0.50	1.000		92%	70	130	0.931	1%	20	
Dibromomethane	0.9090	0.25	1.000		91%	70	130	0.885	3%	20	
1,2-Dichlorobenzene	0.9010	0.050	1.000		90%	70	130	0.905	0%	20	
1,3-Dichlorobenzene	0.9150	0.050	1.000		92%	70	130	0.9075	1%	20	
1,4-Dichlorobenzene	0.9160	0.050	1.000		92%	70	130	0.917	0%	20	
Dichlorodifluoromethane	0.6820	0.50	1.000		68%	8	164	0.686	1%	35	
1,1-Dichloroethane	0.8640	0.050	1.000		86%	55	135	0.876	1%	24	
1,2-Dichloroethane	0.9095	0.050	1.000		91%	70	130	0.8935	2%	20	
1,1-Dichloroethene	0.8075	0.10	1.000		81%	50	132	0.829	3%	30	
cis-1,2-Dichloroethene	0.8720	0.050	1.000		87%	63	126	0.8615	1%	22	
trans-1,2-Dichloroethene	0.7400	0.050	1.000		74%	58	123	0.769	4%	24	
1,2-Dichloropropane	0.9325	0.050	1.000		93%	70	130	0.9195	1%	20	
1,3-Dichloropropane	0.9045	0.25	1.000		90%	70	130	0.9225	2%	20	
2,2-Dichloropropane	0.7320	0.25	1.000		73%	55	125	0.749	2%	21	
1,1-Dichloropropene	0.8850	0.25	1.000		89%	70	130	0.876	1%	20	
cis-1,3-Dichloropropene	0.8900	0.050	1.000		89%	70	130	0.881	1%	20	
trans-1,3-Dichloropropene	0.8870	0.050	1.000		89%	70	130	0.8655	2%	20	
Ethylbenzene	0.9385	0.10	1.000		94%	70	130	0.939	0%	20	
Hexachlorobutadiene	0.9690	0.50	1.000		97%	70	130	0.964	1%	20	
2-Hexanone	1.730	0.50	2.000		87%	70	130	1.813	5%	24	
Iodomethane	1.513	0.50	2.000		76%	42	109	1.569	4%	26	
Isopropylbenzene	0.9570	0.25	1.000		96%	70	130	0.958	0%	20	



**TRANSWEST
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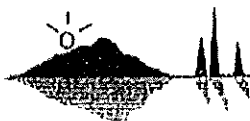
Date: 05-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 07100237
Project:

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	0.9555	0.25	1.000		96%	70	130	0.937	2%	20	
Methylene chloride	0.7555	0.50	1.000		76%	51	134	0.7735	2%	26	
4-Methyl-2-pentanone	1.840	0.50	2.000		92%	60	130	1.834	0%	25	
Methyl tert-butyl ether	1.789	0.25	2.000		89%	70	130	1.886	5%	20	
Naphthalene	0.8765	0.25	1.000		88%	62	132	0.895	2%	33	
n-Propylbenzene	0.9250	0.25	1.000		93%	64	124	0.9125	1%	21	
Styrene	0.9400	0.25	1.000		94%	70	130	0.9405	0%	20	
1,1,1,2-Tetrachloroethane	0.9335	0.25	1.000		93%	70	130	0.934	0%	20	
1,1,2,2-Tetrachloroethane	0.9210	0.10	1.000		92%	66	126	0.934	1%	25	
Tetrachloroethene	0.9005	0.050	1.000		90%	62	125	0.883	2%	22	
Toluene	0.9275	0.10	1.000		93%	63	124	0.914	1%	22	
1,2,3-Trichlorobenzene	0.8790	0.25	1.000		88%	57	127	0.8545	3%	35	
1,2,4-Trichlorobenzene	0.9050	0.25	1.000		91%	70	130	0.915	1%	23	
1,1,1-Trichloroethane	0.8890	0.050	1.000		89%	70	130	0.893	0%	20	
1,1,2-Trichloroethane	0.9300	0.050	1.000		93%	70	130	0.92	1%	20	
Trichloroethene	0.9130	0.050	1.000		91%	70	130	0.9395	3%	21	
Trichlorofluoromethane	0.9570	0.50	1.000		96%	42	137	0.948	1%	29	
1,2,3-Trichloropropane	0.9090	0.25	1.000		91%	70	130	0.921	1%	21	
1,2,4-Trimethylbenzene	0.9255	0.25	1.000		93%	70	130	0.928	0%	20	
1,3,5-Trimethylbenzene	0.9410	0.25	1.000		94%	66	127	0.935	1%	21	
Vinyl acetate	0.1220	0.10	2.000		6%	32	133	0.114	7%	34	M2, N1
Vinyl chloride	1.025	0.50	1.000		103%	32	150	0.9575	7%	32	
Xylenes, Total	2.8095	0.15	3.000		94%	70	130	2.808	0%	20	
4-Bromofluorobenzene	2.351	N/A	2.500		94%	59	131				
1,2-Dichloroethane-d4	2.185	N/A	2.500		87%	63	123				
Dibromofluoromethane	2.295	N/A	2.500		92%	63	123				
Toluene-d8	2.240	N/A	2.500		90%	64	120				



**TRANSWEST
GEOCHEM**

Date: 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,

Work Order: 07100237

QC SUMMARY REPORT

Blank Spike

Project:

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS-14965	Batch ID: 14965		Test Code: EPA 8310			Date Analyzed: 10/16/07 21:27					
			Units: mg/Kg			Date Prepared: 10/15/07					
Acenaphthene	1.703	0.40	2.000		85%	70	130				
Acenaphthylene	3.562	0.40	4.000		89%	70	130				
Anthracene	0.1860	0.040	0.2000		93%	70	130				
Benzo[a]anthracene	0.1780	0.040	0.2000		89%	70	130				
Benzo[a]pyrene	0.1660	0.010	0.2000		83%	70	130				
Benzo[b]fluoranthene	0.3500	0.040	0.4000		88%	70	130				
Benzo[g,h,i]perylene	0.3500	0.040	0.4000		88%	70	130				
Benzo[k]fluoranthene	0.1760	0.040	0.2000		88%	70	130				
Chrysene	0.1690	0.040	0.2000		85%	70	130				
Dibenz[a,h]anthracene	0.3500	0.040	0.4000		88%	70	130				
Fluoranthene	0.3570	0.040	0.4000		89%	70	130				
Fluorene	0.3390	0.040	0.4000		85%	70	130				
Indeno[1,2,3-cd]pyrene	0.1820	0.020	0.2000		91%	70	130				
Naphthalene	1.640	0.10	2.000		82%	70	130				
Phenanthrene	0.1630	0.080	0.2000		81%	70	130				
Pyrene	0.1490	0.040	0.2000		75%	70	130				
2-Chloroanthracene	0.8760	N/A	1.000		88%	51	125				
Sample ID: LCSD-14965	Batch ID: 14965		Test Code: EPA 8310			Date Analyzed: 10/16/07 21:58					
			Units: mg/Kg			Date Prepared: 10/15/07					
Acenaphthene	1.520	0.40	2.000		76%	70	130	1.703	11%	20	
Acenaphthylene	3.193	0.40	4.000		80%	70	130	3.562	11%	20	
Anthracene	0.1680	0.040	0.2000		84%	70	130	0.186	10%	20	
Benzo[a]anthracene	0.1590	0.040	0.2000		80%	70	130	0.178	11%	20	
Benzo[a]pyrene	0.1490	0.010	0.2000		75%	70	130	0.166	11%	22	
Benzo[b]fluoranthene	0.3110	0.040	0.4000		78%	70	130	0.35	12%	20	
Benzo[g,h,i]perylene	0.3180	0.040	0.4000		80%	70	130	0.35	10%	20	
Benzo[k]fluoranthene	0.1580	0.040	0.2000		79%	70	130	0.176	11%	20	
Chrysene	0.1500	0.040	0.2000		75%	70	130	0.169	12%	20	
Dibenz[a,h]anthracene	0.3130	0.040	0.4000		78%	70	130	0.35	11%	20	
Fluoranthene	0.3190	0.040	0.4000		80%	70	130	0.357	11%	21	
Fluorene	0.3060	0.040	0.4000		77%	70	130	0.339	10%	20	
Indeno[1,2,3-cd]pyrene	0.1690	0.020	0.2000		85%	70	130	0.182	7%	20	
Naphthalene	1.471	0.10	2.000		74%	70	130	1.64	11%	20	
Phenanthrene	0.1460	0.080	0.2000		73%	70	130	0.163	11%	20	
Pyrene	0.1380	0.040	0.2000		69%	70	130	0.149	8%	25	L2
2-Chloroanthracene	0.8230	N/A	1.000		82%	51	125				



**TRANSWEST
GEOCHEM**

Date: 02-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Project:

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS 10/11	Batch ID: GCMS_T_071015A		Test Code: SW8260B			Date Analyzed: 10/15/07 20:34					
	Units: mg/Kg			Date Prepared: 10/11/07							
Acetone	2.167	1.5	2.000		108%	45	152				
Benzene	0.9635	0.050	1.000		96%	70	130				
Bromobenzene	0.8945	0.25	1.000		89%	70	130				
Bromochloromethane	1.089	0.050	1.000		109%	70	130				
Bromodichloromethane	0.9880	0.050	1.000		99%	70	130				
Bromoform	0.9490	0.10	1.000		95%	70	130				
Bromomethane	0.8965	0.50	1.000		90%	51	147				
2-Butanone	1.659	0.50	2.000		83%	47	131				
n-Butylbenzene	0.8200	0.25	1.000		82%	70	130				
sec-Butylbenzene	0.8245	0.25	1.000		82%	70	130				
tert-Butylbenzene	0.8420	0.25	1.000		84%	70	130				
Carbon disulfide	1.551	0.50	2.000		78%	45	127				
Carbon tetrachloride	0.8965	0.050	1.000		90%	70	130				
Chlorobenzene	0.9090	0.050	1.000		91%	70	130				
Dibromochloromethane	0.9375	0.050	1.000		94%	70	130				
Chloroethane	0.8710	0.50	1.000		87%	54	138				
Chloroform	0.9760	0.050	1.000		98%	70	130				
Chloromethane	0.8980	0.50	1.000		90%	28	149				V1
2-Chlorotoluene	0.8680	0.25	1.000		87%	70	130				
4-Chlorotoluene	0.8720	0.25	1.000		87%	70	130				
1,2-Dibromo-3-chloropropane	0.9840	0.50	1.000		98%	70	130				
1,2-Dibromoethane	0.9510	0.50	1.000		95%	70	130				
Dibromomethane	0.9940	0.25	1.000		99%	70	130				
1,2-Dichlorobenzene	0.9070	0.050	1.000		91%	70	130				
1,3-Dichlorobenzene	0.8910	0.050	1.000		89%	70	130				
1,4-Dichlorobenzene	0.8805	0.050	1.000		88%	70	130				
Dichlorodifluoromethane	0.9775	0.50	1.000		98%	13	153				V1
1,1-Dichloroethane	0.9175	0.050	1.000		92%	66	130				
1,2-Dichloroethane	1.015	0.050	1.000		102%	70	130				
1,1-Dichloroethene	0.8645	0.10	1.000		86%	59	130				
cis-1,2-Dichloroethene	0.9150	0.050	1.000		92%	70	130				
trans-1,2-Dichloroethene	0.8280	0.050	1.000		83%	63	123				
1,2-Dichloropropane	0.9645	0.050	1.000		96%	70	130				
1,3-Dichloropropane	0.9240	0.25	1.000		92%	70	130				
2,2-Dichloropropane	0.8485	0.25	1.000		85%	60	139				
1,1-Dichloropropene	0.9065	0.25	1.000		91%	70	130				
cis-1,3-Dichloropropene	0.9700	0.050	1.000		97%	70	130				
trans-1,3-Dichloropropene	0.9075	0.050	1.000		91%	70	130				
Ethylbenzene	0.8860	0.10	1.000		89%	70	130				
Hexachlorobutadiene	0.8945	0.50	1.000		89%	70	130				
2-Hexanone	1.804	0.50	2.000		90%	70	130				
Iodomethane	1.999	0.50	2.000		100%	41	124				



**TRANSWEST
GEOCHEM**

Date: 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Project:

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.8840	0.25	1.000		88%	70	130				
4-Isopropyltoluene	0.8550	0.25	1.000		86%	70	130				
Methylene chloride	0.8870	0.50	1.000		89%	54	140				
4-Methyl-2-pentanone	1.963	0.50	2.000		98%	70	130				
Methyl tert-butyl ether	2.003	0.25	2.000		100%	68	139				
Naphthalene	0.8355	0.25	1.000		84%	68	131				
n-Propylbenzene	0.8325	0.25	1.000		83%	70	130				
Styrene	0.9225	0.25	1.000		92%	70	130				
1,1,1,2-Tetrachloroethane	0.9535	0.25	1.000		95%	70	130				
1,1,2,2-Tetrachloroethane	0.9355	0.10	1.000		94%	70	130				
Tetrachloroethene	0.8725	0.050	1.000		87%	70	130				
Toluene	0.9020	0.10	1.000		90%	70	130				
1,2,3-Trichlorobenzene	0.8580	0.25	1.000		86%	64	133				
1,2,4-Trichlorobenzene	0.8565	0.25	1.000		86%	70	130				
1,1,1-Trichloroethane	0.8905	0.050	1.000		89%	70	130				
1,1,2-Trichloroethane	0.9675	0.050	1.000		97%	70	130				
Trichloroethene	0.9505	0.050	1.000		95%	70	130				
Trichlorofluoromethane	0.9290	0.50	1.000		93%	49	135				
1,2,3-Trichloropropane	0.9085	0.25	1.000		91%	70	130				
1,2,4-Trimethylbenzene	0.8795	0.25	1.000		88%	70	130				
1,3,5-Trimethylbenzene	0.8670	0.25	1.000		87%	70	130				
Vinyl acetate	1.323	0.50	2.000		66%	41	142				
Vinyl chloride	1.164	0.50	1.000		116%	37	148				
Xylenes, Total	2.6955	0.15	3.000		90%	70	130				
4-Bromofluorobenzene	2.317	N/A	2.500		93%	59	131				
1,2-Dichloroethane-d4	2.473	N/A	2.500		99%	63	123				
Dibromofluoromethane	2.523	N/A	2.500		101%	63	123				
Toluene-d8	2.538	N/A	2.500		102%	64	120				



**TRANSWEST
GEOCHEM**

Date: 02-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Project:

QC SUMMARY REPORT
Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD 10/11	Batch ID: GCMS_T_071015A		Test Code: SW8260B			Date Analyzed: 10/15/07 21:18		Date Prepared: 10/11/07			
	Units: mg/Kg										
Acetone	2.435	1.5	2.000		122%	45	152	2.167	12%	34	
Benzene	0.9420	0.050	1.000		94%	70	130	0.9635	2%	20	
Bromobenzene	0.8885	0.25	1.000		89%	70	130	0.8945	1%	20	
Bromochloromethane	1.035	0.050	1.000		104%	70	130	1.089	5%	23	
Bromodichloromethane	0.9560	0.050	1.000		96%	70	130	0.988	3%	20	
Bromoform	0.9390	0.10	1.000		94%	70	130	0.949	1%	20	
Bromomethane	0.9070	0.50	1.000		91%	51	147	0.8965	1%	30	
2-Butanone	1.735	0.50	2.000		87%	47	131	1.659	4%	31	
n-Butylbenzene	0.8465	0.25	1.000		85%	70	130	0.82	3%	20	
sec-Butylbenzene	0.8325	0.25	1.000		83%	70	130	0.8245	1%	20	
tert-Butylbenzene	0.8625	0.25	1.000		86%	70	130	0.842	2%	20	
Carbon disulfide	1.519	0.50	2.000		76%	45	127	1.551	2%	25	
Carbon tetrachloride	0.8890	0.050	1.000		89%	70	130	0.8965	1%	20	
Chlorobenzene	0.9060	0.050	1.000		91%	70	130	0.909	0%	20	
Dibromochloromethane	0.9425	0.050	1.000		94%	70	130	0.9375	1%	20	
Chloroethane	0.9330	0.50	1.000		93%	54	138	0.871	7%	28	
Chloroform	0.9695	0.050	1.000		97%	70	130	0.976	1%	20	
Chloromethane	0.8655	0.50	1.000		87%	28	149	0.898	4%	30	V1
2-Chlorotoluene	0.8670	0.25	1.000		87%	70	130	0.868	0%	21	
4-Chlorotoluene	0.8875	0.25	1.000		89%	70	130	0.872	2%	20	
1,2-Dibromo-3-chloropropane	0.9380	0.50	1.000		94%	70	130	0.984	5%	20	
1,2-Dibromoethane	0.9465	0.50	1.000		95%	70	130	0.951	0%	20	
Dibromomethane	1.008	0.25	1.000		101%	70	130	0.994	1%	20	
1,2-Dichlorobenzene	0.8980	0.050	1.000		90%	70	130	0.907	1%	20	
1,3-Dichlorobenzene	0.8970	0.050	1.000		90%	70	130	0.891	1%	20	
1,4-Dichlorobenzene	0.8890	0.050	1.000		89%	70	130	0.8805	1%	20	
Dichlorodifluoromethane	0.8560	0.50	1.000		86%	13	153	0.9775	13%	27	V1
1,1-Dichloroethane	0.9205	0.050	1.000		92%	66	130	0.9175	0%	20	
1,2-Dichloroethane	1.019	0.050	1.000		102%	70	130	1.015	0%	20	
1,1-Dichloroethene	0.8770	0.10	1.000		88%	59	130	0.8645	1%	25	
cis-1,2-Dichloroethene	0.9205	0.050	1.000		92%	70	130	0.915	1%	20	
trans-1,2-Dichloroethene	0.7845	0.050	1.000		78%	63	123	0.828	5%	20	
1,2-Dichloropropane	0.9675	0.050	1.000		97%	70	130	0.9645	0%	20	
1,3-Dichloropropane	0.9160	0.25	1.000		92%	70	130	0.924	1%	20	
2,2-Dichloropropane	0.8455	0.25	1.000		85%	60	139	0.8485	0%	20	
1,1-Dichloropropene	0.8905	0.25	1.000		89%	70	130	0.9065	2%	20	
cis-1,3-Dichloropropene	0.9670	0.050	1.000		97%	70	130	0.97	0%	20	
trans-1,3-Dichloropropene	0.9005	0.050	1.000		90%	70	130	0.9075	1%	20	
Ethylbenzene	0.8990	0.10	1.000		90%	70	130	0.886	1%	20	
Hexachlorobutadiene	0.8905	0.50	1.000		89%	70	130	0.8945	0%	20	
2-Hexanone	1.744	0.50	2.000		87%	70	130	1.804	3%	21	
Iodomethane	1.951	0.50	2.000		98%	41	124	1.999	2%	26	



**TRANSWEST
GEOCHEM**

Date: 02-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100237
Project:

QC SUMMARY REPORT
Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.8810	0.25	1.000		88%	70	130	0.884	0%	20	
4-Isopropyltoluene	0.8700	0.25	1.000		87%	70	130	0.855	2%	20	
Methylene chloride	0.8935	0.50	1.000		89%	54	140	0.887	1%	26	
4-Methyl-2-pentanone	1.971	0.50	2.000		99%	70	130	1.963	0%	23	
Methyl tert-butyl ether	2.012	0.25	2.000		101%	68	139	2.003	0%	20	
Naphthalene	0.8555	0.25	1.000		86%	68	131	0.8355	2%	22	
n-Propylbenzene	0.8445	0.25	1.000		84%	70	130	0.8325	1%	20	
Styrene	0.9310	0.25	1.000		93%	70	130	0.9225	1%	20	
1,1,1,2-Tetrachloroethane	0.9345	0.25	1.000		93%	70	130	0.9535	2%	20	
1,1,2,2-Tetrachloroethane	0.9550	0.10	1.000		96%	70	130	0.9355	2%	20	
Tetrachloroethene	0.8660	0.050	1.000		87%	70	130	0.8725	1%	20	
Toluene	0.8955	0.10	1.000		90%	70	130	0.902	1%	20	
1,2,3-Trichlorobenzene	0.8535	0.25	1.000		85%	64	133	0.858	1%	24	
1,2,4-Trichlorobenzene	0.8660	0.25	1.000		87%	70	130	0.8565	1%	20	
1,1,1-Trichloroethane	0.8900	0.050	1.000		89%	70	130	0.8905	0%	20	
1,1,2-Trichloroethane	0.9485	0.050	1.000		95%	70	130	0.9675	2%	20	
Trichloroethene	0.9280	0.050	1.000		93%	70	130	0.9505	2%	20	
Trichlorofluoromethane	0.8895	0.50	1.000		89%	49	135	0.929	4%	28	
1,2,3-Trichloropropane	0.9240	0.25	1.000		92%	70	130	0.9085	2%	20	
1,2,4-Trimethylbenzene	0.8985	0.25	1.000		90%	70	130	0.8795	2%	20	
1,3,5-Trimethylbenzene	0.8810	0.25	1.000		88%	70	130	0.867	2%	20	
Vinyl acetate	1.330	0.50	2.000		67%	41	142	1.323	1%	27	
Vinyl chloride	1.087	0.50	1.000		109%	37	148	1.164	7%	30	
Xylenes, Total	2.7395	0.15	3.000		91%	70	130	2.695	2%	20	
4-Bromofluorobenzene	2.320	N/A	2.500		93%	59	131				
1,2-Dichloroethane-d4	2.471	N/A	2.500		99%	63	123				
Dibromofluoromethane	2.503	N/A	2.500		100%	63	123				
Toluene-d8	2.498	N/A	2.500		100%	64	120				



**TRANSWEST
GEOCHEM**

Storage Location: S-39

Drass

Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 10-10-07 0930

Work Order Number: 07100237

Checked by: TR

Checklist completed by: Tracy HA 10-10-07
Signature / Date

Logged In by: [Signature] 10/10/07
Initials / Date

Matrix: Soil

Carrier Name: Client TGI Express JT Reviewed by: MD 10-12-07
Initials / Date

COMMENTS

- | | | | | |
|---|---|--|---|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> | |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Temp: <u>3.4</u> | Wet Ice Present <input type="checkbox"/> |
| Where was the temperature reading taken at? | Sample <input type="checkbox"/> | Temp Blank <input checked="" type="checkbox"/> | Other: | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | Checked by: _____ |
| Water - Sulfides present in Cyanide samples? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Samples considered Drinking Water for metal analysis? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |

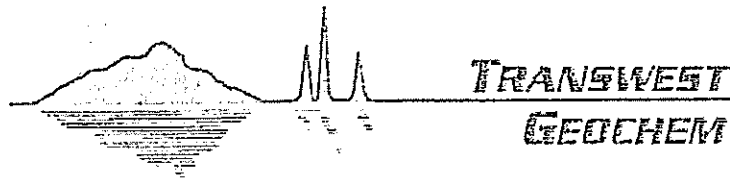
Comments: _____

Person contacted: _____ Date contacted: _____ Contacted by: _____

Regarding: _____

Corrective Action: _____

Storage Location: ROS. E-Tucson
A



Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 10/9/07

Work Order Number: 07100237

Checked by: KC

Checklist completed by: Lewi Collier 10/9/07
Signature / Date

Logged In by: _____
Initials / Date

Matrix: _____ Carrier Name: Client TGI _____

Reviewed by: _____
Initials / Date

Soil

COMMENTS

- | | | | |
|---|--|-------------------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Temp: <u>5.2°C</u> Wet Ice Present <input checked="" type="checkbox"/> |
| Where was the temperature reading taken at? | Sample <input checked="" type="checkbox"/> | Temp Blank <input type="checkbox"/> | Other: _____ |
| Water -- VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Water -- pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Water -- Sulfides present in Cyanide samples? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Samples considered Drinking Water for metal analysis? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |

Comments: _____

Person contacted: _____ Date contacted: _____ Contacted by: _____

Regarding: _____

Corrective Action: _____



3725 E. Atlanta Ave.
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

3860 S. Palo Verde Rd., Ste. 301
Tucson, Arizona 85714
Phone: (520) 573-1061
Fax: (520) 573-1063

Chain of Custody

TGI Work Order No: 07100237

Date 10/19/07 Page 1 of 1

Project Manager: Kevin Pierce
 Client Name: ECC
 Address: 4625 E. Peoria
 City, State, Zip: Tucson AZ 85712
 Phone: 321-4625 Fax: 321-0377

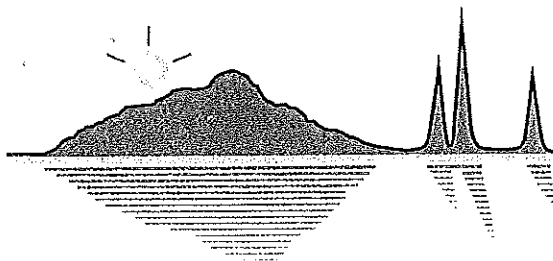
Bill To: City of Tucson Environmental Service
 Company:
 Address:
 City, State, Zip:
 Phone: Fax:

PO No.:
 Project Name:
 Project Number:
 Temperature: 5.2°C
 Received intact: Yes No N/A Absent / Present
 Custody Seals: Yes No N/A Wet / Blue
 Total No. of Containers: 2
 Sample Identification: Matrix Date Sampled Time Sampled Lab ID
HQUST-531A-55 50.1 10/19/07 1122 01
HQUST-531A-60 50.1 10/19/07 1145 02

ANALYSIS REQUEST		No. of Containers	Comments
8 RCRA Metals			
PAH, EPA (8310)	<input checked="" type="checkbox"/>	1	
PCB's, (8082)			
Organochlorine Pesticides (608/8081)			
Semi-Volatile Organics GCMS (625/6270)			
SDWA Volatiles, (524.2)			
Volatile Organics GCMS (62/6260B)	<input checked="" type="checkbox"/>	1	
BTEX (8021B)			
TPH, (8015A2R.1)			

U.S.T samples need 48 hr extraction

Relinquished by: (Signature)	Received by: (Signature)	(Print Name)	Date / Time
<u>Kevin Pierce</u>	<u>Kevin Collins</u>	<u>Kevin Collins</u>	<u>10/18/07 13:50</u>
<u>Kevin Collins</u>	<u>Express IT</u>	<u>Express IT</u>	<u>10/19/07 15:00</u>
	<u>Tracy</u>	<u>Tracy</u>	<u>10-10-07 09:30</u>



TRANSWEST
GEOCHEM

November 05, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE: TFD/TCC Well 1
Work Order No.: 07100351

Dear Kevin,

Transwest Geochem, Inc. received 2 samples on 10/11/2007 4:10:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 05-Nov-07

Client: Environmental & Engineering Consultants, I
Work Order: 07100351
Project Name: TFD/TCC Well 1
Project Number:

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

Analytical Comments for Method SW8310: The samples were mistakenly left out of refrigeration for more than 24 hours before they were extracted for analysis. All other QC parameters were met.

Analytical Comments for Method SW8260B, Laboratory Control Spike/ Laboratory Control Spike Duplicate LCS/LCSD 10/13, Batch GCMS_T_071017A: The PQL was lowered for Dichlorodifluoromethane in order to correctly calculate the recovery.

Analytical Comments for Method SW8260B, Matrix Spike/Matrix Spike Duplicate 07100409-01, Batch GCMS_T_071017A: The target analyte spikes were recovery was within method recovery limits, however, the surrogate recovery was low. The surrogate recovery in the associated samples and LCS/LCSD were within acceptance criteria.



**TRANSWEST
GEOCHEM**

Date Printed 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Project Name: TFD/FCC Well 1
Project Number:
Work Order: 07100351
Date Received: 11-Oct-07

Case Narrative
Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

N1 See case narrative.
V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.



**TRANSWEST
GEOCHEM**

Date Printed 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TFD/TCC Well 1
Project Number:
Work Order: 07100351

Work Order Sample Summary

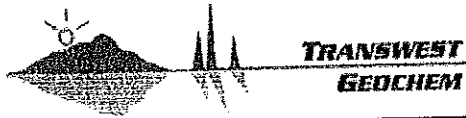
Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
HQUST-532A-55'	07100351-01A	EPA 8310	10/11/07 11:29 AM	10/11/07 04:10 PM
		SW8260B	10/11/07 11:29 AM	10/11/07 04:10 PM
HQUST-532A-60'	07100351-02A	EPA 8310	10/11/07 11:40 AM	10/11/07 04:10 PM
		SW8260B	10/11/07 11:40 AM	10/11/07 04:10 PM



CLIENT: Environmental & Engineering Consultants,
Project Name: TFD/TCC Well 1
Project Number:
Work Order: 07100351
Date Received: 11-Oct-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



Date Printed: 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, Inc.
Project Name: TFD/TCC Well 1
Project Number:
Work Order: 07100351
Date Received: 11-Oct-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM Method D4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev. 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



**TRANSWEST
GEOCHEM**

Date Printed 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100351
Lab ID: 07100351-01
Project Name: TFD/TCC Well 1
Project Number:

Client Sample ID: HQUST-532A-55'
Collection Date: 10/11/2007 11:29:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Benzo[a]pyrene	<0.010	0.010	V1	mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
2-Chloroanthracene(Surrogate)	77	51-125		%REC	1.0	EPA 8310	10/18/07	10/20/07 1:49	MJB	14997
Acetone	<1.5	1.5	V1	mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A



**TRANSWEST
GEOCHEM**

Date Printed 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100351
Lab ID: 07100351-01
Project Name: TFD/TCC Well 1
Project Number:

Client Sample ID: HQUST-532A-55'
Collection Date: 10/11/2007 11:29:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 07100351
Lab ID: 07100351-01
Project Name: TFD/TCC Well 1
Project Number:

Client Sample ID: HQUST-532A-55'
Collection Date: 10/11/2007 11:29:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Vinyl acetate	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
4-Bromofluorobenzene(Surrogate)	95	59-131		%REC	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
1,2-Dichloroethane-d4(Surrogate)	94	63-123		%REC	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Dibromofluoromethane(Surrogate)	96	63-123		%REC	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A
Toluene-d8(Surrogate)	96	64-120		%REC	1.0	SW8260B	10/13/07	10/17/07 16:29	TH	GCMS_T_071017A



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Date Printed 29-Oct-07

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CLIENT: Environmental & Engineering Consultants,
Work Order: 07100351
Lab ID: 07100351-02
Project Name: TFD/TCC Well 1
Project Number:

Client Sample ID: HQUST-532A-60'
Collection Date: 10/11/2007 11:40:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Benzo[a]pyrene	<0.010	0.010	V1	mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
2-Chloroanthracene(Surrogate)	81	51-125		%REC	1.0	EPA 8310	10/18/07	10/20/07 2:20	MJB	14997
Acetone	<1.5	1.5	V1	mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A



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CLIENT: Environmental & Engineering Consultants,
Work Order: 07100351
Lab ID: 07100351-02
Project Name: TFD/TCC Well 1
Project Number:

Client Sample ID: HQUST-532A-60'
Collection Date: 10/11/2007 11:40:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A



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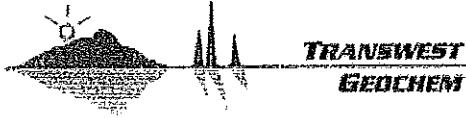
Date Printed 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100351
Lab ID: 07100351-02
Project Name: TFD/TCC Well 1
Project Number:

Client Sample ID: HQUST-532A-60'
Collection Date: 10/11/2007 11:40:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Vinyl acetate	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
4-Bromofluorobenzene(Surrogate)	99	59-131		%REC	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
1,2-Dichloroethane-d4(Surrogate)	101	63-123		%REC	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Dibromofluoromethane(Surrogate)	102	63-123		%REC	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A
Toluene-d8(Surrogate)	101	64-120		%REC	1.0	SW8260B	10/13/07	10/17/07 15:47	TH	GCMS_T_071017A



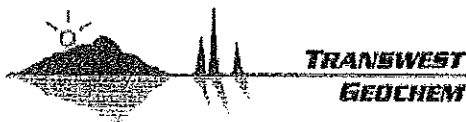
Date: 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100351
 Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Acenaphthylene	<0.40	0.40		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Benz[a]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Benzo[a]pyrene	<0.010	0.010	VI	mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Chrysene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Fluorene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Naphthalene	<0.10	0.10		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Phenanthrene	<0.080	0.080		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
Pyrene	<0.040	0.040		mg/Kg	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997
2-Chloroanthracene	97	51-125		%REC	1	EPA 8310	10/18/07	10/19/07 20:06	MJB	14997



Date: 29-Oct-07

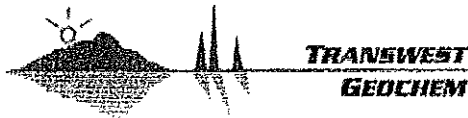
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CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100351
 Project: TFD/TCC Well 1

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5	V1	mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2-Dibromoethane	<0.024	0.50	E8	mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A



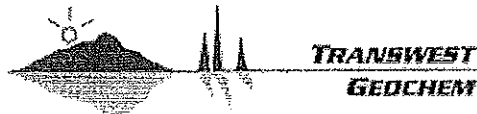
Date: 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100351
 Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
4-Bromofluorobenzene	99	59-131		%REC	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
1,2-Dichloroethane-d4	101	63-123		%REC	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Dibromofluoromethane	100	63-123		%REC	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A
Toluene-d8	99	64-120		%REC	1	SW8260B	10/13/07	10/17/07 13:37	TH	GCMS_T_071017A



Date: 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 07100351
Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 07100501-01A-MS		Batch ID: 14997		Test Code: EPA 8310			Date Analyzed: 10/19/07 22:11				
Client ID:		Units: mg/Kg			Date Prepared: 10/18/07						
Acenaphthene	1.698	0.40	2.000		85%	70	130				
Acenaphthylene	3.755	0.40	4.000		94%	48	131				
Anthracene	0.1990	0.040	0.2000		100%	52	121				
Benz[a]anthracene	0.1910	0.040	0.2000		96%	55	123				
Benzo[a]pyrene	0.2020	0.010	0.2000		101%	53	115				VI
Benzo[b]fluoranthene	0.3820	0.040	0.4000		96%	70	130				
Benzo[g,h,i]perylene	0.3960	0.040	0.4000		99%	70	130				
Benzo[k]fluoranthene	0.1930	0.040	0.2000		97%	70	130				
Chrysene	0.1950	0.040	0.2000		98%	54	129				
Dibenz[a,h]anthracene	0.3600	0.040	0.4000		90%	70	130				
Fluoranthene	0.4250	0.040	0.4000		106%	47	138				
Fluorene	0.3770	0.040	0.4000		94%	70	130				
Indeno[1,2,3-cd]pyrene	0.2020	0.020	0.2000		101%	70	130				
Naphthalene	1.733	0.10	2.000		87%	51	112				
Phenanthrene	0.1940	0.080	0.2000		97%	45	133				
Pyrene	0.1810	0.040	0.2000		91%	51	123				
2-Chloroanthracene	1.030	N/A	1.000		103%	51	125				

Sample ID: 07100501-01A-MSD		Batch ID: 14997		Test Code: EPA 8310			Date Analyzed: 10/19/07 22:42				
Client ID:		Units: mg/Kg			Date Prepared: 10/18/07						
Acenaphthene	1.916	0.40	2.000		96%	70	130	1.698	12%	28	
Acenaphthylene	4.123	0.40	4.000		103%	48	131	3.755	9%	27	
Anthracene	0.2280	0.040	0.2000		114%	52	121	0.199	14%	35	
Benz[a]anthracene	0.2110	0.040	0.2000		106%	55	123	0.191	10%	26	
Benzo[a]pyrene	0.2230	0.010	0.2000		112%	53	115	0.202	10%	27	VI
Benzo[b]fluoranthene	0.4220	0.040	0.4000		106%	70	130	0.382	10%	25	
Benzo[g,h,i]perylene	0.4330	0.040	0.4000		108%	70	130	0.396	9%	26	
Benzo[k]fluoranthene	0.2100	0.040	0.2000		105%	70	130	0.193	8%	25	
Chrysene	0.2160	0.040	0.2000		108%	54	129	0.195	10%	25	
Dibenz[a,h]anthracene	0.3950	0.040	0.4000		99%	70	130	0.36	9%	25	
Fluoranthene	0.4160	0.040	0.4000		104%	47	138	0.425	2%	33	
Fluorene	0.4080	0.040	0.4000		102%	70	130	0.377	8%	24	
Indeno[1,2,3-cd]pyrene	0.2040	0.020	0.2000		102%	70	130	0.202	1%	28	
Naphthalene	1.951	0.10	2.000		98%	51	112	1.733	12%	32	
Phenanthrene	0.2130	0.080	0.2000		107%	45	133	0.194	9%	28	
Pyrene	0.1810	0.040	0.2000		91%	51	123	0.181	0%	29	
2-Chloroanthracene	1.099	N/A	1.000		110%	51	125				



**TRANSWEST
GEOCHEM**

Date: 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 07100351
Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 07100409-01AMS	Batch ID: GCMS_T_071017A		Test Code: SW8260B			Date Analyzed: 10/17/07 17:55					
Client ID:				Units: mg/Kg		Date Prepared: 10/13/07					
Acelone	1.529	1.5	2.000		76%	39	147				
Benzene	0.9850	0.050	1.000		99%	70	130				
Bromobenzene	0.9930	0.25	1.000		99%	70	130				
Bromochloromethane	0.9930	0.050	1.000		99%	70	130				
Bromodichloromethane	1.005	0.050	1.000		101%	70	130				
Bromoform	0.9860	0.10	1.000		99%	70	130				
Bromomethane	0.8920	0.50	1.000		89%	46	148				
2-Butanone	1.820	0.50	2.000		91%	49	122				
n-Butylbenzene	0.9710	0.25	1.000		97%	70	130				
sec-Butylbenzene	0.9675	0.25	1.000		97%	70	130				
tert-Butylbenzene	0.9705	0.25	1.000		97%	70	130				
Carbon disulfide	1.528	0.50	2.000		76%	40	124				
Carbon tetrachloride	0.9495	0.050	1.000		95%	70	130				
Chlorobenzene	0.9710	0.050	1.000		97%	70	130				
Dibromochloromethane	0.9710	0.050	1.000		97%	70	130				
Chloroethane	0.8125	0.50	1.000		81%	48	140				
Chloroform	0.9955	0.050	1.000		100%	70	130				
Chloromethane	0.5990	0.50	1.000		60%	23	147				
2-Chlorotoluene	0.9765	0.25	1.000		98%	70	130				
4-Chlorotoluene	0.9580	0.25	1.000		98%	70	130				
1,2-Dibromo-3-chloropropane	0.9600	0.50	1.000		96%	66	130				
1,2-Dibromoethane	0.9710	0.50	1.000		97%	70	130				
Dibromomethane	0.9625	0.25	1.000		96%	70	130				
1,2-Dichlorobenzene	0.9710	0.050	1.000		97%	70	130				
1,3-Dichlorobenzene	0.9620	0.050	1.000		96%	70	130				
1,4-Dichlorobenzene	0.9640	0.050	1.000		96%	70	130				
Dichlorodifluoromethane	0.2905	0.25	1.000		29%	8	164				
1,1-Dichloroethane	0.9550	0.050	1.000		96%	55	135				
1,2-Dichloroethane	0.9795	0.050	1.000		98%	70	130				
1,1-Dichloroethene	0.9265	0.10	1.000		93%	50	132				
cis-1,2-Dichloroethene	0.9315	0.050	1.000		93%	63	126				
trans-1,2-Dichloroethene	0.8295	0.050	1.000		83%	58	123				
1,2-Dichloropropane	0.9815	0.050	1.000		98%	70	130				
1,3-Dichloropropane	0.9965	0.25	1.000		100%	70	130				
2,2-Dichloropropane	0.9470	0.25	1.000		95%	55	125				
1,1-Dichloropropene	0.9530	0.25	1.000		95%	70	130				
cis-1,3-Dichloropropene	1.049	0.050	1.000		105%	70	130				
trans-1,3-Dichloropropene	0.9960	0.050	1.000		100%	70	130				
Ethylbenzene	0.9870	0.10	1.000		99%	70	130				
Hexachlorobutadiene	0.9825	0.50	1.000		98%	70	130				
2-Hexanone	2.036	0.50	2.000		102%	70	130				
Iodomethane	1.796	0.50	2.000		90%	42	109				
Isopropylbenzene	0.9720	0.25	1.000		97%	70	130				



**TRANSWEST
GEOCHEM**

Date: 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 07100351
Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	0.9910	0.25	1.000		99%	70	130				
Methylene chloride	0.8875	0.50	1.000		89%	51	134				
4-Methyl-2-pentanone	2.032	0.50	2.000		102%	60	130				
Methyl tert-butyl ether	2.021	0.25	2.000		101%	70	130				
Naphthalene	0.9595	0.25	1.000		96%	62	132				
n-Propylbenzene	0.9735	0.25	1.000		97%	64	124				
Styrene	0.9875	0.25	1.000		99%	70	130				
1,1,1,2-Tetrachloroethane	0.9995	0.25	1.000		100%	70	130				
1,1,2,2-Tetrachloroethane	0.9880	0.10	1.000		99%	66	126				
Tetrachloroethene	0.9580	0.050	1.000		96%	62	125				
Toluene	0.9710	0.10	1.000		97%	63	124				
1,2,3-Trichlorobenzene	0.9620	0.25	1.000		96%	57	127				
1,2,4-Trichlorobenzene	0.9605	0.25	1.000		96%	70	130				
1,1,1-Trichloroethane	0.9550	0.050	1.000		96%	70	130				
1,1,2-Trichloroethane	0.9965	0.050	1.000		100%	70	130				
Trichloroethene	1.008	0.050	1.000		101%	70	130				
Trichlorofluoromethane	0.7910	0.50	1.000		79%	42	137				
1,2,3-Trichloropropane	1.006	0.25	1.000		101%	70	130				
1,2,4-Trimethylbenzene	0.9810	0.25	1.000		98%	70	130				
1,3,5-Trimethylbenzene	0.9885	0.25	1.000		99%	66	127				
Vinyl acetate	1.694	0.50	2.000		85%	32	133				
Vinyl chloride	0.7855	0.50	1.000		79%	32	150				
Xylenes, Total	2.9225	0.15	3.000		97%	70	130				
4-Bromofluorobenzene	0.5370	N/A	2.500		21%	59	131				N1
1,2-Dichloroethane-d4	0.5150	N/A	2.500		21%	63	123				N1
Dibromofluoromethane	0.5430	N/A	2.500		22%	63	123				N1
Toluene-d8	0.5330	N/A	2.500		21%	64	120				N1



**TRANSWEST
GEOCHEM**

Date: 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 07100351
Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 07100409-01AMSD	Batch ID: GCMS_T_071017A		Test Code: SW8260B			Date Analyzed: 10/17/07 18:38					
Client ID:	Units: mg/Kg			Date Prepared: 10/13/07							
Acetone	1.585	1.5	2.000		79%	39	147	1.529	4%	38	
Benzene	0.9700	0.050	1.000		97%	70	130	0.985	2%	20	
Bromobenzene	0.9465	0.25	1.000		95%	70	130	0.993	5%	20	
Bromochloromethane	0.9800	0.050	1.000		96%	70	130	0.993	3%	24	
Bromodichloromethane	0.9585	0.050	1.000		96%	70	130	1.005	5%	20	
Bromoform	0.9505	0.10	1.000		95%	70	130	0.986	4%	20	
Bromomethane	0.9440	0.50	1.000		94%	46	148	0.892	6%	31	
2-Butanone	1.768	0.50	2.000		88%	49	122	1.82	3%	29	
n-Butylbenzene	0.9350	0.25	1.000		94%	70	130	0.971	4%	20	
sec-Butylbenzene	0.9505	0.25	1.000		95%	70	130	0.9675	2%	20	
tert-Butylbenzene	0.9445	0.25	1.000		94%	70	130	0.9705	3%	20	
Carbon disulfide	1.520	0.50	2.000		76%	40	124	1.528	1%	27	
Carbon tetrachloride	0.9725	0.050	1.000		97%	70	130	0.9495	2%	20	
Chlorobenzene	0.9335	0.050	1.000		93%	70	130	0.971	4%	20	
Dibromochloromethane	0.9235	0.050	1.000		92%	70	130	0.971	5%	20	
Chloroethane	0.8005	0.50	1.000		80%	48	140	0.8125	1%	28	
Chloroform	0.9465	0.050	1.000		95%	70	130	0.9955	5%	20	
Chloromethane	0.6080	0.50	1.000		61%	23	147	0.599	1%	28	
2-Chlorotoluene	0.9455	0.25	1.000		95%	70	130	0.9765	3%	23	
4-Chlorotoluene	0.9325	0.25	1.000		93%	70	130	0.958	3%	23	
1,2-Dibromo-3-chloropropane	0.9375	0.50	1.000		94%	66	130	0.96	2%	23	
1,2-Dibromoethane	0.9550	0.50	1.000		96%	70	130	0.971	2%	20	
Dibromomethane	0.9595	0.25	1.000		96%	70	130	0.9625	0%	20	
1,2-Dichlorobenzene	0.9370	0.050	1.000		94%	70	130	0.971	4%	20	
1,3-Dichlorobenzene	0.9545	0.050	1.000		95%	70	130	0.962	1%	20	
1,4-Dichlorobenzene	0.9250	0.050	1.000		93%	70	130	0.964	4%	20	
Dichlorodifluoromethane	0.2970	0.25	1.000		30%	8	164	0.2905	2%	35	
1,1-Dichloroethane	0.9195	0.050	1.000		92%	55	135	0.955	4%	24	
1,2-Dichloroethane	0.9585	0.050	1.000		96%	70	130	0.9795	2%	20	
1,1-Dichloroethene	0.8970	0.10	1.000		90%	50	132	0.9265	3%	30	
cis-1,2-Dichloroethene	0.8980	0.050	1.000		90%	63	126	0.9315	4%	22	
trans-1,2-Dichloroethene	0.8240	0.050	1.000		82%	58	123	0.8295	1%	24	
1,2-Dichloropropane	0.9740	0.050	1.000		97%	70	130	0.9815	1%	20	
1,3-Dichloropropane	0.9515	0.25	1.000		95%	70	130	0.9965	5%	20	
2,2-Dichloropropane	0.9125	0.25	1.000		91%	55	125	0.947	4%	21	
1,1-Dichloropropene	0.9485	0.25	1.000		95%	70	130	0.953	0%	20	
cis-1,3-Dichloropropene	1.016	0.050	1.000		102%	70	130	1.049	3%	20	
trans-1,3-Dichloropropene	0.9620	0.050	1.000		96%	70	130	0.996	3%	20	
Ethylbenzene	0.9500	0.10	1.000		95%	70	130	0.987	4%	20	
Hexachlorobutadiene	1.020	0.50	1.000		102%	70	130	0.9825	4%	20	
2-Hexanone	1.927	0.50	2.000		96%	70	130	2.036	6%	24	
Iodomethane	1.760	0.50	2.000		88%	42	109	1.796	2%	26	
Isopropylbenzene	0.9440	0.25	1.000		94%	70	130	0.972	3%	20	



**TRANSWEST
GEOCHEM**

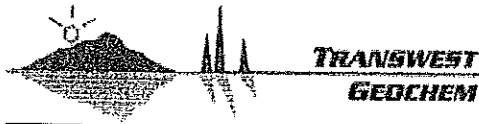
Date: 02-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, I
Work Order: 07100351
Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	0.9530	0.25	1.000		95%	70	130	0.991	4%	20	
Methylene chloride	0.8495	0.50	1.000		85%	51	134	0.8875	4%	26	
4-Methyl-2-pentanone	2.069	0.50	2.000		103%	60	130	2.032	2%	25	
Methyl tert-butyl ether	1.965	0.25	2.000		98%	70	130	2.021	3%	20	
Naphthalene	0.9490	0.25	1.000		95%	62	132	0.9595	1%	33	
n-Propylbenzene	0.9425	0.25	1.000		94%	64	124	0.9735	3%	21	
Styrene	0.9690	0.25	1.000		97%	70	130	0.9875	2%	20	
1,1,1,2-Tetrachloroethane	0.9790	0.25	1.000		98%	70	130	0.9995	2%	20	
1,1,2,2-Tetrachloroethane	0.9610	0.10	1.000		96%	66	126	0.988	3%	25	
Tetrachloroethene	0.9215	0.050	1.000		92%	62	125	0.958	4%	22	
Toluene	0.9285	0.10	1.000		93%	63	124	0.971	4%	22	
1,2,3-Trichlorobenzene	0.9780	0.25	1.000		98%	57	127	0.962	2%	35	
1,2,4-Trichlorobenzene	0.9275	0.25	1.000		93%	70	130	0.9605	3%	23	
1,1,1-Trichloroethane	0.9060	0.050	1.000		91%	70	130	0.955	5%	20	
1,1,2-Trichloroethane	0.9705	0.050	1.000		97%	70	130	0.9965	3%	20	
Trichloroethene	0.9895	0.050	1.000		99%	70	130	1.008	2%	21	
Trichlorofluoromethane	0.8130	0.50	1.000		81%	42	137	0.791	3%	29	
1,2,3-Trichloropropane	0.9445	0.25	1.000		94%	70	130	1.006	6%	21	
1,2,4-Trimethylbenzene	0.9620	0.25	1.000		96%	70	130	0.981	2%	20	
1,3,5-Trimethylbenzene	0.9520	0.25	1.000		95%	66	127	0.9885	4%	21	
Vinyl acetate	1.722	0.50	2.000		86%	32	133	1.694	2%	34	
Vinyl chloride	0.8070	0.50	1.000		81%	32	150	0.7855	3%	32	
Xylenes, Total	2.8185	0.15	3.000		94%	70	130	2.923	4%	20	
4-Bromofluorobenzene	0.5570	N/A	2.500		22%	59	131				N1
1,2-Dichloroethane-d4	0.5010	N/A	2.500		20%	63	123				N1
Dibromofluoromethane	0.5030	N/A	2.500		20%	63	123				N1
Toluene-d8	0.5230	N/A	2.500		21%	64	120				N1



Date: 29-Oct-07

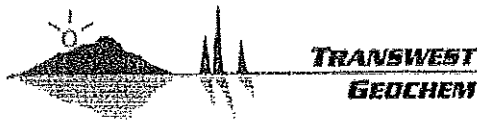
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100351
 Project: TFD/TCC Well 1

QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS-14997	Batch ID: 14997			Test Code: EPA 8310				Date Analyzed: 10/19/07 20:38			
				Units: mg/Kg				Date Prepared: 10/18/07			
Acenaphthene	1.608	0.40	2.000		80%	70	130				
Acenaphthylene	3.460	0.40	4.000		87%	70	130				
Anthracene	0.1900	0.040	0.2000		95%	70	130				
Benz[a]anthracene	0.1830	0.040	0.2000		92%	70	130				
Benzo[a]pyrene	0.1810	0.010	0.2000		91%	70	130				V1
Benzo[b]fluoranthene	0.3540	0.040	0.4000		89%	70	130				
Benzo[g,h,i]perylene	0.3610	0.040	0.4000		90%	70	130				
Benzo[k]fluoranthene	0.1780	0.040	0.2000		89%	70	130				
Chrysene	0.1790	0.040	0.2000		90%	70	130				
Dibenz[a,h]anthracene	0.3340	0.040	0.4000		84%	70	130				
Fluoranthene	0.3410	0.040	0.4000		85%	70	130				
Fluorene	0.3490	0.040	0.4000		87%	70	130				
Indeno[1,2,3-cd]pyrene	0.1980	0.020	0.2000		99%	70	130				
Naphthalene	1.602	0.10	2.000		80%	70	130				
Phenanthrene	0.1800	0.080	0.2000		90%	70	130				
Pyrene	0.1640	0.040	0.2000		82%	70	130				
2-Chloroanthracene	0.9440	N/A	1.000		94%	51	125				
Sample ID: LCSD-14997	Batch ID: 14997			Test Code: EPA 8310				Date Analyzed: 10/19/07 21:09			
				Units: mg/Kg				Date Prepared: 10/18/07			
Acenaphthene	1.885	0.40	2.000		94%	70	130	1.608	16%	20	
Acenaphthylene	4.023	0.40	4.000		101%	70	130	3.46	15%	20	
Anthracene	0.2110	0.040	0.2000		106%	70	130	0.19	10%	20	
Benz[a]anthracene	0.2080	0.040	0.2000		104%	70	130	0.183	13%	20	
Benzo[a]pyrene	0.2110	0.010	0.2000		106%	70	130	0.181	15%	22	V1
Benzo[b]fluoranthene	0.4080	0.040	0.4000		102%	70	130	0.354	14%	20	
Benzo[g,h,i]perylene	0.4130	0.040	0.4000		103%	70	130	0.361	13%	20	
Benzo[k]fluoranthene	0.2040	0.040	0.2000		102%	70	130	0.178	14%	20	
Chrysene	0.2060	0.040	0.2000		103%	70	130	0.179	14%	20	
Dibenz[a,h]anthracene	0.3880	0.040	0.4000		97%	70	130	0.334	15%	20	
Fluoranthene	0.3990	0.040	0.4000		100%	70	130	0.341	16%	21	
Fluorene	0.4020	0.040	0.4000		101%	70	130	0.349	14%	20	
Indeno[1,2,3-cd]pyrene	0.2300	0.020	0.2000		115%	70	130	0.198	15%	20	
Naphthalene	1.938	0.10	2.000		97%	70	130	1.602	19%	20	
Phenanthrene	0.2090	0.080	0.2000		105%	70	130	0.18	15%	20	
Pyrene	0.1970	0.040	0.2000		99%	70	130	0.164	18%	25	
2-Chloroanthracene	1.060	N/A	1.000		106%	51	125				



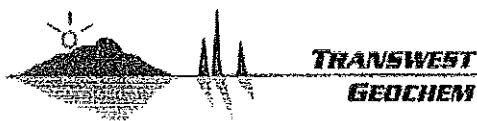
Date: 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100351
 Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS 10/13	Batch ID: GCMS_T_071017A		Test Code: SW8260B			Date Analyzed: 10/17/07 14:20		Date Prepared: 10/13/07			
	Units: mg/Kg										
Acetone	2.030	1.5	2.000		102%	45	152				V1
Benzene	0.9890	0.050	1.000		99%	70	130				
Bromobenzene	0.9960	0.25	1.000		100%	70	130				
Bromochloromethane	1.005	0.050	1.000		101%	70	130				
Bromodichloromethane	0.9575	0.050	1.000		96%	70	130				
Bromoform	1.014	0.10	1.000		101%	70	130				
Bromomethane	0.9495	0.50	1.000		95%	51	147				
2-Butanone	2.019	0.50	2.000		101%	47	131				
n-Butylbenzene	0.9850	0.25	1.000		99%	70	130				
sec-Butylbenzene	0.9675	0.25	1.000		97%	70	130				
tert-Butylbenzene	0.9730	0.25	1.000		97%	70	130				
Carbon disulfide	1.698	0.50	2.000		85%	45	127				
Carbon tetrachloride	0.9640	0.050	1.000		96%	70	130				
Chlorobenzene	0.9655	0.050	1.000		97%	70	130				
Dibromochloromethane	0.9970	0.050	1.000		100%	70	130				
Chloroethane	0.8580	0.50	1.000		86%	54	138				
Chloroform	1.010	0.050	1.000		101%	70	130				
Chloromethane	0.6775	0.50	1.000		68%	28	149				
2-Chlorotoluene	0.9745	0.25	1.000		97%	70	130				
4-Chlorotoluene	0.9735	0.25	1.000		97%	70	130				
1,2-Dibromo-3-chloropropane	1.088	0.50	1.000		109%	70	130				
1,2-Dibromoethane	1.040	0.50	1.000		104%	70	130				
Dibromomethane	0.9945	0.25	1.000		99%	70	130				
1,2-Dichlorobenzene	0.9840	0.050	1.000		98%	70	130				
1,3-Dichlorobenzene	0.9680	0.050	1.000		97%	70	130				
1,4-Dichlorobenzene	0.9880	0.050	1.000		99%	70	130				
Dichlorodifluoromethane	0.4050	0.40	1.000		41%	13	153				N1
1,1-Dichloroethane	0.9905	0.050	1.000		99%	66	130				
1,2-Dichloroethane	1.008	0.050	1.000		101%	70	130				
1,1-Dichloroethene	0.9580	0.10	1.000		96%	59	130				
cis-1,2-Dichloroethene	0.9555	0.050	1.000		96%	70	130				
trans-1,2-Dichloroethene	0.8890	0.050	1.000		89%	63	123				
1,2-Dichloropropane	0.9870	0.050	1.000		99%	70	130				
1,3-Dichloropropane	1.047	0.25	1.000		105%	70	130				
2,2-Dichloropropane	1.020	0.25	1.000		102%	60	139				
1,1-Dichloropropene	0.9790	0.25	1.000		98%	70	130				
cis-1,3-Dichloropropene	1.045	0.050	1.000		105%	70	130				
trans-1,3-Dichloropropene	1.035	0.050	1.000		104%	70	130				
Ethylbenzene	1.001	0.10	1.000		100%	70	130				
Hexachlorobutadiene	0.9995	0.50	1.000		100%	70	130				
2-Hexanone	2.181	0.50	2.000		109%	70	130				
Iodomethane	1.876	0.50	2.000		94%	41	124				



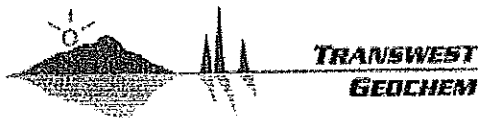
Date: 29-Oct-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100351
 Project: TFD/TCC Well 1

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.9785	0.25	1.000		98%	70	130				
4-Isopropyltoluene	0.9825	0.25	1.000		98%	70	130				
Methylene chloride	0.9060	0.50	1.000		91%	54	140				
4-Methyl-2-pentanone	2.148	0.50	2.000		107%	70	130				
Methyl tert-butyl ether	2.169	0.25	2.000		108%	68	139				
Naphthalene	1.036	0.25	1.000		104%	68	131				
n-Propylbenzene	0.9745	0.25	1.000		97%	70	130				
Styrene	1.024	0.25	1.000		102%	70	130				
1,1,1,2-Tetrachloroethane	1.008	0.25	1.000		101%	70	130				
1,1,2,2-Tetrachloroethane	1.047	0.10	1.000		105%	70	130				
Tetrachloroethene	0.9595	0.050	1.000		96%	70	130				
Toluene	0.9785	0.10	1.000		98%	70	130				
1,2,3-Trichlorobenzene	1.024	0.25	1.000		102%	64	133				
1,2,4-Trichlorobenzene	0.9925	0.25	1.000		99%	70	130				
1,1,1-Trichloroethane	0.9295	0.050	1.000		93%	70	130				
1,1,2-Trichloroethane	1.035	0.050	1.000		104%	70	130				
Trichloroethene	1.023	0.050	1.000		102%	70	130				
Trichlorofluoromethane	0.8530	0.50	1.000		85%	49	135				
1,2,3-Trichloropropane	1.017	0.25	1.000		102%	70	130				
1,2,4-Trimethylbenzene	0.9920	0.25	1.000		99%	70	130				
1,3,5-Trimethylbenzene	0.9940	0.25	1.000		99%	70	130				
Vinyl acetate	2.126	0.50	2.000		106%	41	142				
Vinyl chloride	0.8615	0.50	1.000		86%	37	148				
Xylenes, Total	2.963	0.15	3.000		99%	70	130				
4-Bromofluorobenzene	2.476	N/A	2.500		99%	59	131				
1,2-Dichloroethane-d4	2.494	N/A	2.500		100%	63	123				
Dibromofluoromethane	2.535	N/A	2.500		101%	63	123				
Toluene-d8	2.478	N/A	2.500		99%	64	120				



Date: 29-Oct-07

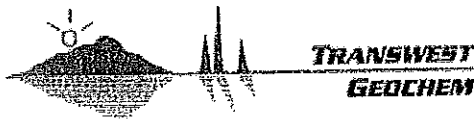
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100351
 Project: TFD/TCC Well 1

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD 10/13	Batch ID: GCMS_T_071017A			Test Code: SW8260B				Date Analyzed: 10/17/07 15:04			
				Units: mg/Kg				Date Prepared: 10/13/07			
Acetone	1.598	1.5	2.000		80%	45	152	2.03	24%	34	V1
Benzene	0.9805	0.050	1.000		98%	70	130	0.989	1%	20	
Bromobenzene	0.9895	0.25	1.000		99%	70	130	0.996	1%	20	
Bromochloromethane	0.9610	0.050	1.000		96%	70	130	1.005	4%	23	
Bromodichloromethane	0.9455	0.050	1.000		95%	70	130	0.9575	1%	20	
Bromoform	0.9400	0.10	1.000		94%	70	130	1.014	8%	20	
Bromomethane	0.9020	0.50	1.000		90%	51	147	0.9495	5%	30	
2-Butanone	1.756	0.50	2.000		88%	47	131	2.019	14%	31	
n-Butylbenzene	0.9850	0.25	1.000		99%	70	130	0.985	0%	20	
sec-Butylbenzene	0.9720	0.25	1.000		97%	70	130	0.9675	0%	20	
tert-Butylbenzene	0.9675	0.25	1.000		97%	70	130	0.973	1%	20	
Carbon disulfide	1.556	0.50	2.000		78%	45	127	1.698	9%	25	
Carbon tetrachloride	0.9275	0.050	1.000		93%	70	130	0.964	4%	20	
Chlorobenzene	0.9630	0.050	1.000		96%	70	130	0.9655	0%	20	
Dibromochloromethane	0.9325	0.050	1.000		93%	70	130	0.997	7%	20	
Chloroethane	0.8025	0.50	1.000		80%	54	138	0.858	7%	28	
Chloroform	0.9545	0.050	1.000		95%	70	130	1.01	6%	20	
Chloromethane	0.5840	0.50	1.000		58%	28	149	0.6775	15%	30	
2-Chlorotoluene	0.9700	0.25	1.000		97%	70	130	0.9745	0%	21	
4-Chlorotoluene	0.9640	0.25	1.000		96%	70	130	0.9735	1%	20	
1,2-Dibromo-3-chloropropane	0.9715	0.50	1.000		97%	70	130	1.088	11%	20	
1,2-Dibromoethane	0.9680	0.50	1.000		97%	70	130	1.04	7%	20	
Dibromomethane	0.9470	0.25	1.000		95%	70	130	0.9945	5%	20	
1,2-Dichlorobenzene	0.9665	0.050	1.000		97%	70	130	0.984	2%	20	
1,3-Dichlorobenzene	0.9555	0.050	1.000		96%	70	130	0.968	1%	20	
1,4-Dichlorobenzene	0.9690	0.050	1.000		97%	70	130	0.988	2%	20	
Dichlorodifluoromethane	0.3150	0.30	1.000		32%	13	153	0.405	25%	27	N1
1,1-Dichloroethane	0.9335	0.050	1.000		93%	66	130	0.9905	6%	20	
1,2-Dichloroethane	0.9535	0.050	1.000		95%	70	130	1.008	6%	20	
1,1-Dichloroethene	0.9025	0.10	1.000		90%	59	130	0.958	6%	25	
cis-1,2-Dichloroethene	0.9040	0.050	1.000		90%	70	130	0.9555	6%	20	
trans-1,2-Dichloroethene	0.8175	0.050	1.000		82%	63	123	0.889	8%	20	
1,2-Dichloropropane	0.9745	0.050	1.000		97%	70	130	0.987	1%	20	
1,3-Dichloropropane	0.9760	0.25	1.000		98%	70	130	1.047	7%	20	
2,2-Dichloropropane	0.9855	0.25	1.000		99%	60	139	1.02	3%	20	
1,1-Dichloropropene	0.9355	0.25	1.000		94%	70	130	0.979	5%	20	
cis-1,3-Dichloropropene	1.039	0.050	1.000		104%	70	130	1.045	1%	20	
trans-1,3-Dichloropropene	0.9910	0.050	1.000		99%	70	130	1.035	4%	20	
Ethylbenzene	0.9830	0.10	1.000		98%	70	130	1.001	2%	20	
Hexachlorobutadiene	0.9885	0.50	1.000		99%	70	130	0.9995	1%	20	
2-Hexanone	1.916	0.50	2.000		96%	70	130	2.181	13%	21	
Iodomethane	1.762	0.50	2.000		88%	41	124	1.876	6%	26	



Date: 29-Oct-07

License No. AZM133/AZ0133

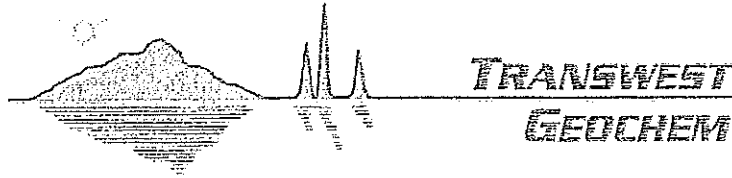
CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100351
 Project: TFD/TCC Well 1

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.9525	0.25	1.000		95%	70	130	0.9785	3%	20	
4-Isopropyltoluene	0.9940	0.25	1.000		99%	70	130	0.9825	1%	20	
Methylene chloride	0.8895	0.50	1.000		89%	54	140	0.906	2%	26	
4-Methyl-2-pentanone	2.007	0.50	2.000		100%	70	130	2.148	7%	23	
Methyl tert-butyl ether	1.979	0.25	2.000		99%	68	139	2.169	9%	20	
Naphthalene	0.9795	0.25	1.000		98%	68	131	1.036	6%	22	
n-Propylbenzene	0.9765	0.25	1.000		98%	70	130	0.9745	0%	20	
Styrene	0.9940	0.25	1.000		99%	70	130	1.024	3%	20	
1,1,1,2-Tetrachloroethane	0.9590	0.25	1.000		96%	70	130	1.008	5%	20	
1,1,2,2-Tetrachloroethane	0.9610	0.10	1.000		96%	70	130	1.047	9%	20	
Tetrachloroethene	0.9495	0.050	1.000		95%	70	130	0.9595	1%	20	
Toluene	0.9690	0.10	1.000		97%	70	130	0.9785	1%	20	
1,2,3-Trichlorobenzene	1.001	0.25	1.000		100%	64	133	1.024	2%	24	
1,2,4-Trichlorobenzene	0.9620	0.25	1.000		96%	70	130	0.9925	3%	20	
1,1,1-Trichloroethane	0.9045	0.050	1.000		90%	70	130	0.9295	3%	20	
1,1,2-Trichloroethane	0.9700	0.050	1.000		97%	70	130	1.035	6%	20	
Trichloroethene	0.9595	0.050	1.000		96%	70	130	1.023	6%	20	
Trichlorofluoromethane	0.7430	0.50	1.000		74%	49	135	0.853	14%	28	
1,2,3-Trichloropropane	0.9480	0.25	1.000		95%	70	130	1.017	7%	20	
1,2,4-Trimethylbenzene	0.9705	0.25	1.000		97%	70	130	0.992	2%	20	
1,3,5-Trimethylbenzene	0.9750	0.25	1.000		98%	70	130	0.994	2%	20	
Vinyl acetate	1.893	0.50	2.000		95%	41	142	2.126	12%	27	
Vinyl chloride	0.7835	0.50	1.000		78%	37	148	0.8615	9%	30	
Xylenes, Total	2.89	0.15	3.000		96%	70	130	2.963	2%	20	
4-Bromofluorobenzene	2.401	N/A	2.500		96%	59	131				
1,2-Dichloroethane-d4	2.382	N/A	2.500		95%	63	123				
Dibromofluoromethane	2.406	N/A	2.500		96%	63	123				
Toluene-d8	2.467	N/A	2.500		99%	64	120				

Storage Location: _____



Sample Receipt Checklist

Client Name: FEC

Date and Time Received: 10/11/07 16:10

Work Order Number: 07100351

Checked by: KK

Checklist completed by: [Signature]
Signature / Date

Logged In by: _____
Initials / Date

Matrix: Soil Carrier Name: (Client) TGI

Reviewed by: _____
Initials / Date

COMMENTS

- | | | | |
|---|--|-------------------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Temp: <u>4.02</u> Wet Ice Present <input checked="" type="checkbox"/> |
| Where was the temperature reading taken at? | Sample <input checked="" type="checkbox"/> | Temp Blank <input type="checkbox"/> | Other: _____ |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> Checked by: _____ |
| Water - Sulfides present in Cyanide samples? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |
| Samples considered Drinking Water for metal analysis? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> |

Comments: _____

Person contacted: _____ Date contacted: _____ Contacted by: _____

Regarding: _____

Corrective Action: _____



**TRANSWEST
GEOCHEM**

Storage Location: 5-
brass

Sample Receipt Checklist

Client Name: EEC

Work Order Number: 07100 351

Checklist completed by: [Signature] 10/12/07
Signature / Date

Date and Time Received: 10/12/07
9:50

Checked by: [Signature]

Logged In by: [Signature] 10/12/07
Initials / Date

Matrix: Soil Carrier Name: Client TGI Express IT

Reviewed by: [Signature] 10-12-07
Initials / Date

	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	<u>COMMENTS</u>
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Custody seals intact on sample bottles?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Chain of custody signed when relinquished and received?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Chain of custody agrees with sample labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Sample containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Sufficient sample volume for indicated test?	<input type="checkbox"/>	<input type="checkbox"/>		
All samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Temperature in compliance?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Where was the temperature reading taken at?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Water - VOA vials have zero headspace?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temp: <u>4.0</u>	Wet Ice Present <input type="checkbox"/>
Water - pH acceptable upon receipt?	<input type="checkbox"/>	<input type="checkbox"/>	Other: <u>N/A</u>	
Water - Sulfides present in Cyanide samples?	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>	Checked by: _____
Samples considered Drinking Water for metal analysis?	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>	

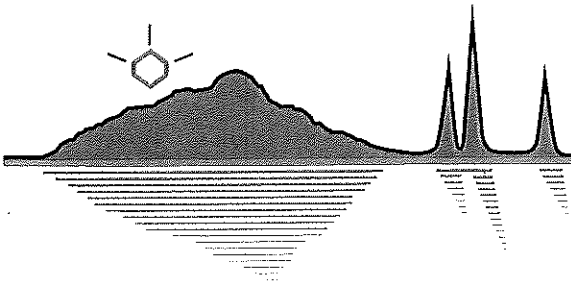
Comments: _____

Person contacted: _____ Date contacted: _____ Contacted by: _____

Regarding: _____

Corrective Action: _____

NOV 21 2007



TRANSWEST
GEOCHEM

November 19, 2007

Kevin Pierce
Environmental & Engineering Consultants, Inc.
4625 E. Ft. Lowell Rd.
Tucson, AZ 85712

RE: TCC MW Install/206100

Work Order No.: 07100569

Dear Kevin,

Transwest Geochem, Inc. received 3 samples on 10/18/07. The results of the analyses are presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Tracy Dutton
Project Manager

ADHS License No. AZM133/AZ0133

CC: Alison Jones, City of Tucson

Date Printed: 19-Nov-07

Client: Environmental & Engineering Consultants,
Work Order: 07100569
Project Name: TCC MW Install
Project Number: 206100

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

Analytical Comments for Method SW8260B, Matrix Spike 07100551-01, Batch GCMS_T_071019A:
The PQL was lowered for Dichlorodifluoromethane in order to calculate % Recovery and RPD.



**TRANSWEST
GEOCHEM**

Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TCC MW Install
Project Number:
Work Order: 07100569
Date Received: 18-Oct-07

Case Narrative
Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

D2 Sample required dilution due to high concentration of target analyte.



**TRANSWEST
GEOCHEM**

Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Project Name: TCC MW Install
Project Number:
Work Order: 07100569

Work Order Sample Summary

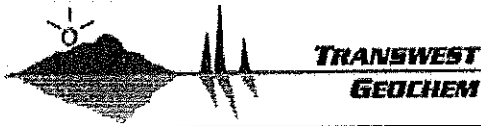
Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
HQUST-533A-50'	07100569-01A	EPA 8310	10/18/07 10:39 AM	10/18/07 04:25 PM
		SW8260B	10/18/07 10:39 AM	10/18/07 04:25 PM
HQUST-533A-55'	07100569-02A	EPA 8310	10/18/07 10:56 AM	10/18/07 04:25 PM
		SW8260B	10/18/07 10:56 AM	10/18/07 04:25 PM
HQUST-533A-60'	07100569-03A	EPA 8310	10/18/07 11:22 AM	10/18/07 04:25 PM
		SW8260B	10/18/07 11:22 AM	10/18/07 04:25 PM



CLIENT: Environmental & Engineering Consultants,
Project Name: TCC MW Install
Project Number:
Work Order: 07100569
Date Received: 18-Oct-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



Date Printed: 19-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants, Inc.
Project Name: TCC MW Install
Project Number:
Work Order: 07100569
Date Received: 18-Oct-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, July 2005.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996. Update IIIA, June 1999; and Update IIIB July 2005.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM MethodD4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

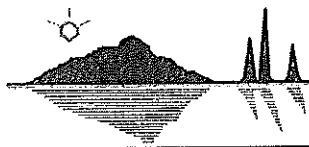
The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.

EPA Method 9013A, Cyanide Extraction Procedure for Solids and Oils. (Rev, 1 November 2004)

EPA Method 5035A, Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples (draft rev. 1 July 2002)

EPA Method 5030C, Purge-and-Trap for Aqueous Samples (rev.3 May 2003)

Office of Ground Water and Drinking Water Technical Support Center, EPA 815-R-05-004, Manual for Certification of Drinking Water, (5th Edition January 2005)



**TRANSWEST
GEOCHEM**

Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-01
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-50'
Collection Date: 10/18/2007 10:39:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
2-Chloroanthracene(Surrogate)	78	51-125		%REC	1.0	EPA 8310	10/22/07	10/24/07 19:12	MJB	15027
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A



**TRANSWEST
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Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-01
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-50'
Collection Date: 10/18/2007 10:39:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A



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Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-01
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-50'
Collection Date: 10/18/2007 10:39:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Vinyl acetate	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
4-Bromofluorobenzene(Surrogate)	107	59-131		%REC	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
1,2-Dichloroethane-d4(Surrogate)	100	63-123		%REC	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Dibromofluoromethane(Surrogate)	106	63-123		%REC	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A
Toluene-d8(Surrogate)	104	64-120		%REC	1.0	SW8260B	10/19/07	10/26/07 20:00	FEM	GCMS_T_071019A



**TRANSWEST
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Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-02
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-55'
Collection Date: 10/18/2007 10:56:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Naphthalene	<0.10	0.10		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
2-Chloroanthracene(Surrogate)	96	51-125		%REC	1.0	EPA 8310	10/22/07	10/24/07 19:43	MJB	15027
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Benzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Bromoform	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
n-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A



**TRANSWEST
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Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-02
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-55'
Collection Date: 10/18/2007 10:56:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Ethylbenzene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Isopropylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Naphthalene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
n-Propylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A



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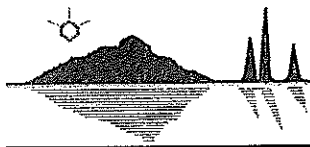
Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-02
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-55'
Collection Date: 10/18/2007 10:56:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Vinyl acetate	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Xylenes, Total	<0.15	0.15		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
4-Bromofluorobenzene(Surrogate)	92	59-131		%REC	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
1,2-Dichloroethane-d4(Surrogate)	85	63-123		%REC	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Dibromofluoromethane(Surrogate)	92	63-123		%REC	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A
Toluene-d8(Surrogate)	88	64-120		%REC	1.0	SW8260B	10/19/07	10/29/07 9:50	FEM	GCMS_T_071019A



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Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-03
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-60'
Collection Date: 10/18/2007 11:22:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Acenaphthylene	<0.40	0.40		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Benz[a]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Chrysene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Fluoranthene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Fluorene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Naphthalene	1.1	0.10		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Phenanthrene	<0.080	0.080		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Pyrene	<0.040	0.040		mg/Kg	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
2-Chloroanthracene(Surrogate)	92	51-125		%REC	1.0	EPA 8310	10/22/07	10/24/07 20:14	MJB	15027
Acetone	<1.5	1.5		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Benzene	0.54	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Bromobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Bromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Bromodichloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Bromoforn	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Bromomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
2-Butanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
n-Butylbenzene	0.90	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
sec-Butylbenzene	0.29	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Carbon disulfide	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Chlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Dibromochloromethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Chloroethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Chloroform	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Chloromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A



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Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-03
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-60'
Collection Date: 10/18/2007 11:22:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Dibromomethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Ethylbenzene	1.0	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
2-Hexanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Iodomethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Isopropylbenzene	0.52	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
4-Isopropyltoluene	0.27	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Methylene chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Naphthalene	1.3	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
n-Propylbenzene	1.7	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Styrene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Tetrachloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Toluene	<0.10	0.10		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Trichloroethene	<0.050	0.050		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2,4-Trimethylbenzene	6.4	1.3	D2	mg/Kg	5.0	SW8260B	10/19/07	10/30/07 16:25	FEM	GCMS_T_071019A
1,3,5-Trimethylbenzene	2.1	0.25		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A



**TRANSWEST
GEOCHEM**

Date Printed 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Lab ID: 07100569-03
Project Name: TCC MW Install
Project Number:

Client Sample ID: HQUST-533A-60'
Collection Date: 10/18/2007 11:22:00 AM
Matrix: Soil

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Vinyl acetate	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Vinyl chloride	<0.50	0.50		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Xylenes, Total	1.5	0.15		mg/Kg	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
4-Bromofluorobenzene(Surrogate)	88	59-131		%REC	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
1,2-Dichloroethane-d4(Surrogate)	83	63-123		%REC	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Dibromofluoromethane(Surrogate)	87	63-123		%REC	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A
Toluene-d8(Surrogate)	87	64-120		%REC	1.0	SW8260B	10/19/07	10/29/07 10:33	FEM	GCMS_T_071019A



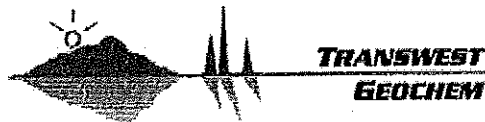
**TRANSWEST
GEOCHEM**

Date: 19-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acenaphthene	<0.40	0.40		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Acenaphthylene	<0.40	0.40		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Benzo[a]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Benzo[a]pyrene	<0.010	0.010		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Benzo[b]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Benzo[g,h,i]perylene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Benzo[k]fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Chrysene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Dibenz[a,h]anthracene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Fluoranthene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Fluorene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Indeno[1,2,3-cd]pyrene	<0.020	0.020		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Naphthalene	<0.10	0.10		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Phenanthrene	<0.080	0.080		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
Pyrene	<0.040	0.040		mg/Kg	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027
2-Chloroanthracene	83	51-125		%REC	1	EPA 8310	10/22/07	10/24/07 13:29	MJB	15027

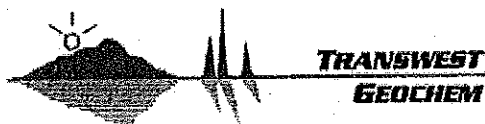


Date: 19-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A



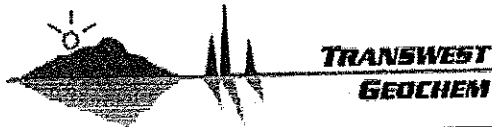
Date: 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
4-Bromofluorobenzene	90	59-131		%REC	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
1,2-Dichloroethane-d4	89	63-123		%REC	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Dibromofluoromethane	93	63-123		%REC	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A
Toluene-d8	89	64-120		%REC	1	SW8260B	10/19/07	10/26/07 9:50	FEM	GCMS_T_071019A

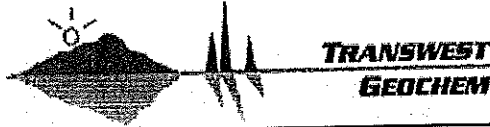


Date: 19-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual	
Sample ID: 07100551-01A-MS		Batch ID: 15027		Test Code: EPA 8310			Date Analyzed: 10/24/07 15:33					
Client ID:					Units: mg/Kg			Date Prepared: 10/22/07				
Acenaphthene	1.563	0.40	2.000		78%	70	130					
Acenaphthylene	3.165	0.40	4.000		79%	48	131					
Anthracene	0.1770	0.040	0.2000		89%	52	121					
Benz[a]anthracene	0.1860	0.040	0.2000		93%	55	123					
Benzo[a]pyrene	0.1840	0.010	0.2000	0.026	79%	53	115					
Benzo[b]fluoranthene	0.3410	0.040	0.4000		85%	70	130					
Benzo[g,h,i]perylene	0.3440	0.040	0.4000		86%	70	130					
Benzo[k]fluoranthene	0.1710	0.040	0.2000		86%	70	130					
Chrysene	0.1780	0.040	0.2000		89%	54	129					
Dibenz[a,h]anthracene	0.3180	0.040	0.4000		80%	70	130					
Fluoranthene	0.3310	0.040	0.4000		83%	47	138					
Fluorene	0.3170	0.040	0.4000		79%	70	130					
Indeno[1,2,3-cd]pyrene	0.2110	0.020	0.2000		106%	70	130					
Naphthalene	1.553	0.10	2.000		78%	51	112					
Phenanthrene	0.1650	0.080	0.2000		83%	45	133					
Pyrene	0.1670	0.040	0.2000		84%	51	123					
2-Chloroanthracene	0.7980	N/A	1.000		80%	51	125					
Sample ID: 07100551-01A-MSD		Batch ID: 15027		Test Code: EPA 8310			Date Analyzed: 10/24/07 16:04					
Client ID:					Units: mg/Kg			Date Prepared: 10/22/07				
Acenaphthene	1.730	0.40	2.000		87%	70	130	1.563	10%	28		
Acenaphthylene	3.544	0.40	4.000		89%	48	131	3.165	11%	27		
Anthracene	0.2060	0.040	0.2000		103%	52	121	0.177	15%	35		
Benz[a]anthracene	0.2250	0.040	0.2000		113%	55	123	0.186	19%	26		
Benzo[a]pyrene	0.2130	0.010	0.2000	0.026	94%	53	115	0.184	15%	27		
Benzo[b]fluoranthene	0.3950	0.040	0.4000		99%	70	130	0.341	15%	25		
Benzo[g,h,i]perylene	0.3980	0.040	0.4000		100%	70	130	0.344	15%	26		
Benzo[k]fluoranthene	0.1970	0.040	0.2000		99%	70	130	0.171	14%	25		
Chrysene	0.2060	0.040	0.2000		103%	54	129	0.178	15%	25		
Dibenz[a,h]anthracene	0.3550	0.040	0.4000		89%	70	130	0.318	11%	25		
Fluoranthene	0.3710	0.040	0.4000		93%	47	138	0.331	11%	33		
Fluorene	0.3610	0.040	0.4000		90%	70	130	0.317	13%	24		
Indeno[1,2,3-cd]pyrene	0.2550	0.020	0.2000		128%	70	130	0.211	19%	28		
Naphthalene	1.722	0.10	2.000		86%	51	112	1.553	10%	32		
Phenanthrene	0.1890	0.080	0.2000		95%	45	133	0.165	14%	28		
Pyrene	0.2040	0.040	0.2000		102%	51	123	0.167	20%	29		
2-Chloroanthracene	0.8970	N/A	1.000		90%	51	125					

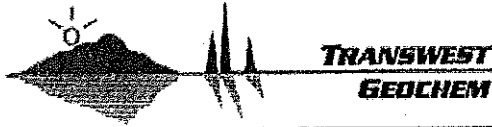


Date: 19-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 07100551-01AMS	Batch ID: GCMS_T_071019A		Test Code: SW8260B			Date Analyzed: 10/29/07 12:00					
Client ID:						Units: mg/Kg		Date Prepared: 10/19/07			
Acetone	1.510	1.5	2.000		76%	39	147				
Benzene	0.9695	0.050	1.000		97%	70	130				
Bromobenzene	0.9850	0.25	1.000		99%	70	130				
Bromochloromethane	0.9610	0.050	1.000		96%	70	130				
Bromodichloromethane	0.9550	0.050	1.000		96%	70	130				
Bromoform	0.9350	0.10	1.000		94%	70	130				
Bromomethane	0.8405	0.50	1.000		84%	46	148				
2-Butanone	1.672	0.50	2.000		84%	49	122				
n-Butylbenzene	0.9215	0.25	1.000		92%	70	130				
sec-Butylbenzene	0.9380	0.25	1.000		94%	70	130				
tert-Butylbenzene	0.9395	0.25	1.000		94%	70	130				
Carbon disulfide	1.854	0.50	2.000		93%	40	124				
Carbon tetrachloride	0.9665	0.050	1.000		97%	70	130				
Chlorobenzene	0.9710	0.050	1.000		97%	70	130				
Dibromochloromethane	0.9345	0.050	1.000		93%	70	130				
Chloroethane	0.8720	0.50	1.000		87%	48	140				
Chloroform	0.9845	0.050	1.000		98%	70	130				
Chloromethane	0.6090	0.50	1.000		61%	23	147				
2-Chlorotoluene	0.9450	0.25	1.000		95%	70	130				
4-Chlorotoluene	0.9615	0.25	1.000		96%	70	130				
1,2-Dibromo-3-chloropropane	0.9175	0.50	1.000		92%	66	130				
1,2-Dibromoethane	0.9560	0.50	1.000		96%	70	130				
Dibromomethane	0.9565	0.25	1.000		96%	70	130				
1,2-Dichlorobenzene	0.9420	0.050	1.000		94%	70	130				
1,3-Dichlorobenzene	0.9405	0.050	1.000		94%	70	130				
1,4-Dichlorobenzene	0.9505	0.050	1.000		95%	70	130				
Dichlorodifluoromethane	0.4765	0.45	1.000		48%	8	164				
1,1-Dichloroethane	0.9770	0.050	1.000		98%	55	135				
1,2-Dichloroethane	0.9375	0.050	1.000		94%	70	130				
1,1-Dichloroethene	0.9300	0.10	1.000		93%	50	132				
cis-1,2-Dichloroethene	0.9720	0.050	1.000		97%	63	126				
trans-1,2-Dichloroethene	0.9970	0.050	1.000		100%	58	123				
1,2-Dichloropropane	0.9500	0.050	1.000		95%	70	130				
1,3-Dichloropropane	0.9310	0.25	1.000		93%	70	130				
2,2-Dichloropropane	0.9805	0.25	1.000		98%	55	125				
1,1-Dichloropropene	0.9935	0.25	1.000		99%	70	130				
cis-1,3-Dichloropropene	0.9760	0.050	1.000		98%	70	130				
trans-1,3-Dichloropropene	0.9610	0.050	1.000		96%	70	130				
Ethylbenzene	0.9845	0.10	1.000		98%	70	130				
Hexachlorobutadiene	0.9040	0.50	1.000		90%	70	130				
2-Hexanone	1.863	0.50	2.000		93%	70	130				
Iodomethane	2.054	0.50	2.000		103%	42	109				

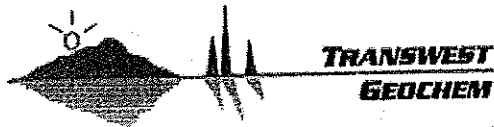


Date: 19-Nov-07
 License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100569
 Project: TCC MW Install

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.9865	0.25	1.000		99%	70	130				
4-Isopropyltoluene	0.9495	0.25	1.000		95%	70	130				
Methylene chloride	0.9080	0.50	1.000		91%	51	134				
4-Methyl-2-pentanone	1.870	0.50	2.000		94%	60	130				
Methyl tert-butyl ether	1.951	0.25	2.000		98%	70	130				
Naphthalene	0.8605	0.25	1.000		86%	62	132				
n-Propylbenzene	0.9450	0.25	1.000		95%	64	124				
Styrene	1.008	0.25	1.000		101%	70	130				
1,1,1,2-Tetrachloroethane	0.9770	0.25	1.000		98%	70	130				
1,1,2,2-Tetrachloroethane	0.9195	0.10	1.000		92%	66	126				
Tetrachloroethene	0.9870	0.050	1.000		99%	62	125				
Toluene	0.9825	0.10	1.000		98%	63	124				
1,2,3-Trichlorobenzene	0.7770	0.25	1.000		78%	57	127				
1,2,4-Trichlorobenzene	0.8835	0.25	1.000		88%	70	130				
1,1,1-Trichloroethane	0.9750	0.050	1.000		98%	70	130				
1,1,2-Trichloroethane	0.9445	0.050	1.000		94%	70	130				
Trichloroethene	1.002	0.050	1.000		100%	70	130				
Trichlorofluoromethane	0.9385	0.50	1.000		94%	42	137				
1,2,3-Trichloropropane	1.000	0.25	1.000		100%	70	130				
1,2,4-Trimethylbenzene	0.9625	0.25	1.000		96%	70	130				
1,3,5-Trimethylbenzene	0.9525	0.25	1.000		95%	66	127				
Vinyl acetate	1.332	0.50	2.000		67%	32	133				
Vinyl chloride	0.8485	0.50	1.000		85%	32	150				
Xylenes, Total	2.989	0.15	3.000		100%	70	130				
4-Bromofluorobenzene	2.424	N/A	2.500		97%	59	131				
1,2-Dichloroethane-d4	2.212	N/A	2.500		88%	63	123				
Dibromofluoromethane	2.392	N/A	2.500		96%	63	123				
Toluene-d8	2.379	N/A	2.500		95%	64	120				

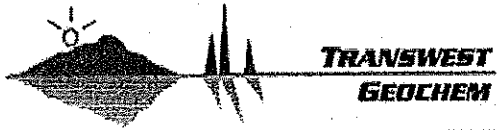


Date: 19-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 07100551-01AMSD	Batch ID: GCMS_T_071019A		Test Code: SW8260B			Date Analyzed: 10/29/07 12:44					
Client ID:				Units: mg/Kg			Date Prepared: 10/19/07				
Acetone	1.716	1.5	2.000		86%	39	147	1.51	13%	38	
Benzene	1.012	0.050	1.000		101%	70	130	0.9695	4%	20	
Bromobenzene	0.9885	0.25	1.000		99%	70	130	0.985	0%	20	
Bromochloromethane	0.9930	0.050	1.000		99%	70	130	0.961	3%	24	
Bromodichloromethane	1.004	0.050	1.000		100%	70	130	0.955	5%	20	
Bromoform	0.9970	0.10	1.000		100%	70	130	0.935	6%	20	
Bromomethane	0.9085	0.50	1.000		91%	46	148	0.8405	8%	31	
2-Butanone	1.634	0.50	2.000		82%	49	122	1.672	2%	29	
n-Butylbenzene	0.9325	0.25	1.000		93%	70	130	0.9215	1%	20	
sec-Butylbenzene	0.9455	0.25	1.000		95%	70	130	0.938	1%	20	
tert-Butylbenzene	0.9505	0.25	1.000		95%	70	130	0.9395	1%	20	
Carbon disulfide	1.904	0.50	2.000		95%	40	124	1.854	3%	27	
Carbon tetrachloride	1.041	0.050	1.000		104%	70	130	0.9665	7%	20	
Chlorobenzene	0.9995	0.050	1.000		100%	70	130	0.971	3%	20	
Dibromochloromethane	1.000	0.050	1.000		100%	70	130	0.9345	7%	20	
Chloroethane	0.9115	0.50	1.000		91%	48	140	0.872	4%	28	
Chloroform	0.9915	0.050	1.000		99%	70	130	0.9845	1%	20	
Chloromethane	0.6630	0.50	1.000		66%	23	147	0.609	8%	28	
2-Chlorotoluene	0.9625	0.25	1.000		96%	70	130	0.945	2%	23	
4-Chlorotoluene	0.9730	0.25	1.000		97%	70	130	0.9615	1%	23	
1,2-Dibromo-3-chloropropane	0.9380	0.50	1.000		94%	66	130	0.9175	2%	23	
1,2-Dibromoethane	0.9965	0.50	1.000		100%	70	130	0.956	4%	20	
Dibromomethane	0.9880	0.25	1.000		99%	70	130	0.9565	3%	20	
1,2-Dichlorobenzene	0.9475	0.050	1.000		95%	70	130	0.942	1%	20	
1,3-Dichlorobenzene	0.9655	0.050	1.000		97%	70	130	0.9405	3%	20	
1,4-Dichlorobenzene	0.9710	0.050	1.000		97%	70	130	0.9505	2%	20	
Dichlorodifluoromethane	0.5240	0.50	1.000		52%	8	164	0.4765	9%	35	
1,1-Dichloroethane	0.9805	0.050	1.000		98%	55	135	0.977	0%	24	
1,2-Dichloroethane	0.9755	0.050	1.000		98%	70	130	0.9375	4%	20	
1,1-Dichloroethene	0.9515	0.10	1.000		95%	50	132	0.93	2%	30	
cis-1,2-Dichloroethene	1.003	0.050	1.000		100%	63	126	0.972	3%	22	
trans-1,2-Dichloroethene	0.9730	0.050	1.000		97%	58	123	0.997	2%	24	
1,2-Dichloropropane	0.9935	0.050	1.000		99%	70	130	0.95	4%	20	
1,3-Dichloropropane	0.9860	0.25	1.000		99%	70	130	0.931	6%	20	
2,2-Dichloropropane	1.001	0.25	1.000		100%	55	125	0.9805	2%	21	
1,1-Dichloropropene	1.042	0.25	1.000		104%	70	130	0.9935	5%	20	
cis-1,3-Dichloropropene	1.003	0.050	1.000		100%	70	130	0.976	3%	20	
trans-1,3-Dichloropropene	0.9715	0.050	1.000		97%	70	130	0.961	1%	20	
Ethylbenzene	1.003	0.10	1.000		100%	70	130	0.9845	2%	20	
Hexachlorobutadiene	0.9760	0.50	1.000		98%	70	130	0.904	8%	20	
2-Hexanone	1.890	0.50	2.000		95%	70	130	1.863	1%	24	
Iodomethane	2.134	0.50	2.000		107%	42	109	2.054	4%	26	



Date: 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	1.004	0.25	1.000		100%	70	130	0.9865	2%	20	
4-Isopropyltoluene	0.9685	0.25	1.000		97%	70	130	0.9495	2%	20	
Methylene chloride	0.9335	0.50	1.000		93%	51	134	0.908	3%	26	
4-Methyl-2-pentanone	1.948	0.50	2.000		97%	60	130	1.87	4%	25	
Methyl tert-butyl ether	1.996	0.25	2.000		100%	70	130	1.951	2%	20	
Naphthalene	0.8915	0.25	1.000		89%	62	132	0.8605	4%	33	
n-Propylbenzene	0.9535	0.25	1.000		95%	64	124	0.945	1%	21	
Styrene	1.008	0.25	1.000		101%	70	130	1.008	0%	20	
1,1,1,2-Tetrachloroethane	0.9935	0.25	1.000		99%	70	130	0.977	2%	20	
1,1,2,2-Tetrachloroethane	0.9560	0.10	1.000		96%	66	126	0.9195	4%	25	
Tetrachloroethene	0.9960	0.050	1.000		100%	62	125	0.987	1%	22	
Toluene	0.9780	0.10	1.000		98%	63	124	0.9825	0%	22	
1,2,3-Trichlorobenzene	0.8425	0.25	1.000		84%	57	127	0.777	8%	35	
1,2,4-Trichlorobenzene	0.9105	0.25	1.000		91%	70	130	0.8835	3%	23	
1,1,1-Trichloroethane	0.9795	0.050	1.000		98%	70	130	0.975	0%	20	
1,1,2-Trichloroethane	0.9465	0.050	1.000		95%	70	130	0.9445	0%	20	
Trichloroethene	1.030	0.050	1.000		103%	70	130	1.002	3%	21	
Trichlorofluoromethane	0.9750	0.50	1.000		98%	42	137	0.9385	4%	29	
1,2,3-Trichloropropane	0.9890	0.25	1.000		99%	70	130	1	1%	21	
1,2,4-Trimethylbenzene	0.9585	0.25	1.000		96%	70	130	0.9625	0%	20	
1,3,5-Trimethylbenzene	0.9805	0.25	1.000		98%	66	127	0.9525	3%	21	
Vinyl acetate	1.281	0.50	2.000		64%	32	133	1.332	4%	34	
Vinyl chloride	0.8900	0.50	1.000		89%	32	150	0.8485	5%	32	
Xylenes, Total	2.987	0.15	3.000		100%	70	130	2.989	0%	20	
4-Bromofluorobenzene	2.441	N/A	2.500		98%	59	131				
1,2-Dichloroethane-d4	2.331	N/A	2.500		93%	63	123				
Dibromofluoromethane	2.457	N/A	2.500		98%	63	123				
Toluene-d8	2.430	N/A	2.500		97%	64	120				

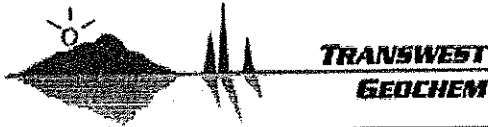


Date: 19-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS-15027		Batch ID: 15027		Test Code: EPA 8310			Date Analyzed: 10/24/07 14:00				
				Units: mg/Kg			Date Prepared: 10/22/07				
Acenaphthene	1.640	0.40	2.000		82%	70	130				
Acenaphthylene	3.295	0.40	4.000		82%	70	130				
Anthracene	0.1870	0.040	0.2000		94%	70	130				
Benzo[a]anthracene	0.1870	0.040	0.2000		94%	70	130				
Benzo[a]pyrene	0.1710	0.010	0.2000		86%	70	130				
Benzo[b]fluoranthene	0.3440	0.040	0.4000		86%	70	130				
Benzo[g,h,i]perylene	0.3360	0.040	0.4000		84%	70	130				
Benzo[k]fluoranthene	0.1710	0.040	0.2000		86%	70	130				
Chrysene	0.1690	0.040	0.2000		85%	70	130				
Dibenz[a,h]anthracene	0.3280	0.040	0.4000		82%	70	130				
Fluoranthene	0.3360	0.040	0.4000		84%	70	130				
Fluorene	0.3280	0.040	0.4000		82%	70	130				
Indeno[1,2,3-cd]pyrene	0.2070	0.020	0.2000		104%	70	130				
Naphthalene	1.645	0.10	2.000		82%	70	130				
Phenanthrene	0.1660	0.080	0.2000		83%	70	130				
Pyrene	0.1430	0.040	0.2000		72%	70	130				
2-Chloroanthracene	0.8430	N/A	1.000		84%	51	125				
Sample ID: LCS-15027		Batch ID: 15027		Test Code: EPA 8310			Date Analyzed: 10/24/07 14:31				
				Units: mg/Kg			Date Prepared: 10/22/07				
Acenaphthene	1.635	0.40	2.000		82%	70	130	1.64	0%	20	
Acenaphthylene	3.320	0.40	4.000		83%	70	130	3.295	1%	20	
Anthracene	0.1850	0.040	0.2000		93%	70	130	0.187	1%	20	
Benzo[a]anthracene	0.1880	0.040	0.2000		94%	70	130	0.187	1%	20	
Benzo[a]pyrene	0.1770	0.010	0.2000		89%	70	130	0.171	3%	22	
Benzo[b]fluoranthene	0.3420	0.040	0.4000		86%	70	130	0.344	1%	20	
Benzo[g,h,i]perylene	0.3400	0.040	0.4000		85%	70	130	0.336	1%	20	
Benzo[k]fluoranthene	0.1720	0.040	0.2000		86%	70	130	0.171	1%	20	
Chrysene	0.1750	0.040	0.2000		88%	70	130	0.169	3%	20	
Dibenz[a,h]anthracene	0.3340	0.040	0.4000		84%	70	130	0.328	2%	20	
Fluoranthene	0.3420	0.040	0.4000		86%	70	130	0.336	2%	21	
Fluorene	0.3350	0.040	0.4000		84%	70	130	0.328	2%	20	
Indeno[1,2,3-cd]pyrene	0.2100	0.020	0.2000		105%	70	130	0.207	1%	20	
Naphthalene	1.663	0.10	2.000		83%	70	130	1.645	1%	20	
Phenanthrene	0.1670	0.080	0.2000		84%	70	130	0.166	1%	20	
Pyrene	0.1420	0.040	0.2000		71%	70	130	0.143	1%	25	
2-Chloroanthracene	0.8610	N/A	1.000		86%	51	125				

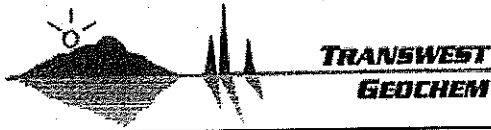


Date: 19-Nov-07
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS 10/19	Batch ID: GCMS_T_071019A		Test Code: SW8260B			Date Analyzed: 10/26/07 11:16		Date Prepared: 10/19/07			
	Units: mg/Kg										
Acetone	1.784	1.5	2.000		89%	45	152				
Benzene	0.9660	0.050	1.000		97%	70	130				
Bromobenzene	0.9945	0.25	1.000		99%	70	130				
Bromochloromethane	0.9775	0.050	1.000		98%	70	130				
Bromodichloromethane	0.9435	0.050	1.000		94%	70	130				
Bromoform	0.9225	0.10	1.000		92%	70	130				
Bromomethane	0.9235	0.50	1.000		92%	51	147				
2-Butanone	1.597	0.50	2.000		80%	47	131				
n-Butylbenzene	0.9295	0.25	1.000		93%	70	130				
sec-Butylbenzene	0.9375	0.25	1.000		94%	70	130				
tert-Butylbenzene	0.9390	0.25	1.000		94%	70	130				
Carbon disulfide	1.898	0.50	2.000		95%	45	127				
Carbon tetrachloride	0.9765	0.050	1.000		98%	70	130				
Chlorobenzene	0.9810	0.050	1.000		98%	70	130				
Dibromochloromethane	0.9230	0.050	1.000		92%	70	130				
Chloroethane	0.8890	0.50	1.000		89%	54	138				
Chloroform	0.9505	0.050	1.000		95%	70	130				
Chloromethane	0.6950	0.50	1.000		70%	28	149				
2-Chlorotoluene	0.9720	0.25	1.000		97%	70	130				
4-Chlorotoluene	0.9680	0.25	1.000		97%	70	130				
1,2-Dibromo-3-chloropropane	0.8600	0.50	1.000		86%	70	130				
1,2-Dibromoethane	0.9640	0.50	1.000		96%	70	130				
Dibromomethane	0.9470	0.25	1.000		95%	70	130				
1,2-Dichlorobenzene	0.9495	0.050	1.000		95%	70	130				
1,3-Dichlorobenzene	0.9510	0.050	1.000		95%	70	130				
1,4-Dichlorobenzene	0.9400	0.050	1.000		94%	70	130				
Dichlorodifluoromethane	0.5370	0.50	1.000		54%	13	153				
1,1-Dichloroethane	0.9580	0.050	1.000		96%	66	130				
1,2-Dichloroethane	0.9265	0.050	1.000		93%	70	130				
1,1-Dichloroethene	0.9045	0.10	1.000		90%	59	130				
cis-1,2-Dichloroethene	0.9285	0.050	1.000		93%	70	130				
trans-1,2-Dichloroethene	0.9595	0.050	1.000		96%	63	123				
1,2-Dichloropropane	0.9675	0.050	1.000		97%	70	130				
1,3-Dichloropropane	0.9360	0.25	1.000		94%	70	130				
2,2-Dichloropropane	0.9790	0.25	1.000		98%	60	139				
1,1-Dichloropropene	0.9770	0.25	1.000		98%	70	130				
cis-1,3-Dichloropropene	0.9800	0.050	1.000		98%	70	130				
trans-1,3-Dichloropropene	0.9585	0.050	1.000		96%	70	130				
Ethylbenzene	0.9880	0.10	1.000		99%	70	130				
Hexachlorobutadiene	0.8165	0.50	1.000		82%	70	130				
2-Hexanone	1.800	0.50	2.000		90%	70	130				
Iodomethane	2.008	0.50	2.000		100%	41	124				

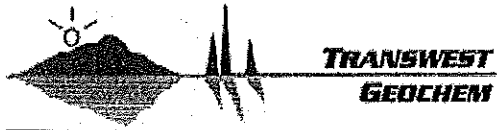


Date: 19-Nov-07
 License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
 Work Order: 07100569
 Project: TCC MW Install

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.9780	0.25	1.000		98%	70	130				
4-Isopropyltoluene	0.9590	0.25	1.000		96%	70	130				
Methylene chloride	0.9140	0.50	1.000		91%	54	140				
4-Methyl-2-pentanone	1.920	0.50	2.000		96%	70	130				
Methyl tert-butyl ether	1.918	0.25	2.000		96%	68	139				
Naphthalene	0.8570	0.25	1.000		86%	68	131				
n-Propylbenzene	0.9710	0.25	1.000		97%	70	130				
Styrene	0.9870	0.25	1.000		99%	70	130				
1,1,1,2-Tetrachloroethane	0.9705	0.25	1.000		97%	70	130				
1,1,2,2-Tetrachloroethane	0.9175	0.10	1.000		92%	70	130				
Tetrachloroethene	0.9850	0.050	1.000		99%	70	130				
Toluene	0.9700	0.10	1.000		97%	70	130				
1,2,3-Trichlorobenzene	0.8170	0.25	1.000		82%	64	133				
1,2,4-Trichlorobenzene	0.8740	0.25	1.000		87%	70	130				
1,1,1-Trichloroethane	0.9325	0.050	1.000		93%	70	130				
1,1,2-Trichloroethane	0.9530	0.050	1.000		95%	70	130				
Trichloroethene	0.9900	0.050	1.000		99%	70	130				
Trichlorofluoromethane	0.9480	0.50	1.000		95%	49	135				
1,2,3-Trichloropropane	0.9395	0.25	1.000		94%	70	130				
1,2,4-Trimethylbenzene	0.9570	0.25	1.000		96%	70	130				
1,3,5-Trimethylbenzene	0.9725	0.25	1.000		97%	70	130				
Vinyl acetate	2.765	0.50	2.000		138%	41	142				
Vinyl chloride	0.9060	0.50	1.000		91%	37	148				
Xylenes, Total	2.945	0.15	3.000		98%	70	130				
4-Bromofluorobenzene	2.421	N/A	2.500		97%	59	131				
1,2-Dichloroethane-d4	2.233	N/A	2.500		89%	63	123				
Dibromofluoromethane	2.348	N/A	2.500		94%	63	123				
Toluene-d8	2.408	N/A	2.500		96%	64	120				



Date: 19-Nov-07

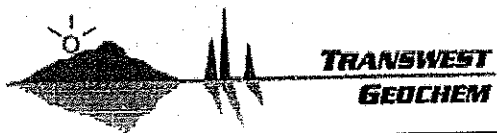
License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD 10/19	Batch ID: GCMS_T_071019A		Test Code: SW8260B			Date Analyzed: 10/26/07 11:59		Date Prepared: 10/19/07			
	Units: mg/Kg										
Acetone	1.650	1.5	2.000		83%	45	152	1.784	8%	34	
Benzene	0.9740	0.050	1.000		97%	70	130	0.966	1%	20	
Bromobenzene	0.9930	0.25	1.000		99%	70	130	0.9945	0%	20	
Bromochloromethane	0.9560	0.050	1.000		96%	70	130	0.9775	2%	23	
Bromodichloromethane	0.9335	0.050	1.000		93%	70	130	0.9435	1%	20	
Bromoform	0.9325	0.10	1.000		93%	70	130	0.9225	1%	20	
Bromomethane	0.8950	0.50	1.000		90%	51	147	0.9235	3%	30	
2-Butanone	1.610	0.50	2.000		81%	47	131	1.597	1%	31	
n-Butylbenzene	0.9575	0.25	1.000		96%	70	130	0.9295	3%	20	
sec-Butylbenzene	0.9585	0.25	1.000		96%	70	130	0.9375	2%	20	
tert-Butylbenzene	0.9620	0.25	1.000		96%	70	130	0.939	2%	20	
Carbon disulfide	1.922	0.50	2.000		96%	45	127	1.898	1%	25	
Carbon tetrachloride	0.9810	0.050	1.000		98%	70	130	0.9765	0%	20	
Chlorobenzene	0.9760	0.050	1.000		98%	70	130	0.981	1%	20	
Dibromochloromethane	0.9290	0.050	1.000		93%	70	130	0.923	1%	20	
Chloroethane	0.8965	0.50	1.000		90%	54	138	0.889	1%	28	
Chloroform	0.9750	0.050	1.000		98%	70	130	0.9505	3%	20	
Chloromethane	0.6750	0.50	1.000		68%	28	149	0.695	3%	30	
2-Chlorotoluene	0.9810	0.25	1.000		98%	70	130	0.972	1%	21	
4-Chlorotoluene	0.9750	0.25	1.000		98%	70	130	0.968	1%	20	
1,2-Dibromo-3-chloropropane	0.9055	0.50	1.000		91%	70	130	0.86	5%	20	
1,2-Dibromoethane	0.9520	0.50	1.000		95%	70	130	0.964	1%	20	
Dibromomethane	0.9630	0.25	1.000		96%	70	130	0.947	2%	20	
1,2-Dichlorobenzene	0.9515	0.050	1.000		95%	70	130	0.9495	0%	20	
1,3-Dichlorobenzene	0.9745	0.050	1.000		97%	70	130	0.951	2%	20	
1,4-Dichlorobenzene	0.9605	0.050	1.000		96%	70	130	0.94	2%	20	
Dichlorodifluoromethane	0.5425	0.50	1.000		54%	13	153	0.537	1%	27	
1,1-Dichloroethane	0.9805	0.050	1.000		98%	66	130	0.958	2%	20	
1,2-Dichloroethane	0.9635	0.050	1.000		96%	70	130	0.9265	4%	20	
1,1-Dichloroethene	0.9280	0.10	1.000		93%	59	130	0.9045	3%	25	
cis-1,2-Dichloroethene	0.9560	0.050	1.000		96%	70	130	0.9285	3%	20	
trans-1,2-Dichloroethene	0.9655	0.050	1.000		97%	63	123	0.9595	1%	20	
1,2-Dichloropropane	0.9715	0.050	1.000		97%	70	130	0.9675	0%	20	
1,3-Dichloropropane	0.9315	0.25	1.000		93%	70	130	0.936	0%	20	
2,2-Dichloropropane	0.9985	0.25	1.000		100%	60	139	0.979	2%	20	
1,1-Dichloropropene	1.004	0.25	1.000		100%	70	130	0.977	3%	20	
cis-1,3-Dichloropropene	0.9895	0.050	1.000		99%	70	130	0.98	1%	20	
trans-1,3-Dichloropropene	0.9515	0.050	1.000		95%	70	130	0.9585	1%	20	
Ethylbenzene	0.9930	0.10	1.000		99%	70	130	0.988	1%	20	
Hexachlorobutadiene	0.9660	0.50	1.000		97%	70	130	0.8165	17%	20	
2-Hexanone	1.783	0.50	2.000		89%	70	130	1.8	1%	21	
Iodomethane	2.016	0.50	2.000		101%	41	124	2.008	0%	26	



Date: 19-Nov-07

License No. AZM133/AZ0133

CLIENT: Environmental & Engineering Consultants,
Work Order: 07100569
Project: TCC MW Install

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Isopropylbenzene	0.9780	0.25	1.000		98%	70	130	0.978	0%	20	
4-Isopropyltoluene	0.9855	0.25	1.000		99%	70	130	0.959	3%	20	
Methylene chloride	0.9095	0.50	1.000		91%	54	140	0.914	0%	26	
4-Methyl-2-pentanone	1.922	0.50	2.000		96%	70	130	1.92	0%	23	
Methyl tert-butyl ether	1.935	0.25	2.000		97%	68	139	1.918	1%	20	
Naphthalene	0.9095	0.25	1.000		91%	68	131	0.857	6%	22	
n-Propylbenzene	0.9785	0.25	1.000		98%	70	130	0.971	1%	20	
Styrene	1.001	0.25	1.000		100%	70	130	0.987	1%	20	
1,1,1,2-Tetrachloroethane	0.9820	0.25	1.000		98%	70	130	0.9705	1%	20	
1,1,2,2-Tetrachloroethane	0.9315	0.10	1.000		93%	70	130	0.9175	2%	20	
Tetrachloroethene	1.011	0.050	1.000		101%	70	130	0.985	3%	20	
Toluene	0.9890	0.10	1.000		99%	70	130	0.97	2%	20	
1,2,3-Trichlorobenzene	0.8740	0.25	1.000		87%	64	133	0.817	7%	24	
1,2,4-Trichlorobenzene	0.9150	0.25	1.000		92%	70	130	0.874	5%	20	
1,1,1-Trichloroethane	0.9830	0.050	1.000		98%	70	130	0.9325	5%	20	
1,1,2-Trichloroethane	0.9465	0.050	1.000		95%	70	130	0.953	1%	20	
Trichloroethene	0.9810	0.050	1.000		98%	70	130	0.99	1%	20	
Trichlorofluoromethane	0.9440	0.50	1.000		94%	49	135	0.948	0%	28	
1,2,3-Trichloropropane	0.9850	0.25	1.000		99%	70	130	0.9395	5%	20	
1,2,4-Trimethylbenzene	0.9795	0.25	1.000		98%	70	130	0.957	2%	20	
1,3,5-Trimethylbenzene	0.9845	0.25	1.000		98%	70	130	0.9725	1%	20	
Vinyl acetate	2.654	0.50	2.000		133%	41	142	2.765	4%	27	
Vinyl chloride	0.8745	0.50	1.000		87%	37	148	0.906	4%	30	
Xylenes, Total	2.9475	0.15	3.000		98%	70	130	2.945	0%	20	
4-Bromofluorobenzene	2.418	N/A	2.500		97%	59	131				
1,2-Dichloroethane-d4	2.267	N/A	2.500		91%	63	123				
Dibromofluoromethane	2.429	N/A	2.500		97%	63	123				
Toluene-d8	2.435	N/A	2.500		97%	64	120				



**TRANSWEST
GEOCHEM**

Storage Location: S-36
Bross

Sample Receipt Checklist

Client Name: EE - TWC

Date and Time Received: 10.19.07

Work Order Number: 87100 569

Checked by: [Signature] 1530

Checklist completed by: [Signature] 10.19.07
Signature / Date

Logged In by: [Signature] 10.19.07
Initials / Date

Matrix: Soil

Carrier Name: Client TG Express IA

Reviewed by: [Signature] 10-22-07
Initials / Date

COMMENTS

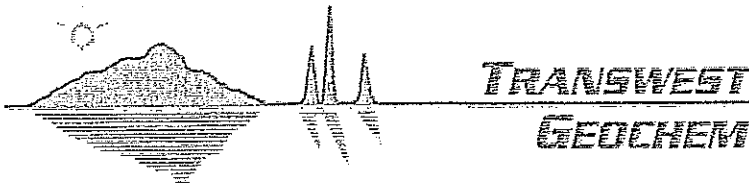
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temp <u>22</u>	Wet Ice Present <input type="checkbox"/>
Where was the temperature reading taken at?	Sample <input checked="" type="checkbox"/>	Temp Blank <input type="checkbox"/>	Other:	
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	Checked by: _____
Water - Sulfides present in Cyanide samples?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Samples considered Drinking Water for metal analysis?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	

Comments: _____

Person contacted: _____ Date contacted: _____ Contacted by: _____

Regarding: _____

Corrective Action: _____



Sample Receipt Checklist

Client Name: EEC

Date and Time Received: 10/18/07 16:25

Work Order Number: 07100569

Checked by: KC

Checklist completed by: Keri Collins 10/18/07
Signature / Date

Logged In by: _____
Initials / Date

Matrix: _____ Carrier Name: Client TGI _____

Reviewed by: _____
Initials / Date

Soil

COMMENTS

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temp: <u>4.6°C</u> Wet Ice Present <input checked="" type="checkbox"/>
Where was the temperature reading taken at?	Sample <input checked="" type="checkbox"/>	Temp Blank <input type="checkbox"/>	Other: _____
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/> Checked by: _____
Water - Sulfides present in Cyanide samples?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Samples considered Drinking Water for metal analysis?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

Comments: _____

Person contacted: _____ Date contacted: _____ Contacted by: _____

Regarding: _____

Corrective Action: _____



3725 E. Atlanta Ave.
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

3860 S. Palo Verde Rd., Ste. 301
Tucson, Arizona 85714
Phone: (520) 573-1061
Fax: (520) 573-1063

Chain of Custody

TGI Work Order No: 07100569

Date 10/18/07 Page 1 of 1

Project Manager: Kevin Pierce
 Client Name: ERC
 Address: 4625 E. Fort Lowell
 City, State, Zip: Tucson, AZ 85712
 Phone: 520-321-8625 Fax: 520-321-0333

Bill To: City of Tucson ES
 Company: City of Tucson ES
 Address: 100 N. Stone 2nd Floor
 City, State, Zip: Tucson, AZ 857
 Phone: 391-5414 Fax:

P.O. No.:
 Project Name: TCE MW Install
 Project Number: 206100

SAMPLE RECEIPT

Temperature: 4.6°C Ice:
 Received Intact: (Yes) No N/A Absent / Present
 Custody Seals: (Yes) (No) N/A (Wet / Blue)
 Total No. of Containers: 3 Sampled <2 hrs ago

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers		TPH, (8015AZR.1)	BTEX (8021B)	Volatile Organics GCMS (624/6260B)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA (8310)	8 RCRA Metals	Comments	
HQJST-533A-50'	Soil	10/18/07	1039	01	1												
HQJST-533A-55'	Soil	10/18/07	1056	02	1												
HQJST-533A-60'	Soil	10/18/07	1122	03	1												

Relinquished by: (Signature)	Print Name	Received by: (Signature)	Print Name	Date / Time
<u>Kevin Pierce</u>	Kevin Pierce	<u>Kevin Collins</u>	Kevin Collins	10/18/07 16:25
<u>Kevin Collins</u>	Kevin Collins	<u>Express Int</u>	Express Int	10/19/07 11:00
<u>Express Int</u>	Express Int	<u>Elizabeth Collins</u>	Elizabeth Collins	10/19/07 15:30

White copy to TGI, Yellow copy for final report, Pink copy to sampler

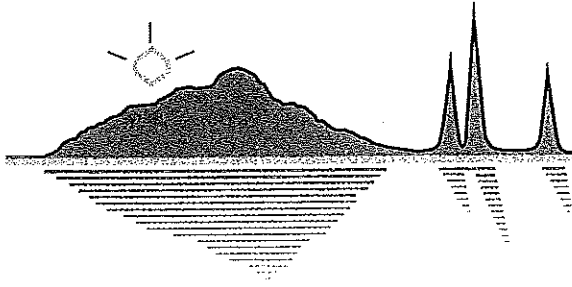
APPENDIX 8:

LABORATORY DATA: GROUNDWATER

City of Tucson Police/Fire Fuel Island LUST Site
Groundwater Laboratory Results:
Polycyclic Aromatic Hydrocarbons

PAH's ug/L	EPA Method											Tier 1 Clean-up Standards (ug/L)		
		CEP-518A	CEP-520A	HQUST-523A	HQUST-525A	HQUST-526A	CEP-527A	CEP-528A	HQUST-531A	HQUST-532A	HQUST-533A	AWQS	MCL or Risk Based Level	
		6/25/2007	6/26/07	6/26/07	6/26/07	6/25/07	7/2/07	7/2/07	11/15/07	11/15/07	11/15/07			
Acenaphthene	8310	<2.0	<2.0	<2.0	<2.0	<2.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	370
Acenaphthylene	8310	<4.0	<4.0	10	<4.0	<4.3	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA	NA
Anthracene	8310	<0.20	<0.20	<0.20	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	1,800
Benzo[a]anthracene	8310	<0.20	<0.20	<0.20	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	0.1
Benzo[a]pyrene	8310	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	0.1
Benzo[b]fluoranthene	8310	<0.40	<0.40	<0.40	<0.40	<0.43	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NA	NA
Benzo[k]fluoranthene	8310	<0.40	<0.40	<0.40	<0.40	<0.43	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	NA	0.9
Benzo[g,h,i]perylene	8310	<0.40	<0.40	<0.40	<0.40	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	92
Benzo[j]fluoranthene	8310	<0.20	<0.20	<0.20	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.40	NA	0.01
Chrysene	8310	<0.20	<0.20	<0.20	<0.20	<0.43	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NA	1,500
Dibenzof[a,h]anthracene	8310	<0.40	<0.40	<0.40	<0.40	<0.43	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NA	240
Fluoranthene	8310	<0.40	<0.40	<0.40	<0.40	<0.43	<0.40	<0.40	<0.40	<0.40	<0.10	<0.10	NA	0.1
Fluorene	8310	<0.40	<0.40	<0.40	<0.40	<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	6.5
Indeno[1,2,3-cd]pyrene	8310	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NA	NA
Naphthalene	8310	32	<2.0	74	<2.0	5.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA
Phenanthrene	8310	<0.20	<0.20	<0.20	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	180
Pyrene	8310	<0.20	<0.20	<0.20	<0.20	<0.22	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	NA

Bold type indicates detection levels above the PQL (Practical Quantitative Limit)
N/A - Not Analyzed
Results shaded in gray are above the Tier 1 Clean-up Standards, where such standards exist



TRANSWEST
GEOCHEM

February 22, 2007

Alison Jones
City of Tucson, Environmental Services
100 N. Stone, 2nd Floor, W. Side
Tucson, AZ 85701

RE: TCC

Work Order No.: 0701606

Dear Alison,

Transwest Geochem, Inc. received 7 samples on 1/31/07. The results of the analyses are presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Marcia A. Smith
Project Manager

ADHS License No. AZM133/AZ0133

Date Printed: 22-Feb-07

Client: City of Tucson, Environmental Services
Work Order: 0701606
Project Name: TCC
Project Number:

Case Narrative

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 2.0 11/26/2003.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

Analytical Comments for Method SW8260B: N1: Hexachlorobutadiene: MS/MSD, LCS/LCSD: Batch R070201A: Laboratory blank spike and matrix spike recoveries were high. Target analyte was not detected in the sample

Analytical Comments for Method SW8260B: N1: Carbon Disulfide and Iodomethane: MS/MSD, LCS/LCSD: Batch N70205A: Laboratory blank spike and matrix spike recoveries were high. Target analyte was not detected in the sample.

Analytical Comments for Method SW8260B: N1: Iodomethane: MSD, LCS/LCSD: Batch N70202A: Laboratory blank spike and matrix spike recoveries were high. Target analyte was not detected in the sample.



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Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Project Name: TCC
Project Number:
Work Order: 0701606
Date Received: 31-Jan-07

**Case Narrative
Data Qualifiers**

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

- D1 Sample required dilution due to matrix.
- D2 Sample required dilution due to high concentration of target analyte.
- D4 Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.
- E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.
- H3 Sample was received and analyzed past holding time.
- L1 The associated blank spike recovery was above laboratory acceptance limits.
- M1 Matrix spike recovery was high, the method control sample recovery was acceptable.
- M2 Matrix spike recovery was low, the method control sample recovery was acceptable.
- M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
- N1 See case narrative.



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Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Project Name: TCC
Project Number:
Work Order: 0701606

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received
CEP-520A	0701606-01A	SW8260B	1/31/07 09:34 AM	1/31/07 02:30 PM
	0701606-01B	EPA350.1	1/31/07 09:34 AM	1/31/07 02:30 PM
		EPA351.2	1/31/07 09:34 AM	1/31/07 02:30 PM
		EPA353.2	1/31/07 09:34 AM	1/31/07 02:30 PM
	0701606-01C	EPA200.7	1/31/07 09:34 AM	1/31/07 02:30 PM
		EPA200.8	1/31/07 09:34 AM	1/31/07 02:30 PM
		EPA245.1	1/31/07 09:34 AM	1/31/07 02:30 PM
	0701606-01D	SM5310C	1/31/07 09:34 AM	1/31/07 02:30 PM
	0701606-01E	EPA418.1	1/31/07 09:34 AM	1/31/07 02:30 PM
	0701606-01F	EPA160.1	1/31/07 09:34 AM	1/31/07 02:30 PM
		EPA160.2	1/31/07 09:34 AM	1/31/07 02:30 PM
		EPA300	1/31/07 09:34 AM	1/31/07 02:30 PM
		Hach 8167	1/31/07 09:34 AM	1/31/07 02:30 PM
		SM 4500-NO2 B	1/31/07 09:34 AM	1/31/07 02:30 PM
		SM2320 B	1/31/07 09:34 AM	1/31/07 02:30 PM
0701606-02A		SW8260B	1/31/07 09:37 AM	1/31/07 02:30 PM
CEP-520A "Dup"	0701606-02B	EPA350.1	1/31/07 09:37 AM	1/31/07 02:30 PM
		EPA351.2	1/31/07 09:37 AM	1/31/07 02:30 PM
		EPA353.2	1/31/07 09:37 AM	1/31/07 02:30 PM
	0701606-02C	EPA200.7	1/31/07 09:37 AM	1/31/07 02:30 PM
		EPA200.8	1/31/07 09:37 AM	1/31/07 02:30 PM
		EPA245.1	1/31/07 09:37 AM	1/31/07 02:30 PM
	0701606-02D	SM5310C	1/31/07 09:37 AM	1/31/07 02:30 PM
	0701606-02E	EPA418.1	1/31/07 09:37 AM	1/31/07 02:30 PM
	0701606-02F	EPA160.1	1/31/07 09:37 AM	1/31/07 02:30 PM
		EPA160.2	1/31/07 09:37 AM	1/31/07 02:30 PM
		EPA300	1/31/07 09:37 AM	1/31/07 02:30 PM
		Hach 8167	1/31/07 09:37 AM	1/31/07 02:30 PM
		SM 4500-NO2 B	1/31/07 09:37 AM	1/31/07 02:30 PM
		SM2320 B	1/31/07 09:37 AM	1/31/07 02:30 PM
		0701606-03A	SW8260B	1/31/07 11:28 AM
CEP-519A	0701606-03B	EPA350.1	1/31/07 11:28 AM	1/31/07 02:30 PM
		EPA351.2	1/31/07 11:28 AM	1/31/07 02:30 PM
	EPA353.2	1/31/07 11:28 AM	1/31/07 02:30 PM	

CLIENT: City of Tucson, Environmental Services
Project Name: TCC
Project Number:
Work Order: 0701606

Work Order Sample Summary

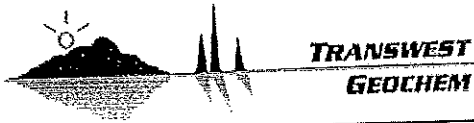
Client Sample ID	Lab Sample ID	Test Code	Collection Date	Date Received		
CEP-519A	0701606-03C	EPA200.7	1/31/07 11:28 AM	1/31/07 02:30 PM		
		EPA200.8	1/31/07 11:28 AM	1/31/07 02:30 PM		
		EPA245.1	1/31/07 11:28 AM	1/31/07 02:30 PM		
	0701606-03D	SM5310C	1/31/07 11:28 AM	1/31/07 02:30 PM		
		0701606-03E	EPA418.1	1/31/07 11:28 AM	1/31/07 02:30 PM	
			0701606-03F	EPA160.1	1/31/07 11:28 AM	1/31/07 02:30 PM
				EPA160.2	1/31/07 11:28 AM	1/31/07 02:30 PM
		EPA300	1/31/07 11:28 AM	1/31/07 02:30 PM		
		Hach 8167	1/31/07 11:28 AM	1/31/07 02:30 PM		
		SM 4500-NO2 B	1/31/07 11:28 AM	1/31/07 02:30 PM		
SM2320 B	1/31/07 11:28 AM	1/31/07 02:30 PM				
CEP-518A	0701606-04A	SW8260B	1/31/07 01:04 PM	1/31/07 02:30 PM		
		0701606-04B	EPA350.1	1/31/07 01:04 PM	1/31/07 02:30 PM	
	EPA351.2		1/31/07 01:04 PM	1/31/07 02:30 PM		
	EPA353.2		1/31/07 01:04 PM	1/31/07 02:30 PM		
	0701606-04C	EPA200.7	1/31/07 01:04 PM	1/31/07 02:30 PM		
		EPA200.8	1/31/07 01:04 PM	1/31/07 02:30 PM		
		EPA245.1	1/31/07 01:04 PM	1/31/07 02:30 PM		
	0701606-04D	SM5310C	1/31/07 01:04 PM	1/31/07 02:30 PM		
	0701606-04E	EPA418.1	1/31/07 01:04 PM	1/31/07 02:30 PM		
	0701606-04F	EPA160.1	1/31/07 01:04 PM	1/31/07 02:30 PM		
		EPA160.2	1/31/07 01:04 PM	1/31/07 02:30 PM		
		EPA300	1/31/07 01:04 PM	1/31/07 02:30 PM		
		Hach 8167	1/31/07 01:04 PM	1/31/07 02:30 PM		
		SM 4500-NO2 B	1/31/07 01:04 PM	1/31/07 02:30 PM		
	SM2320 B	1/31/07 01:04 PM	1/31/07 02:30 PM			
Equipment Blank	0701606-05A	SW8260B	1/31/07 08:10 AM	1/31/07 02:30 PM		
VOC's Trip Blank	0701606-06A	SW8260B	1/31/07 08:10 AM	1/31/07 02:30 PM		
TOC's Trip Blank	0701606-07A	SM5310C	1/31/07 09:34 AM	1/31/07 02:30 PM		



CLIENT: City of Tucson, Environmental Services
Project Name: TCC
Project Number:
Work Order: 0701606
Date Received: 31-Jan-07

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.



Date Printed 22-Feb-07

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CLIENT: City of Tucson, Environmental Services
Project Name: TCC
Project Number:
Work Order: 0701606
Date Received: 31-Jan-07

References

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Appendix A, 1998.

Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, Supplement 1: EPA/600/R-94/111, Revised May 1994.

Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, Revised July, 1991; EPA-600/4-90/020, Supplement I, July 1990; EPA-600/R-92/129; Supplement II, August 1992; EPA-600/R-95/131, Supplement III, August 1995.

Hach, Water Analysis Handbook, 3rd Edition, 1997.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition, 1986 including Update I, July 1992; Update IIA, August 1993; Update II; September 1994; Update IIB, January 1995; Update III, December 1996

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 418.1AZ: TPH in Soil, September 1994.

Bureau of Laboratory Services, State of Arizona Department of Health Services Method 8015AZ.R1, September 1998. (Comment: C6-C10 GRO reported by this method is not to be used in compliance situations)

ASTM MethodD4982, Annual Book of ASTM Standards, Volumes 11.01 and 11.02, 1995

The Determination of Polychlorinated Biphenyls in Transformer Fluid and Waste Oils, EPA-600 4-81-045, September 1982.



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Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-01
Project Name: TCC
Project Number:

Client Sample ID: CEP-520A
Collection Date: 1/31/2007 9:34:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Total Dissolved Solids	2500	40	D2	mg/L	4.0	EPA160.1	N/A	2/6/07	BAB	TDS_W-2/12/2007
Total Suspended Solids	14	10		mg/L	1	EPA160.2	N/A	2/7/07	BAB	tsS_W-2/12/2007
Chloride	270	25	D2	mg/L	10	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Fluoride	<0.50	0.50		mg/L	1.0	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Sulfate	860	150	D2	mg/L	50	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Nitrogen, Ammonia (As N)	<0.20	0.20		mg/L	1.0	EPA350.1	N/A	2/5/06	TL	NH4_W-2/5/2007
Nitrogen, Kjeldahl, Total	1.0	1.0	D2	mg/L	2.0	EPA351.2	2/8/07	2/9/07	TA	TKN_W-2/9/2007
Nitrate (As N)	9.4	0.50		mg/L	1.0	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Nitrate-Nitrite (As N)	9.6	0.50		mg/L	1.0	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Petroleum Hydrocarbons, TR	0.53	0.53	D4	mg/L	1.1	EPA418.1	2/9/07	2/9/07	TL	418_W-2/9/2007
Chlorine	<0.050	0.050	H3	mg/L	1.0	Hech 8167	N/A	2/1/07 11:30	AR	CL_RESDL-2/5/2007
Nitrite (As N)	0.18	0.020		mg/L	1.0	SM 4500-NO2 B	N/A	2/1/07 13:38	KMB	NO2DW2/1/2007
Alkalinity, Bicarbonate (As Ca	250	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Carbonate (As CaCO3)	<20	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Hydroxide (As CaCO3)	<20	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Total (As CaCO3)	250	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Organic Carbon, Total	1.8	1.0	L1	mg/L	1.0	SM5310C	N/A	2/1/07	BAB	TOC_W-2/1/2007
Aluminum	0.46	0.10		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Barium	0.072	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Beryllium	<0.0010	0.0010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Cadmium	<0.0030	0.0030		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Chromium	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Copper	0.085	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Hardness	1300	10		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Iron	0.33	0.10		mg/L	1.0	EPA200.7	2/9/07	2/9/07 16:56	BJK	12966
Magnesium	74	1.0		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Nickel	0.028	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Potassium	11	2.0		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Silver	<0.0050	0.0050		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936



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Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-01
Project Name: TCC
Project Number:

Client Sample ID: CEP-520A
Collection Date: 1/31/2007 9:34:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Sodium	200	20	D2	mg/L	10	EPA200.7	2/6/07	2/6/07 14:44	BJK	12936
Zinc	0.10	0.050		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:42	BJK	12936
Antimony	<0.0020	0.0020	L1	mg/L	1.00	EPA200.8	2/3/07	2/9/07 15:51	TSL	12930
Arsenic	<0.0030	0.0030		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:44	TSL	12930
Lead	0.0193	0.0020		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:44	TSL	12930
Selenium	0.0042	0.0020		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:44	TSL	12930
Thallium	<0.0005	0.0005		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:44	TSL	12930
Mercury	<0.0002	0.0002		mg/L	1.0	EPA245.1	2/9/07	2/9/07	LB	12969
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Benzene	1.4	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Chloroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Chloromethane	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A



**TRANSWEST
GEOCHEM**

Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-01
Project Name: TCC
Project Number:

Client Sample ID: CEP-520A
Collection Date: 1/31/2007 9:34:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Ethylbenzene	<2.0	2.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Hexachlorobutadiene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
2-Hexanone	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Iodomethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Methyl tert-butyl ether	10	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
4-Bromofluorobenzene(Surrogate)	96	70-130		%REC	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Dibromofluoromethane(Surrogate)	94	70-130		%REC	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
1,2-Dichloroethane-d4(Surrogate)	101	68-128		%REC	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A
Toluene-d8(Surrogate)	99	70-130		%REC	1.0	SW8260B	N/A	2/1/07 13:07	NMM	R070201A



**TRANSWEST
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Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-02
Project Name: TCC
Project Number:

Client Sample ID: CEP-520A "Dup"
Collection Date: 1/31/2007 9:37:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Total Dissolved Solids	2300	40	D2	mg/L	4.0	EPA160.1	N/A	2/6/07	BAB	TDS_W-2/12/2007
Total Suspended Solids	10	10		mg/L	1	EPA160.2	N/A	2/7/07	BAB	tsS_W-2/12/2007
Chloride	250	25	D2	mg/L	10	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Fluoride	<0.50	0.50		mg/L	1.0	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Sulfate	880	150	D2	mg/L	50	EPA300	N/A	2/14/07	TL	IC-2/14/2007
Nitrogen, Ammonia (As N)	<0.20	0.20		mg/L	1.0	EPA350.1	N/A	2/5/06	TL	NH4_W-2/5/2007
Nitrogen, Kjeldahl, Total	1.2	0.50		mg/L	1.0	EPA351.2	2/8/07	2/9/07	TA	TKN_W-2/9/2007
Nitrate (As N)	9.5	0.50		mg/L	1.0	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Nitrate-Nitrite (As N)	9.7	0.50		mg/L	1.0	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Petroleum Hydrocarbons, TR	0.57	0.53	D4	mg/L	1.1	EPA418.1	2/9/07	2/9/07	TL	418_W-2/9/2007
Chlorine	<0.050	0.050	H3	mg/L	1.0	Hach 8167	N/A	2/1/07 11:30	AR	CL_RESDL-2/5/2007
Nitrite (As N)	0.18	0.020		mg/L	1.0	SM 4500-NO2 B	N/A	2/1/07 13:38	KMB	NO2DW2/1/2007
Alkalinity, Bicarbonate (As Ca)	250	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Carbonate (As CaCO3)	<20	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Hydroxide (As CaCO3)	<20	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Total (As CaCO3)	250	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Organic Carbon, Total	1.9	1.0	L1	mg/L	1.0	SM5310C	N/A	2/1/07	BAB	TOC_W-2/1/2007
Aluminum	0.39	0.10		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Barium	0.069	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Beryllium	<0.0010	0.0010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Cadmium	<0.0030	0.0030		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Chromium	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Copper	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Hardness	1200	10		mg/L	1.0	EPA200.7	2/9/07	2/9/07 17:00	BJK	12966
Iron	0.22	0.10		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Magnesium	72	1.0		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Nickel	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Potassium	11	2.0		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Silver	<0.0050	0.0050		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936



**TRANSWEST
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Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-02
Project Name: TCC
Project Number:

Client Sample ID: CEP-520A "Dup"
Collection Date: 1/31/2007 9:37:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Sodium	190	20	D2	mg/L	10	EPA200.7	2/6/07	2/6/07 14:51	BJK	12936
Zinc	<0.050	0.050		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:46	BJK	12936
Antimony	<0.0020	0.0020	L1	mg/L	1.00	EPA200.8	2/3/07	2/9/07 15:56	TSL	12930
Arsenic	<0.0030	0.0030		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:50	TSL	12930
Lead	<0.0020	0.0020		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:50	TSL	12930
Selenium	0.0035	0.0020		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:50	TSL	12930
Thallium	<0.0005	0.0005		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:50	TSL	12930
Mercury	<0.0002	0.0002		mg/L	1.0	EPA245.1	2/9/07	2/9/07	LB	12969
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Benzene	1.3	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Chloroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Chloromethane	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A



**TRANSWEST
GEOCHEM**

Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-02
Project Name: TCC
Project Number:

Client Sample ID: CEP-520A "Dup"
Collection Date: 1/31/2007 9:37:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Hexachlorobutadiene	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Iodomethane	<2.0	2.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Methyl tert-butyl ether	9.8	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
4-Bromofluorobenzene(Surrogate)	96	70-130		%REC	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Dibromofluoromethane(Surrogate)	95	70-130		%REC	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
1,2-Dichloroethane-d4(Surrogate)	101	68-128		%REC	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A
Toluene-d8(Surrogate)	99	70-130		%REC	1.0	SW8260B	N/A	2/1/07 13:41	NMM	R070201A



**TRANSWEST
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Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-03
Project Name: TCC
Project Number:

Client Sample ID: CEP-519A
Collection Date: 1/31/2007 11:28:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Total Dissolved Solids	1600	20	D2	mg/L	2.0	EPA160.1	N/A	2/6/07	BAB	TDS_W-2/12/2007
Total Suspended Solids	18	10		mg/L	1	EPA160.2	N/A	2/7/07	BAB	tsS_W-2/12/2007
Chloride	150	25	D2	mg/L	10	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Fluoride	<0.50	0.50		mg/L	1.0	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Sulfate	550	150	D2	mg/L	50	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Nitrogen, Ammonia (As N)	<0.20	0.20		mg/L	1.0	EPA350.1	N/A	2/5/06	TL	NH4_W-2/5/2007
Nitrogen, Kjeldahl, Total	0.85	0.50		mg/L	1.0	EPA351.2	2/8/07	2/9/07	TA	TKN_W-2/9/2007
Nitrate (As N)	2.9	0.50		mg/L	1.0	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Nitrate-Nitrite (As N)	3.1	0.50		mg/L	1.0	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Petroleum Hydrocarbons, TR	4.2	0.50		mg/L	1.0	EPA418.1	2/9/07	2/9/07	TL	418_W-2/9/2007
Chlorine	<0.050	0.050	H3	mg/L	1.0	Hech 8167	N/A	2/1/07 11:30	AR	CL_RESDL-2/5/2007
Nitrite (As N)	0.21	0.040	D2	mg/L	2.0	SM 4500-NO2 B	N/A	2/1/07 13:38	KMB	NO2DW2/1/2007
Alkalinity, Bicarbonate (As Ca)	260	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Carbonate (As CaCO3)	<20	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Hydroxide (As CaCO3)	<20	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Total (As CaCO3)	260	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Organic Carbon, Total	3.4	1.0	L1	mg/L	1.0	SM5310C	N/A	2/1/07	BAB	TOC_W-2/1/2007
Aluminum	1.2	0.10		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Barium	0.055	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Beryllium	<0.0010	0.0010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Cadmium	<0.0030	0.0030		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Chromium	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Copper	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Hardness	700	10		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Iron	0.41	0.10		mg/L	1.0	EPA200.7	2/9/07	2/9/07 17:03	BJK	12966
Magnesium	39	1.0		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Nickel	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Potassium	7.3	2.0		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Silver	<0.0050	0.0050		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936



**TRANSWEST
GEOCHEM**

Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-03
Project Name: TCC
Project Number:

Client Sample ID: CEP-519A
Collection Date: 1/31/2007 11:28:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Sodium	210	20	D2	mg/L	10	EPA200.7	2/6/07	2/6/07 14:56	BJK	12936
Zinc	<0.050	0.050		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:49	BJK	12936
Antimony	<0.0020	0.0020	L1	mg/L	1.00	EPA200.8	2/3/07	2/9/07 16:02	TSL	12930
Arsenic	<0.0030	0.0030		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:55	TSL	12930
Lead	<0.0020	0.0020		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:55	TSL	12930
Selenium	0.0031	0.0020		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:55	TSL	12930
Thallium	<0.0005	0.0005		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:55	TSL	12930
Mercury	<0.0002	0.0002		mg/L	1.0	EPA245.1	2/9/07	2/9/07	LB	12969
Acetone	94	20		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Benzene	1900	50	D2	µg/L	100	SW8260B	N/A	2/2/07 21:46	AR	N70202A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
2-Butanone	22	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
n-Butylbenzene	14	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
sec-Butylbenzene	6.2	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Chloroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Chloromethane	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A



**TRANSWEST
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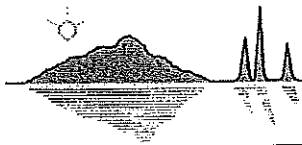
Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-03
Project Name: TCC
Project Number:

Client Sample ID: CEP-519A
Collection Date: 1/31/2007 11:28:00 AM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/2/07 22:25	AR	N70202A
Ethylbenzene	640	40	D2	µg/L	20	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Hexachlorobutadiene	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Iodomethane	<2.0	2.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Isopropylbenzene	52	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
4-Isopropyltoluene	2.8	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
4-Methyl-2-pentanone	17	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Methyl tert-butyl ether	3.5	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Naphthalene	290	100	D2	µg/L	20	SW8260B	N/A	2/2/07 22:25	AR	N70202A
n-Propylbenzene	130	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Toluene	6900	750	D2	µg/L	250	SW8260B	N/A	2/5/07 17:24	AR	N70205A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2,4-Trimethylbenzene	700	40	D2	µg/L	20	SW8260B	N/A	2/2/07 22:25	AR	N70202A
1,3,5-Trimethylbenzene	170	30	D2	µg/L	20	SW8260B	N/A	2/2/07 22:25	AR	N70202A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Xylenes, Total	5600	300	D2	µg/L	100	SW8260B	N/A	2/2/07 21:46	AR	N70202A
4-Bromofluorobenzene(Surrogate)	95	70-130		%REC	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Dibromofluoromethane(Surrogate)	91	70-130		%REC	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
1,2-Dichloroethane-d4(Surrogate)	96	68-128		%REC	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A
Toluene-d8(Surrogate)	106	70-130		%REC	1.0	SW8260B	N/A	2/1/07 14:14	NMM	R070201A



**TRANSWEST
GEOCHEM**

Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-04
Project Name: TCC
Project Number:

Client Sample ID: CEP-518A
Collection Date: 1/31/2007 1:04:00 PM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Total Dissolved Solids	1500	20	D2	mg/L	2.0	EPA160.1	N/A	2/6/07	BAB	TDS_W-2/12/2007
Total Suspended Solids	<10	10		mg/L	1	EPA160.2	N/A	2/7/07	BAB	tsS_W-2/12/2007
Chloride	81	25	D2	mg/L	10	EPA300	N/A	2/14/07	TL	IC-2/14/2007
Fluoride	<0.50	0.50		mg/L	1.0	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Sulfate	480	150	D2	mg/L	50	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Nitrogen, Ammonia (As N)	<0.20	0.20		mg/L	1.0	EPA350.1	N/A	2/5/06	TL	NH4_W-2/5/2007
Nitrogen, Kjeldahl, Total	1.4	0.50		mg/L	1.0	EPA351.2	2/8/07	2/9/07	TA	TKN_W-2/9/2007
Nitrate (As N)	25	5.0	D2	mg/L	10	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Nitrate-Nitrite (As N)	46	5.0	D2	mg/L	10	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Petroleum Hydrocarbons, TR	0.56	0.50		mg/L	1.0	EPA418.1	2/9/07	2/9/07	TL	418_W-2/9/2007
Chlorine	<0.050	0.050	H3	mg/L	1.0	Hach 8167	N/A	2/1/07 11:30	AR	CL_RESDL-2/5/2007
Nitrite (As N)	21	5.0	D2	mg/L	250	SM 4500-NO2 B	N/A	2/1/07 13:38	KMB	NO2DW2/1/2007
Alkalinity, Bicarbonate (As Ca)	230	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Carbonate (As CaCO3)	<20	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Hydroxide (As CaCO3)	<20	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Total (As CaCO3)	230	20		mg/L	1.0	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Organic Carbon, Total	5.6	1.0	L1	mg/L	1.0	SM5310C	N/A	2/1/07	BAB	TOC_W-2/1/2007
Aluminum	0.53	0.10		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Barium	0.045	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Beryllium	<0.0010	0.0010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Cadmium	<0.0030	0.0030		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Chromium	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Copper	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Hardness	480	10		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Iron	0.50	0.10		mg/L	1.0	EPA200.7	2/9/07	2/9/07 17:14	BJK	12966
Magnesium	27	1.0		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Nickel	<0.010	0.010		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Potassium	5.8	2.0		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Silver	<0.0050	0.0050		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936



**TRANSWEST
GEOCHEM**

Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-04
Project Name: TCC
Project Number:

Client Sample ID: CEP-518A
Collection Date: 1/31/2007 1:04:00 PM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Sodium	260	20	D2	mg/L	10	EPA200.7	2/6/07	2/6/07 15:00	BJK	12936
Zinc	<0.050	0.050		mg/L	1.0	EPA200.7	2/6/07	2/6/07 13:53	BJK	12936
Antimony	<0.0020	0.0020	L1	mg/L	1.00	EPA200.8	2/3/07	2/9/07 15:34	TSL	12930
Arsenic	<0.0030	0.0030		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:27	TSL	12930
Lead	<0.0020	0.0020		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:27	TSL	12930
Selenium	0.0023	0.0020		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:27	TSL	12930
Thallium	<0.0005	0.0005		mg/L	1.00	EPA200.8	2/3/07	2/5/07 21:27	TSL	12930
Mercury	<0.0002	0.0002		mg/L	1.0	EPA245.1	2/9/07	2/9/07	LB	12969
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Benzene	1000	10	D2	µg/L	20	SW8260B	N/A	2/2/07 20:30	AR	N70202A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Bromodichloromethane	0.79	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Bromomethane	8.2	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
2-Butanone	7.1	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
n-Butylbenzene	3.4	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
sec-Butylbenzene	1.8	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Carbon disulfide	1.7	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Dibromochloromethane	0.59	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Chloroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Chloroform	2.6	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Chloromethane	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A



**TRANSWEST
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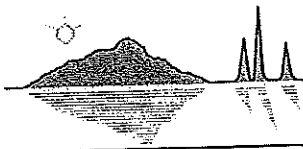
Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-04
Project Name: TCC
Project Number:

Client Sample ID: CEP-518A
Collection Date: 1/31/2007 1:04:00 PM
Matrix: Groundwater

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Ethylbenzene	100	10	D2	µg/L	5.0	SW8260B	N/A	2/2/07 21:08	AR	N70202A
Hexachlorobutadiene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Iodomethane	<2.0	2.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Isopropylbenzene	15	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Methyl tert-butyl ether	3.6	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Naphthalene	68	25	D2	µg/L	5.0	SW8260B	N/A	2/2/07 21:08	AR	N70202A
n-Propylbenzene	15	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Toluene	560	60	D2	µg/L	20	SW8260B	N/A	2/2/07 20:30	AR	N70202A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2,4-Trimethylbenzene	100	10	D2	µg/L	5.0	SW8260B	N/A	2/2/07 21:08	AR	N70202A
1,3,5-Trimethylbenzene	26	7.5	D1	µg/L	5.0	SW8260B	N/A	2/2/07 21:08	AR	N70202A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Xylenes, Total	450	15	D2	µg/L	5.0	SW8260B	N/A	2/2/07 21:08	AR	N70202A
4-Bromofluorobenzene(Surrogate)	95	70-130		%REC	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Dibromofluoromethane(Surrogate)	93	70-130		%REC	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
1,2-Dichloroethane-d4(Surrogate)	89	68-128		%REC	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A
Toluene-d8(Surrogate)	100	70-130		%REC	1.0	SW8260B	N/A	2/1/07 14:48	NMM	R070201A



**TRANSWEST
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Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-05
Project Name: TCC
Project Number:

Client Sample ID: Equipment Blank
Collection Date: 1/31/2007 8:10:00 AM
Matrix: Water

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Chloroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Chloromethane	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Hexachlorobutadiene	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A



**TRANSWEST
GEOCHEM**

Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-05
Project Name: TCC
Project Number:

Client Sample ID: Equipment Blank
Collection Date: 1/31/2007 8:10:00 AM
Matrix: Water

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Iodomethane	<2.0	2.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
4-Bromofluorobenzene(Surrogate)	96	70-130		%REC	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Dibromofluoromethane(Surrogate)	94	70-130		%REC	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
1,2-Dichloroethane-d4(Surrogate)	100	68-128		%REC	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A
Toluene-d8(Surrogate)	99	70-130		%REC	1.0	SW8260B	N/A	2/1/07 12:34	NMM	R070201A



**TRANSWEST
GEOCHEM**

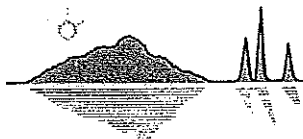
Date Printed 22-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-06
Project Name: TCC
Project Number:

Client Sample ID: VOC's Trip Blank
Collection Date: 1/31/2007 8:10:00 AM
Matrix: Water

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Chloroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Chloromethane	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Hexachlorobutadiene	<5.0	5.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A



**TRANSWEST
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Date Printed 22-Feb-07

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CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-06
Project Name: TCC
Project Number:

Client Sample ID: VOC's Trip Blank
Collection Date: 1/31/2007 8:10:00 AM
Matrix: Water

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Iodomethane	<2.0	2.0	L1	µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
4-Bromofluorobenzene(Surrogate)	97	70-130		%REC	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Dibromofluoromethane(Surrogate)	96	70-130		%REC	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
1,2-Dichloroethane-d4(Surrogate)	101	68-128		%REC	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A
Toluene-d8(Surrogate)	99	70-130		%REC	1.0	SW8260B	N/A	2/1/07 11:59	NMM	R070201A



**TRANSWEST
GEOCHEM**

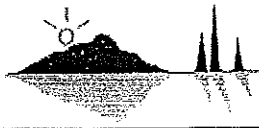
Date Printed 22-Feb-07

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CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Lab ID: 0701606-07
Project Name: TCC
Project Number:

Client Sample ID: TOC's Trip Blank
Collection Date: 1/31/2007 9:34:00 AM
Matrix: Water

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Organic Carbon, Total	<1.0	1.0	L1	mg/L	1.0	SM5310C	N/A	2/1/07	BAB	TOC_W-2/1/2007



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Total Dissolved Solids	<10	10		mg/L	1	EPA160.1	N/A	2/6/07	BAB	TDS_W-2/12/2007
Total Suspended Solids	<10	10		mg/L	1	EPA160.2	N/A	2/7/07	BAB	tsS_W-2/12/2007
Chloride	<2.5	2.5		mg/L	1	EPA300	N/A	2/14/07	TL	IC-2/14/2007
Sulfate	<3.0	3.0		mg/L	1	EPA300	N/A	2/14/07	TL	IC-2/14/2007
Chloride	<2.5	2.5		mg/L	1	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Fluoride	<0.50	0.50		mg/L	1	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Sulfate	<3.0	3.0		mg/L	1	EPA300	N/A	2/7/07	TL	IC-2/07/2007
Nitrogen, Ammonia (As N)	<0.20	0.20		mg/L	1	EPA350.1	N/A	2/5/06	TL	NH4_W-2/5/2007
Nitrogen, Kjeldahl, Total	<0.50	0.50		mg/L	1	EPA351.2	2/8/07	2/9/07	TA	TKN_W-2/9/2007
Nitrate (As N)	<0.50	0.50		mg/L	1	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Nitrate-Nitrite (As N)	<0.50	0.50		mg/L	1	EPA353.2	N/A	2/6/07	TL	NO3_W-2/6/2007
Petroleum Hydrocarbons, TR	<0.50	0.50		mg/L	1	EPA418.1	2/9/07	2/9/07	TL	418_W-2/9/2007
Chlorine	<0.050	0.050		mg/L	1	Hach 8167	N/A	2/1/07 11:30	AR	CL_RESDL-2/5/2007
Nitrite (As N)	<0.020	0.020		mg/L	1	SM 4500-NO2 B	N/A	2/1/07 13:38	KMB	NO2DW2/1/2007
Alkalinity, Bicarbonate (As CaCO3)	<20	20		mg/L	1	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Carbonate (As CaCO3)	<20	20		mg/L	1	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Hydroxide (As CaCO3)	<20	20		mg/L	1	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Alkalinity, Total (As CaCO3)	<20	20		mg/L	1	SM2320 B	N/A	2/10/07	KMB	ALK_W-2/10/2007
Organic Carbon, Total	<1.0	1.0		mg/L	1	SM5310C	N/A	2/1/07	BAB	TOC_W-2/1/2007
Aluminum	<0.10	0.10		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Barium	<0.010	0.010		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Beryllium	<0.0010	0.0010		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Cadmium	<0.0030	0.0030		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Chromium	<0.010	0.010		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Copper	<0.010	0.010		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Hardness	<10	10		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Magnesium	<1.0	1.0		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Nickel	<0.010	0.010		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Potassium	<2.0	2.0		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Silver	<0.0050	0.0050		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Sodium	<2.0	2.0		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Zinc	<0.050	0.050		mg/L	1	EPA200.7	2/6/07	2/6/07 13:31	BJK	12936
Iron	<0.10	0.10		mg/L	1	EPA200.7	2/9/07	2/9/07 16:45	BJK	12966
Antimony	<0.0020	0.0020		mg/L	1	EPA200.8	2/3/07	2/9/07 15:18	TSL	12930
Arsenic	<0.0030	0.0030		mg/L	1	EPA200.8	2/3/07	2/5/07 21:10	TSL	12930
Lead	<0.0020	0.0020		mg/L	1	EPA200.8	2/3/07	2/5/07 21:10	TSL	12930
Selenium	<0.0020	0.0020		mg/L	1	EPA200.8	2/3/07	2/5/07 21:10	TSL	12930
Thallium	<0.0005	0.0005		mg/L	1	EPA200.8	2/3/07	2/5/07 21:10	TSL	12930
Mercury	<0.0002	0.0002		mg/L	1	EPA245.1	2/9/07	2/9/07	LB	12969



**TRANSWEST
GEOCHEM**

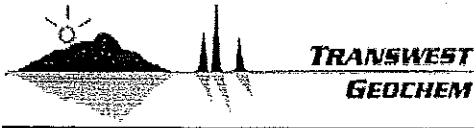
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Chloroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Hexachlorobutadiene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Iodomethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A



Date: 16-Feb-07
 License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
4-Bromofluorobenzene	97	70-130		%REC	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Dibromofluoromethane	96	70-130		%REC	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
1,2-Dichloroethane-d4	100	68-128		%REC	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A
Toluene-d8	99	70-130		%REC	1	SW8260B	N/A	2/1/07 6:58	NMM	R070201A



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Chloroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Hexachlorobutadiene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Iodomethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
4-Bromofluorobenzene	89	70-130		%REC	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Dibromofluoromethane	90	70-130		%REC	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
1,2-Dichloroethane-d4	85	68-128		%REC	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A
Toluene-d8	91	70-130		%REC	1	SW8260B	N/A	2/2/07 14:02	AR	N70202A



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Chloroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Hexachlorobutadiene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Iodomethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Methylene chloride	3.3	3.0	B1	µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
4-Bromofluorobenzene	83	70-130		%REC	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Dibromofluoromethane	97	70-130		%REC	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
1,2-Dichloroethane-d4	93	68-128		%REC	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A
Toluene-d8	92	70-130		%REC	1	SW8260B	N/A	2/5/07 12:14	AR	N70205A



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Sample Duplicate

Analyte	Result	PQL	Units	RPD Ref Val	% RPD	RPD Limit	Test Code	Date Prepared	Date Analyzed	Analyst	Qual
Sample ID: 0702032-01DD Batch ID: TDS_W-2/12/2007											
Client ID:											
Total Dissolved Solids	1108	40	mg/L	996.0	11%	20	EPA160.1	N/A	2/6/07	BAB	
Sample ID: 0701606-01FD Batch ID: tsS_W-2/12/2007											
Client ID: CEP-520A											
Total Suspended Solids	15.00	10	mg/L	14.00	7%	29	EPA160.2	N/A	2/7/07	BAB	
Sample ID: 0701606-04FD Batch ID: tsS_W-2/12/2007											
Client ID: CEP-518A											
Total Suspended Solids	<10	10	mg/L	<10	0%	29	EPA160.2	N/A	2/7/07	BAB	
Sample ID: 0702072-02ED Batch ID: tsS_W-2/12/2007											
Client ID:											
Total Suspended Solids	<10	10	mg/L	<10	0%	29	EPA160.2	N/A	2/7/07	BAB	
Sample ID: 0701606-01BD Batch ID: NO3_W-2/6/2007											
Client ID: CEP-520A											
Nitrate-Nitrite (As N)	9.369	0.50	mg/L	9.577	2%	20	EPA353.2	N/A	2/6/07	TL	
Sample ID: 0701606-03ED Batch ID: 418_W-2/9/2007											
Client ID: CEP-519A											
Petroleum Hydrocarbons, TR	4.905	0.50	mg/L	4.235	15%	20	EPA418.1	2/9/07	2/9/07	TL	
Sample ID: 0702144-01ED Batch ID: 418_W-2/9/2007											
Client ID:											
Petroleum Hydrocarbons, TR	0.7375	0.53	mg/L	0.8211	11%	20	EPA418.1	2/9/07	2/9/07	TL	



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0702014-01A-MS			Batch ID: IC-2/07/2007			Test Code: EPA300			Date Analyzed: 02/07/07 00:00		
Client ID:			Units: mg/L			Date Prepared: N/A					
Chloride	267.5	25	250.0	27.75	96%	80	120				
Fluoride	49.33	5.0	50.00		99%	80	120				
Sulfate	323.5	30	300.0	39.49	95%	80	120				
Sample ID: 0702014-01A-MSD			Batch ID: IC-2/07/2007			Test Code: EPA300			Date Analyzed: 02/07/07 00:00		
Client ID:			Units: mg/L			Date Prepared: N/A					
Chloride	267.9	25	250.0	27.75	96%	80	120	267.5	0%	20	
Fluoride	48.71	5.0	50.00		97%	80	120	49.33	1%	20	
Sulfate	321.7	30	300.0	39.49	94%	80	120	323.5	1%	20	
Sample ID: 0702014-02A-MS			Batch ID: IC-2/07/2007			Test Code: EPA300			Date Analyzed: 02/07/07 00:00		
Client ID:			Units: mg/L			Date Prepared: N/A					
Chloride	138.0	13	125.0	22.58	92%	80	120				
Fluoride	23.24	2.5	25.00		93%	80	120				
Sulfate	169.9	15	150.0	34.3	90%	80	120				
Sample ID: 0702014-02A-MSD			Batch ID: IC-2/07/2007			Test Code: EPA300			Date Analyzed: 02/07/07 00:00		
Client ID:			Units: mg/L			Date Prepared: N/A					
Chloride	140.5	13	125.0	22.58	94%	80	120	138	2%	20	
Fluoride	23.55	2.5	25.00		94%	80	120	23.24	1%	20	
Sulfate	172.5	15	150.0	34.3	92%	80	120	169.9	2%	20	
Sample ID: 0701366-01B-MS			Batch ID: NH4_W-2/5/2007			Test Code: EPA350.1			Date Analyzed: 02/05/06 00:00		
Client ID:			Units: mg/L			Date Prepared: N/A					
Nitrogen, Ammonia (As N)	2.379	0.20	2.500		95%	90	110				
Sample ID: 0701366-01B-MSD			Batch ID: NH4_W-2/5/2007			Test Code: EPA350.1			Date Analyzed: 02/05/06 00:00		
Client ID:			Units: mg/L			Date Prepared: N/A					
Nitrogen, Ammonia (As N)	2.379	0.20	2.500		95%	90	110	2.379	0%	20	
Sample ID: 0701569-03A-MS			Batch ID: NH4_W-2/5/2007			Test Code: EPA350.1			Date Analyzed: 02/05/06 00:00		
Client ID:			Units: mg/L			Date Prepared: N/A					
Nitrogen, Ammonia (As N)	35.05	2.0	10.00	25.63	94%	90	110				
Sample ID: 0701569-03A-MSD			Batch ID: NH4_W-2/5/2007			Test Code: EPA350.1			Date Analyzed: 02/05/06 00:00		
Client ID:			Units: mg/L			Date Prepared: N/A					
Nitrogen, Ammonia (As N)	36.25	2.0	10.00	25.63	106%	90	110	35.05	3%	20	
Sample ID: 0701244-09A-MS			Batch ID: TKN_W-2/9/2007			Test Code: EPA351.2			Date Analyzed: 02/09/07 00:00		
Client ID:			Units: mg/L			Date Prepared: 2/8/07					
Nitrogen, Kjeldahl, Total	50.55	10	25.00	26.37	97%	90	110				



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0701244-09A-MSD	Batch ID: TKN_W-2/9/2007		Test Code: EPA351.2		Date Analyzed: 02/09/07 00:00						
Client ID:			Units: mg/L		Date Prepared: 2/8/07						
Nitrogen, Kjeldahl, Total	51.72	10	25.00	26.37	101%	90	110	50.55	2%	20	
Sample ID: 0701384-01C-MS	Batch ID: TKN_W-2/9/2007		Test Code: EPA351.2		Date Analyzed: 02/09/07 00:00						
Client ID:			Units: mg/L		Date Prepared: 2/8/07						
Nitrogen, Kjeldahl, Total	7.374	1.0	2.500	4.324	122%	90	110				M1
Sample ID: 0701384-01C-MSD	Batch ID: TKN_W-2/9/2007		Test Code: EPA351.2		Date Analyzed: 02/09/07 00:00						
Client ID:			Units: mg/L		Date Prepared: 2/8/07						
Nitrogen, Kjeldahl, Total	6.384	1.0	2.500	4.324	82%	90	110	7.374	14%	20	M2
Sample ID: 0701606-01BS	Batch ID: NO3_W-2/6/2007		Test Code: EPA353.2		Date Analyzed: 02/06/07 00:00						
Client ID: CEP-520A			Units: mg/L		Date Prepared: N/A						
Nitrate-Nitrite (As N)	19.75	1.0	10.00	9.918	98%	90	110				
Sample ID: 0701606-01F-MS	Batch ID: CL_RESIDL-2/5/2007		Test Code: Hach 8167		Date Analyzed: 02/01/07 11:30						
Client ID: CEP-520A			Units: mg/L		Date Prepared: N/A						
Chlorine	0.2500	0.050	0.9741		26%	47	118				M2
Sample ID: 0701606-01F-MSD	Batch ID: CL_RESIDL-2/5/2007		Test Code: Hach 8167		Date Analyzed: 02/01/07 11:30						
Client ID: CEP-520A			Units: mg/L		Date Prepared: N/A						
Chlorine	0.3000	0.050	0.9741		31%	47	118	0.25	18%	24	M2
Sample ID: 0702010-01D-MS	Batch ID: NO2DW2/1/2007		Test Code: SM 4500-NO2 B		Date Analyzed: 02/01/07 13:38						
Client ID:			Units: mg/L		Date Prepared: N/A						
Nitrite (As N)	0.1001	0.020	0.1000		100%	71	123				
Sample ID: 0702010-01D-MSD	Batch ID: NO2DW2/1/2007		Test Code: SM 4500-NO2 B		Date Analyzed: 02/01/07 13:38						
Client ID:			Units: mg/L		Date Prepared: N/A						
Nitrite (As N)	0.1010	0.020	0.1000		101%	71	123	0.1001	1%	20	
Sample ID: 0701557-02C-MS	Batch ID: ALK_W-2/10/2007		Test Code: SM2320 B		Date Analyzed: 02/10/07 00:00						
Client ID:			Units: mg/L		Date Prepared: N/A						
Alkalinity, Total (As CaCO3)	341.0	20	167.0	181.3	96%	71	115				
Sample ID: 0701557-02C-MSD	Batch ID: ALK_W-2/10/2007		Test Code: SM2320 B		Date Analyzed: 02/10/07 00:00						
Client ID:			Units: mg/L		Date Prepared: N/A						
Alkalinity, Total (As CaCO3)	339.0	20	167.0	181.3	94%	71	115	341	1%	20	
Sample ID: 0702072-02E-MS	Batch ID: ALK_W-2/10/2007		Test Code: SM2320 B		Date Analyzed: 02/10/07 00:00						
Client ID:			Units: mg/L		Date Prepared: N/A						
Alkalinity, Total (As CaCO3)	455.3	20	167.0	313.4	85%	71	115				



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0702072-02E-MSD	Batch ID: ALK_W-2/10/2007		Test Code: SM2320 B		Date Analyzed: 02/10/07 00:00						
Client ID:			Units: mg/L		Date Prepared: N/A						
Alkalinity, Total (As CaCO3)	453.3	20	167.0	313.4	84%	71	115	455.3	0%	20	
Sample ID: 0701479-01A-MS	Batch ID: TOC_W-2/1/2007		Test Code: SM5310C		Date Analyzed: 02/01/07 00:00						
Client ID:			Units: mg/L		Date Prepared: N/A						
Organic Carbon, Total	1986	250	1250	708.9	102%	83	136				
Sample ID: 0701479-01A-MSD	Batch ID: TOC_W-2/1/2007		Test Code: SM5310C		Date Analyzed: 02/01/07 00:00						
Client ID:			Units: mg/L		Date Prepared: N/A						
Organic Carbon, Total	1952	250	1250	708.9	99%	83	136	1986	2%	20	
Sample ID: 0701515-01C-MS	Batch ID: TOC_W-2/1/2007		Test Code: SM5310C		Date Analyzed: 02/01/07 00:00						
Client ID:			Units: mg/L		Date Prepared: N/A						
Organic Carbon, Total	6.081	1.0	5.000		122%	83	136				
Sample ID: 0701515-01C-MSD	Batch ID: TOC_W-2/1/2007		Test Code: SM5310C		Date Analyzed: 02/01/07 00:00						
Client ID:			Units: mg/L		Date Prepared: N/A						
Organic Carbon, Total	5.970	1.0	5.000		119%	83	136	6.081	2%	20	
Sample ID: 0701557-04D-MS	Batch ID: 12936		Test Code: EPA200.7		Date Analyzed: 02/06/07 15:18						
Client ID:			Units: mg/L		Date Prepared: 2/6/07						
Aluminum	11.84	0.10	11.00		108%	70	130				
Barium	1.203	0.010	1.000	0.06929	113%	70	130				
Beryllium	1.043	0.0010	1.000		104%	70	130				
Cadmium	1.087	0.0030	1.000		109%	70	130				
Chromium	1.022	0.010	1.000		102%	70	130				
Copper	1.028	0.010	1.000		103%	70	130				
Magnesium	46.91	1.0	26.00	20.57	101%	70	130				
Nickel	1.044	0.010	1.000		104%	70	130				
Potassium	29.42	2.0	25.00		118%	70	130				
Silver	0.07487	0.0050	0.07500		100%	70	130				
Sodium	47.36	2.0	25.00	19.47	112%	70	130				
Zinc	1.083	0.050	1.000		108%	70	130				



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0701557-04D-MSD		Batch ID: 12936		Test Code: EPA200.7				Date Analyzed: 02/06/07 15:21			
Client ID:		Units: mg/L				Date Prepared: 2/6/07					
Aluminum	12.13	0.10	11.00		110%	70	130	11.84	2%	20	
Barium	1.219	0.010	1.000	0.06929	115%	70	130	1.203	1%	20	
Beryllium	1.059	0.0010	1.000		106%	70	130	1.043	2%	20	
Cadmium	1.105	0.0030	1.000		111%	70	130	1.087	2%	20	
Chromium	1.039	0.010	1.000		104%	70	130	1.022	2%	20	
Copper	1.047	0.010	1.000		105%	70	130	1.028	2%	20	
Magnesium	48.68	1.0	26.00	20.57	108%	70	130	46.91	4%	20	
Nickel	1.063	0.010	1.000		106%	70	130	1.044	2%	20	
Potassium	31.38	2.0	25.00		126%	70	130	29.42	6%	20	
Silver	0.07682	0.0050	0.07500		102%	70	130	0.07487	3%	20	
Sodium	49.88	2.0	25.00	19.47	122%	70	130	47.36	5%	20	
Zinc	1.115	0.050	1.000		112%	70	130	1.083	3%	20	

Sample ID: 0701564-01F-MS		Batch ID: 12936		Test Code: EPA200.7				Date Analyzed: 02/06/07 15:32			
Client ID:		Units: mg/L				Date Prepared: 2/6/07					
Aluminum	12.96	0.10	11.00	0.6652	112%	70	130				
Cadmium	1.076	0.0030	1.000		108%	70	130				
Chromium	1.215	0.010	1.000	0.2083	101%	70	130				
Copper	1.120	0.010	1.000	0.08398	104%	70	130				
Magnesium	50.37	1.0	26.00	24.23	101%	70	130				
Nickel	1.169	0.010	1.000	0.1411	103%	70	130				
Potassium	43.96	2.0	25.00	8.174	143%	70	130				M1
Silver	0.07595	0.0050	0.07500		101%	70	130				
Zinc	1.917	0.050	1.000	0.8569	106%	70	130				

Sample ID: 0701564-01F-MS		Batch ID: 12936		Test Code: EPA200.7				Date Analyzed: 02/07/07 17:34			
Client ID:		Units: mg/L				Date Prepared: 2/6/07					
Sodium	269.2	20	25.00	244.8	98%	70	130				

Sample ID: 0701564-01F-MSD		Batch ID: 12936		Test Code: EPA200.7				Date Analyzed: 02/06/07 15:36			
Client ID:		Units: mg/L				Date Prepared: 2/6/07					
Aluminum	12.92	0.10	11.00	0.6652	111%	70	130	12.96	0%	20	
Cadmium	1.075	0.0030	1.000		108%	70	130	1.076	0%	20	
Chromium	1.210	0.010	1.000	0.2083	100%	70	130	1.215	0%	20	
Copper	1.119	0.010	1.000	0.08398	104%	70	130	1.12	0%	20	
Magnesium	50.29	1.0	26.00	24.23	100%	70	130	50.37	0%	20	
Nickel	1.162	0.010	1.000	0.1411	102%	70	130	1.169	1%	20	
Potassium	44.68	2.0	25.00	8.174	146%	70	130	43.96	2%	20	M1
Silver	0.07624	0.0050	0.07500		102%	70	130	0.07595	0%	20	
Zinc	1.876	0.050	1.000	0.8569	102%	70	130	1.917	2%	20	



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual	
Sample ID: 0701564-01F-MSD	Batch ID: 12936		Test Code: EPA200.7		Date Analyzed: 02/07/07 17:38							
Client ID:			Units: mg/L		Date Prepared: 2/6/07							
Sodium	256.8	20	25.00	244.8	48%	70	130	269.2	5%	20	M3	
Sample ID: 0701606-03C-MS	Batch ID: 12966		Test Code: EPA200.7		Date Analyzed: 02/09/07 17:07							
Client ID: CEP-519A			Units: mg/L		Date Prepared: 2/9/07							
Iron	1.415	0.10	1.000	0.405	101%	70	130					
Sample ID: 0701606-03C-MSD	Batch ID: 12966		Test Code: EPA200.7		Date Analyzed: 02/09/07 17:10							
Client ID: CEP-519A			Units: mg/L		Date Prepared: 2/9/07							
Iron	1.406	0.10	1.000	0.405	100%	70	130	1.415	1%	20		
Sample ID: 0702055-01A-MS	Batch ID: 12966		Test Code: EPA200.7		Date Analyzed: 02/09/07 17:36							
Client ID:			Units: mg/L		Date Prepared: 2/9/07							
Iron	1.025	0.10	1.000		103%	70	130					
Sample ID: 0702055-01A-MSD	Batch ID: 12966		Test Code: EPA200.7		Date Analyzed: 02/09/07 17:39							
Client ID:			Units: mg/L		Date Prepared: 2/9/07							
Iron	0.9698	0.10	1.000		97%	70	130	1.025	6%	20		
Sample ID: 0701606-04C-MS	Batch ID: 12930		Test Code: EPA200.8		Date Analyzed: 02/05/07 21:33							
Client ID: CEP-518A			Units: mg/L		Date Prepared: 2/3/07							
Arsenic	0.02673	0.0030	0.02500		107%	70	130					
Lead	0.02898	0.0020	0.02500		116%	70	130					
Selenium	0.02520	0.0020	0.02500	0.002318	92%	70	130					
Thallium	0.02858	0.0005	0.02500		114%	70	130					
Sample ID: 0701606-04C-MS	Batch ID: 12930		Test Code: EPA200.8		Date Analyzed: 02/09/07 15:40							
Client ID: CEP-518A			Units: mg/L		Date Prepared: 2/3/07							
Antimony	0.02597	0.0020	0.02500		104%	70	130					
Sample ID: 0701606-04C-MSD	Batch ID: 12930		Test Code: EPA200.8		Date Analyzed: 02/09/07 15:45							
Client ID: CEP-518A			Units: mg/L		Date Prepared: 2/3/07							
Antimony	0.02546	0.0020	0.02500		102%	70	130	0.02597	2%	20		
Sample ID: 0701606-04C-MSD	Batch ID: 12930		Test Code: EPA200.8		Date Analyzed: 02/05/07 21:38							
Client ID: CEP-518A			Units: mg/L		Date Prepared: 2/3/07							
Arsenic	0.02634	0.0030	0.02500		105%	70	130	0.02673	1%	20		
Lead	0.02846	0.0020	0.02500		114%	70	130	0.02898	2%	20		
Selenium	0.02458	0.0020	0.02500	0.002318	89%	70	130	0.0252	2%	20		
Thallium	0.02822	0.0005	0.02500		113%	70	130	0.02858	1%	20		



**TRANSWEST
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Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0702014-02C-MS		Batch ID: 12930		Test Code: EPA200.8		Date Analyzed: 02/05/07 22:21					
Client ID:				Units: mg/L		Date Prepared: 2/3/07					
Arsenic	0.03296	0.0030	0.02500	0.008069	100%	70	130				
Lead	0.03117	0.0020	0.02500	0.004591	106%	70	130				
Selenium	0.02396	0.0020	0.02500		96%	70	130				
Thallium	0.02753	0.0005	0.02500		110%	70	130				
Sample ID: 0702014-02C-MSD		Batch ID: 12930		Test Code: EPA200.8		Date Analyzed: 02/05/07 22:27					
Client ID:				Units: mg/L		Date Prepared: 2/3/07					
Arsenic	0.03258	0.0030	0.02500	0.008069	98%	70	130	0.03296	1%	20	
Lead	0.03152	0.0020	0.02500	0.004591	108%	70	130	0.03117	1%	20	
Selenium	0.02424	0.0020	0.02500		97%	70	130	0.02396	1%	20	
Thallium	0.02777	0.0005	0.02500		111%	70	130	0.02753	1%	20	
Sample ID: 0701606-01C-MS		Batch ID: 12969		Test Code: EPA245.1		Date Analyzed: 02/09/07 00:00					
Client ID: CEP-520A				Units: mg/L		Date Prepared: 2/9/07					
Mercury	0.0009958	0.0002	0.001000		100%	70	130				
Sample ID: 0701606-01C-MSD		Batch ID: 12969		Test Code: EPA245.1		Date Analyzed: 02/09/07 00:00					
Client ID: CEP-520A				Units: mg/L		Date Prepared: 2/9/07					
Mercury	0.001013	0.0002	0.001000		101%	70	130	0.0009958	2%	20	
Sample ID: 0702040-01A-MS		Batch ID: 12969		Test Code: EPA245.1		Date Analyzed: 02/09/07 00:00					
Client ID:				Units: mg/L		Date Prepared: 2/9/07					
Mercury	0.001009	0.0002	0.001000		101%	70	130				
Sample ID: 0702040-01A-MSD		Batch ID: 12969		Test Code: EPA245.1		Date Analyzed: 02/09/07 00:00					
Client ID:				Units: mg/L		Date Prepared: 2/9/07					
Mercury	0.001029	0.0002	0.001000		103%	70	130	0.001009	2%	20	
Sample ID: 0702040-03A-MS		Batch ID: 12969		Test Code: EPA245.1		Date Analyzed: 02/09/07 00:00					
Client ID:				Units: mg/L		Date Prepared: 2/9/07					
Mercury	0.001040	0.0002	0.001000		104%	70	130				
Sample ID: 0702040-03A-MSD		Batch ID: 12969		Test Code: EPA245.1		Date Analyzed: 02/09/07 00:00					
Client ID:				Units: mg/L		Date Prepared: 2/9/07					
Mercury	0.0009971	0.0002	0.001000		100%	70	130	0.00104	4%	20	
Sample ID: 0702040-05A-MS		Batch ID: 12969		Test Code: EPA245.1		Date Analyzed: 02/09/07 00:00					
Client ID:				Units: mg/L		Date Prepared: 2/9/07					
Mercury	0.0009940	0.0002	0.001000		99%	70	130				



**TRANSWEST
GEOCHEM**

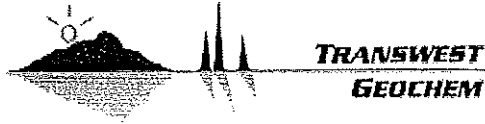
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0702040-05A-MSD	Batch ID: 12969		Test Code: EPA245.1			Date Analyzed: 02/09/07 00:00					
Client ID:					Units: mg/L		Date Prepared: 2/9/07				
Mercury	0.001039	0.0002	0.001000		104%	70	130	0.000994	4%	20	



Date: 16-Feb-07
License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0701418-09A-MS	Batch ID: R070201A		Test Code: SW8260B			Date Analyzed: 02/01/07 17:03					
Client ID:				Units: µg/L			Date Prepared: N/A				
Acetone	14.30	10	20.00		72%	13	189				
Benzene	21.02	0.50	20.00		105%	70	130				
Bromobenzene	19.36	1.5	20.00		97%	70	130				
Bromochloromethane	19.02	0.50	20.00		95%	70	130				
Bromodichloromethane	20.08	0.50	20.00		100%	70	130				
Bromoform	18.83	1.0	20.00		94%	70	130				
Bromomethane	22.28	5.0	20.00		111%	45	148				
2-Butanone	16.36	5.0	20.00		82%	54	149				
n-Butylbenzene	22.45	2.5	20.00		112%	70	130				
sec-Butylbenzene	22.61	1.5	20.00		113%	70	130				
tert-Butylbenzene	21.89	2.5	20.00		109%	70	130				
Carbon disulfide	28.21	0.50	20.00		141%	66	161				
Carbon tetrachloride	22.51	0.50	20.00		113%	71	148				
Chlorobenzene	19.87	0.50	20.00		99%	70	130				
Dibromochloromethane	21.17	0.50	20.00		106%	70	130				
Chloroethane	21.83	5.0	20.00		109%	57	159				
Chloroform	20.86	0.50	20.00	1	99%	70	130				
Chloromethane	22.18	5.0	20.00		111%	49	141				
2-Chlorotoluene	20.66	1.5	20.00		103%	70	130				
4-Chlorotoluene	20.73	2.0	20.00		104%	70	130				
1,2-Dibromo-3-chloropropane	19.50	2.0	20.00		98%	70	130				
1,2-Dibromoethane	19.59	0.50	20.00		98%	70	130				
Dibromomethane	19.32	0.50	20.00		97%	70	130				
1,2-Dichlorobenzene	20.18	1.5	20.00		101%	70	130				
1,3-Dichlorobenzene	20.23	1.5	20.00		101%	70	130				
1,4-Dichlorobenzene	20.18	1.5	20.00		101%	70	130				
Dichlorodifluoromethane	27.26	2.0	20.00		136%	6	169				
1,1-Dichloroethane	20.04	1.0	20.00		100%	67	135				
1,2-Dichloroethane	20.52	1.0	20.00		103%	70	130				
1,1-Dichloroethene	22.48	0.50	20.00		112%	59	168				
cis-1,2-Dichloroethene	19.64	0.50	20.00		98%	70	130				
trans-1,2-Dichloroethene	20.49	0.50	20.00		102%	70	130				
1,2-Dichloropropane	20.51	0.50	20.00		103%	70	130				
1,3-Dichloropropane	18.95	1.0	20.00		95%	70	130				
2,2-Dichloropropane	22.70	0.50	20.00		114%	55	152				
1,1-Dichloropropene	22.47	1.0	20.00		112%	68	150				
cis-1,3-Dichloropropene	21.23	1.0	20.00		106%	70	130				
trans-1,3-Dichloropropene	21.35	0.50	20.00		107%	70	130				
Ethylbenzene	21.08	2.0	20.00		105%	70	130				
Hexachlorobutadiene	28.38	5.0	20.00		142%	66	136				N1
2-Hexanone	16.30	5.0	20.00		81%	63	127				
Iodomethane	26.47	2.0	20.00		132%	48	148				
Isopropylbenzene	23.94	2.5	20.00		120%	74	141				



**TRANSWEST
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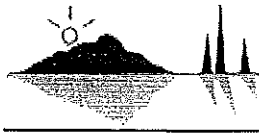
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	21.48	1.5	20.00		107%	70	130				
Methylene chloride	18.04	3.0	20.00		90%	70	130				
4-Methyl-2-pentanone	16.57	5.0	20.00		83%	70	130				
Methyl tert-butyl ether	20.55	2.0	20.00		103%	66	135				
Naphthalene	21.27	5.0	20.00		106%	53	127				
n-Propylbenzene	22.33	2.0	20.00		112%	70	130				
Styrene	19.60	1.0	20.00		98%	62	124				
1,1,1,2-Tetrachloroethane	21.05	0.50	20.00		105%	70	130				
1,1,2,2-Tetrachloroethane	19.78	0.50	20.00		99%	70	130				
Tetrachloroethene	20.30	0.50	20.00		102%	69	131				
Toluene	21.17	3.0	20.00		106%	70	130				
1,2,3-Trichlorobenzene	23.69	5.0	20.00		118%	53	129				
1,2,4-Trichlorobenzene	22.55	5.0	20.00		113%	59	121				
1,1,1-Trichloroethane	21.60	0.50	20.00		108%	73	138				
1,1,2-Trichloroethane	19.90	0.50	20.00		100%	70	130				
Trichloroethene	20.88	0.50	20.00		104%	70	130				
Trichlorofluoromethane	22.10	2.0	20.00		111%	58	193				
1,2,3-Trichloropropane	19.36	1.0	20.00		97%	70	130				
1,2,4-Trimethylbenzene	21.97	2.0	20.00		110%	70	130				
1,3,5-Trimethylbenzene	22.30	1.5	20.00		112%	70	130				
Vinyl acetate	21.14	5.0	20.00		106%	43	140				
Vinyl chloride	26.09	0.50	20.00		130%	58	161				
Xylenes, Total	64.97	3.0	60.00		108%	70	130				
4-Bromofluorobenzene	49.14	N/A	50.00		98%	70	130				
Dibromofluoromethane	46.64	N/A	50.00		93%	70	130				
1,2-Dichloroethane-d4	47.52	N/A	50.00		95%	68	128				
Toluene-d8	50.78	N/A	50.00		102%	70	130				



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

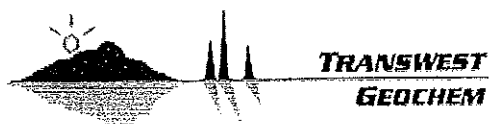
License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0701418-09A-MSD	Batch ID: R070201A				Test Code: SW8260B			Date Analyzed: 02/01/07 17:37			
Client ID:					Units: µg/L			Date Prepared: N/A			
Acetone	16.57	10	20.00		83%	13	189	14.3	15%	23	
Benzene	20.44	0.50	20.00		102%	70	130	21.02	3%	20	
Bromobenzene	18.80	1.5	20.00		94%	70	130	19.36	3%	20	
Bromochloromethane	18.81	0.50	20.00		94%	70	130	19.02	1%	20	
Bromodichloromethane	19.62	0.50	20.00		98%	70	130	20.08	2%	20	
Bromoform	18.32	1.0	20.00		92%	70	130	18.83	3%	20	
Bromomethane	24.92	5.0	20.00		125%	45	148	22.28	11%	24	
2-Butanone	16.09	5.0	20.00		80%	54	149	16.36	2%	22	
n-Butylbenzene	21.79	2.5	20.00		109%	70	130	22.45	3%	20	
sec-Butylbenzene	22.23	1.5	20.00		111%	70	130	22.61	2%	20	
tert-Butylbenzene	21.45	2.5	20.00		107%	70	130	21.89	2%	20	
Carbon disulfide	28.14	0.50	20.00		141%	66	161	28.21	0%	20	
Carbon tetrachloride	22.11	0.50	20.00		111%	71	148	22.51	2%	20	
Chlorobenzene	19.17	0.50	20.00		96%	70	130	19.87	4%	20	
Dibromochloromethane	20.41	0.50	20.00		102%	70	130	21.17	4%	20	
Chloroethane	24.32	5.0	20.00		122%	57	159	21.83	11%	20	
Chloroform	20.63	0.50	20.00	1	98%	70	130	20.86	1%	20	
Chloromethane	24.61	5.0	20.00		123%	49	141	22.18	10%	20	
2-Chlorotoluene	20.27	1.5	20.00		101%	70	130	20.66	2%	20	
4-Chlorotoluene	20.14	2.0	20.00		101%	70	130	20.73	3%	20	
1,2-Dibromo-3-chloropropane	19.23	2.0	20.00		96%	70	130	19.5	1%	24	
1,2-Dibromoethane	18.65	0.50	20.00		93%	70	130	19.59	5%	20	
Dibromomethane	18.91	0.50	20.00		95%	70	130	19.32	2%	20	
1,2-Dichlorobenzene	19.53	1.5	20.00		98%	70	130	20.18	3%	20	
1,3-Dichlorobenzene	19.52	1.5	20.00		98%	70	130	20.23	4%	20	
1,4-Dichlorobenzene	19.51	1.5	20.00		98%	70	130	20.18	3%	20	
Dichlorodifluoromethane	25.60	2.0	20.00		128%	6	169	27.26	6%	20	
1,1-Dichloroethane	19.91	1.0	20.00		100%	67	135	20.04	1%	20	
1,2-Dichloroethane	19.65	1.0	20.00		98%	70	130	20.52	4%	20	
1,1-Dichloroethene	22.49	0.50	20.00		112%	59	168	22.48	0%	20	
cis-1,2-Dichloroethene	19.45	0.50	20.00		97%	70	130	19.64	1%	20	
trans-1,2-Dichloroethene	20.37	0.50	20.00		102%	70	130	20.49	1%	20	
1,2-Dichloropropane	19.74	0.50	20.00		99%	70	130	20.51	4%	20	
1,3-Dichloropropane	18.24	1.0	20.00		91%	70	130	18.95	4%	20	
2,2-Dichloropropane	22.36	0.50	20.00		112%	55	152	22.7	2%	20	
1,1-Dichloropropene	21.95	1.0	20.00		110%	68	150	22.47	2%	20	
cis-1,3-Dichloropropene	20.24	1.0	20.00		101%	70	130	21.23	5%	20	
trans-1,3-Dichloropropene	20.79	0.50	20.00		104%	70	130	21.35	3%	20	
Ethylbenzene	20.60	2.0	20.00		103%	70	130	21.08	2%	20	
Hexachlorobutadiene	27.75	5.0	20.00		139%	66	136	28.38	2%	24	N1
2-Hexanone	15.68	5.0	20.00		78%	63	127	16.3	4%	22	
Iodomethane	26.42	2.0	20.00		132%	48	148	26.47	0%	20	
Isopropylbenzene	23.69	2.5	20.00		118%	74	141	23.94	1%	20	



Date: 16-Feb-07

License No. AZM133/AZ0133

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 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	20.91	1.5	20.00		105%	70	130	21.48	3%	20	
Methylene chloride	17.89	3.0	20.00		89%	70	130	18.04	1%	20	
4-Methyl-2-pentanone	16.04	5.0	20.00		80%	70	130	16.57	3%	20	
Methyl tert-butyl ether	20.49	2.0	20.00		102%	66	135	20.55	0%	22	
Naphthalene	21.47	5.0	20.00		107%	53	127	21.27	1%	36	
n-Propylbenzene	21.77	2.0	20.00		109%	70	130	22.33	3%	20	
Styrene	19.07	1.0	20.00		95%	62	124	19.6	3%	20	
1,1,1,2-Tetrachloroethane	21.12	0.50	20.00		106%	70	130	21.05	0%	20	
1,1,2,2-Tetrachloroethane	19.46	0.50	20.00		97%	70	130	19.78	2%	20	
Tetrachloroethene	20.03	0.50	20.00		100%	69	131	20.3	1%	20	
Toluene	20.33	3.0	20.00		102%	70	130	21.17	4%	20	
1,2,3-Trichlorobenzene	23.50	5.0	20.00		118%	53	129	23.69	1%	36	
1,2,4-Trichlorobenzene	21.87	5.0	20.00		109%	59	121	22.55	3%	23	
1,1,1-Trichloroethane	21.41	0.50	20.00		107%	73	138	21.6	1%	20	
1,1,2-Trichloroethane	18.75	0.50	20.00		94%	70	130	19.9	6%	20	
Trichloroethene	20.31	0.50	20.00		102%	70	130	20.88	3%	20	
Trichlorofluoromethane	22.94	2.0	20.00		115%	58	193	22.1	4%	20	
1,2,3-Trichloropropane	18.85	1.0	20.00		94%	70	130	19.36	3%	20	
1,2,4-Trimethylbenzene	21.49	2.0	20.00		107%	70	130	21.97	2%	31	
1,3,5-Trimethylbenzene	22.06	1.5	20.00		110%	70	130	22.3	1%	20	
Vinyl acetate	20.37	5.0	20.00		102%	43	140	21.14	4%	22	
Vinyl chloride	24.62	0.50	20.00		123%	58	161	26.09	6%	20	
Xylenes, Total	63	3.0	60.00		105%	70	130	64.97	3%	20	
4-Bromofluorobenzene	49.72	N/A	50.00		99%	70	130				
Dibromofluoromethane	47.55	N/A	50.00		95%	70	130				
1,2-Dichloroethane-d4	48.13	N/A	50.00		96%	68	128				
Toluene-d8	50.53	N/A	50.00		101%	70	130				



**TRANSWEST
GEOCHEM**

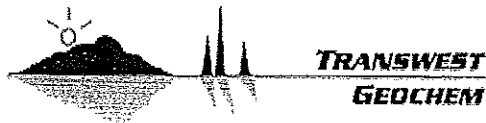
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0701557-01A-MS	Batch ID: N70202A		Test Code: SW8260B			Date Analyzed: 02/02/07 18:33					
Client ID:				Units: µg/L			Date Prepared: N/A				
Acetone	19.06	19	20.00		95%	13	189				
Benzene	22.48	0.50	20.00		112%	70	130				
Bromobenzene	18.88	1.5	20.00		94%	70	130				
Bromochloromethane	20.64	0.50	20.00		103%	70	130				
Bromodichloromethane	19.87	0.50	20.00		99%	70	130				
Bromoform	17.82	1.0	20.00		89%	70	130				
Bromomethane	25.02	5.0	20.00		125%	45	148				
2-Butanone	18.40	5.0	20.00		92%	54	149				
n-Butylbenzene	19.84	2.5	20.00		99%	70	130				
sec-Butylbenzene	21.00	1.5	20.00		105%	70	130				
tert-Butylbenzene	20.36	2.5	20.00		102%	70	130				
Carbon disulfide	31.01	0.50	20.00		155%	66	161				
Carbon tetrachloride	21.13	0.50	20.00		106%	71	148				
Chlorobenzene	19.23	0.50	20.00		96%	70	130				
Dibromochloromethane	19.32	0.50	20.00		97%	70	130				
Chloroethane	23.42	5.0	20.00		117%	57	159				
Chloroform	22.11	0.50	20.00		111%	70	130				
Chloromethane	23.46	5.0	20.00		117%	49	141				
2-Chlorotoluene	19.94	1.5	20.00		100%	70	130				
4-Chlorotoluene	19.73	2.0	20.00		99%	70	130				
1,2-Dibromo-3-chloropropane	17.85	2.0	20.00		89%	70	130				
1,2-Dibromoethane	19.28	0.50	20.00		96%	70	130				
Dibromomethane	19.10	0.50	20.00		96%	70	130				
1,2-Dichlorobenzene	19.55	1.5	20.00		98%	70	130				
1,3-Dichlorobenzene	19.05	1.5	20.00		95%	70	130				
1,4-Dichlorobenzene	19.16	1.5	20.00		96%	70	130				
Dichlorodifluoromethane	21.97	2.0	20.00		110%	6	169				
1,1-Dichloroethane	22.22	1.0	20.00		111%	67	135				
1,2-Dichloroethane	21.92	1.0	20.00		110%	70	130				
1,1-Dichloroethene	22.97	0.50	20.00		115%	59	168				
cis-1,2-Dichloroethene	21.85	0.50	20.00		109%	70	130				
trans-1,2-Dichloroethene	21.75	0.50	20.00		109%	70	130				
1,2-Dichloropropane	22.13	0.50	20.00		111%	70	130				
1,3-Dichloropropane	19.99	1.0	20.00		100%	70	130				
2,2-Dichloropropane	23.35	0.50	20.00		117%	55	152				
1,1-Dichloropropene	22.47	1.0	20.00		112%	68	150				
cis-1,3-Dichloropropene	21.18	1.0	20.00		106%	70	130				
trans-1,3-Dichloropropene	21.26	0.50	20.00		106%	70	130				
Ethylbenzene	20.24	2.0	20.00		101%	70	130				
Hexachlorobutadiene	21.16	5.0	20.00		106%	66	136				
2-Hexanone	14.88	5.0	20.00		74%	63	127				
Iodomethane	29.18	2.0	20.00		146%	48	148				
Isopropylbenzene	22.69	2.5	20.00		113%	74	141				



Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	21.33	1.5	20.00		107%	70	130				
Methylene chloride	19.68	3.0	20.00		98%	70	130				
4-Methyl-2-pentanone	16.42	5.0	20.00		82%	70	130				
Methyl tert-butyl ether	22.12	2.0	20.00		111%	66	135				
Naphthalene	16.19	5.0	20.00		81%	53	127				
n-Propylbenzene	20.91	2.0	20.00		105%	70	130				
Styrene	19.26	1.0	20.00		96%	62	124				
1,1,1,2-Tetrachloroethane	19.93	0.50	20.00		100%	70	130				
1,1,2,2-Tetrachloroethane	21.53	0.50	20.00		108%	70	130				
Tetrachloroethene	19.34	0.50	20.00		97%	69	131				
Toluene	21.34	3.0	20.00		107%	70	130				
1,2,3-Trichlorobenzene	16.69	5.0	20.00		83%	53	129				
1,2,4-Trichlorobenzene	17.51	5.0	20.00		88%	59	121				
1,1,1-Trichloroethane	22.59	0.50	20.00		113%	73	138				
1,1,2-Trichloroethane	21.21	0.50	20.00		106%	70	130				
Trichloroethene	21.44	0.50	20.00		107%	70	130				
Trichlorofluoromethane	22.99	2.0	20.00		115%	58	193				
1,2,3-Trichloropropane	19.29	1.0	20.00		96%	70	130				
1,2,4-Trimethylbenzene	19.42	2.0	20.00		97%	70	130				
1,3,5-Trimethylbenzene	20.32	1.5	20.00		102%	70	130				
Vinyl acetate	27.67	5.0	20.00		138%	43	140				
Vinyl chloride	24.05	0.50	20.00		120%	58	161				
Xylenes, Total	60.34	3.0	60.00		101%	70	130				
4-Bromofluorobenzene	42.16	N/A	50.00		84%	70	130				
Dibromofluoromethane	47.66	N/A	50.00		95%	70	130				
1,2-Dichloroethane-d4	44.88	N/A	50.00		90%	68	128				
Toluene-d8	43.56	N/A	50.00		87%	70	130				



**TRANSWEST
GEOCHEM**

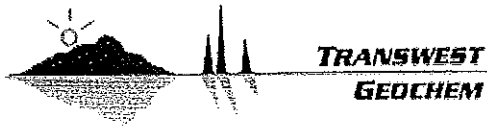
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0701557-01A-MSD	Batch ID: N70202A		Test Code: SW8260B			Date Analyzed: 02/02/07 19:12					
Client ID:	Units: µg/L			Date Prepared: N/A							
Acetone	17.85	17	20.00		89%	13	189	19.06	7%	23	
Benzene	22.27	0.50	20.00		111%	70	130	22.48	1%	20	
Bromobenzene	18.82	1.5	20.00		94%	70	130	18.88	0%	20	
Bromochloromethane	20.37	0.50	20.00		102%	70	130	20.64	1%	20	
Bromodichloromethane	19.52	0.50	20.00		98%	70	130	19.87	2%	20	
Bromoform	17.47	1.0	20.00		87%	70	130	17.82	2%	20	
Bromomethane	26.59	5.0	20.00		133%	45	148	25.02	6%	24	
2-Butanone	18.46	5.0	20.00		92%	54	149	18.4	0%	22	
n-Butylbenzene	20.26	2.5	20.00		101%	70	130	19.84	2%	20	
sec-Butylbenzene	21.24	1.5	20.00		106%	70	130	21	1%	20	
tert-Butylbenzene	20.65	2.5	20.00		103%	70	130	20.36	1%	20	
Carbon disulfide	31.12	0.50	20.00		156%	66	161	31.01	0%	20	
Carbon tetrachloride	20.63	0.50	20.00		103%	71	148	21.13	2%	20	
Chlorobenzene	19.98	0.50	20.00		100%	70	130	19.23	4%	20	
Dibromochloromethane	19.24	0.50	20.00		96%	70	130	19.32	0%	20	
Chloroethane	23.81	5.0	20.00		119%	57	159	23.42	2%	20	
Chloroform	21.92	0.50	20.00		110%	70	130	22.11	1%	20	
Chloromethane	24.28	5.0	20.00		121%	49	141	23.46	3%	20	
2-Chlorotoluene	20.00	1.5	20.00		100%	70	130	19.94	0%	20	
4-Chlorotoluene	20.08	2.0	20.00		100%	70	130	19.73	2%	20	
1,2-Dibromo-3-chloropropane	18.81	2.0	20.00		94%	70	130	17.85	5%	24	
1,2-Dibromoethane	19.24	0.50	20.00		96%	70	130	19.28	0%	20	
Dibromomethane	19.16	0.50	20.00		96%	70	130	19.1	0%	20	
1,2-Dichlorobenzene	19.52	1.5	20.00		98%	70	130	19.55	0%	20	
1,3-Dichlorobenzene	19.34	1.5	20.00		97%	70	130	19.05	2%	20	
1,4-Dichlorobenzene	19.57	1.5	20.00		98%	70	130	19.16	2%	20	
Dichlorodifluoromethane	21.15	2.0	20.00		106%	6	169	21.97	4%	20	
1,1-Dichloroethane	21.62	1.0	20.00		108%	67	135	22.22	3%	20	
1,2-Dichloroethane	21.54	1.0	20.00		108%	70	130	21.92	2%	20	
1,1-Dichloroethene	23.84	0.50	20.00		119%	59	168	22.97	4%	20	
cis-1,2-Dichloroethene	21.62	0.50	20.00		108%	70	130	21.85	1%	20	
trans-1,2-Dichloroethene	21.83	0.50	20.00		109%	70	130	21.75	0%	20	
1,2-Dichloropropane	22.23	0.50	20.00		111%	70	130	22.13	0%	20	
1,3-Dichloropropane	20.01	1.0	20.00		100%	70	130	19.99	0%	20	
2,2-Dichloropropane	22.79	0.50	20.00		114%	55	152	23.35	2%	20	
1,1-Dichloropropene	22.03	1.0	20.00		110%	68	150	22.47	2%	20	
cis-1,3-Dichloropropene	20.86	1.0	20.00		104%	70	130	21.18	2%	20	
trans-1,3-Dichloropropene	21.13	0.50	20.00		106%	70	130	21.26	1%	20	
Ethylbenzene	20.77	2.0	20.00		104%	70	130	20.24	3%	20	
Hexachlorobutadiene	21.89	5.0	20.00		109%	66	136	21.16	3%	24	
2-Hexanone	14.03	5.0	20.00		70%	63	127	14.88	6%	22	
Iodomethane	29.91	2.0	20.00		150%	48	148	29.18	2%	20	N1
Isopropylbenzene	22.88	2.5	20.00		114%	74	141	22.69	1%	20	



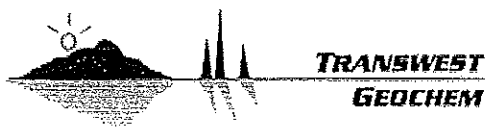
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	21.57	1.5	20.00		108%	70	130	21.33	1%	20	
Methylene chloride	19.45	3.0	20.00		97%	70	130	19.68	1%	20	
4-Methyl-2-pentanone	15.97	5.0	20.00		80%	70	130	16.42	3%	20	
Methyl tert-butyl ether	21.40	2.0	20.00		107%	66	135	22.12	3%	22	
Naphthalene	19.54	5.0	20.00		98%	53	127	16.19	19%	36	
n-Propylbenzene	21.21	2.0	20.00		106%	70	130	20.91	1%	20	
Styrene	19.89	1.0	20.00		99%	62	124	19.26	3%	20	
1,1,1,2-Tetrachloroethane	20.58	0.50	20.00		103%	70	130	19.93	3%	20	
1,1,2,2-Tetrachloroethane	20.99	0.50	20.00		105%	70	130	21.53	3%	20	
Tetrachloroethene	19.97	0.50	20.00		100%	69	131	19.34	3%	20	
Toluene	21.85	3.0	20.00		109%	70	130	21.34	2%	20	
1,2,3-Trichlorobenzene	20.07	5.0	20.00		100%	53	129	16.69	18%	36	
1,2,4-Trichlorobenzene	18.36	5.0	20.00		92%	59	121	17.51	5%	23	
1,1,1-Trichloroethane	22.65	0.50	20.00		113%	73	138	22.59	0%	20	
1,1,2-Trichloroethane	20.78	0.50	20.00		104%	70	130	21.21	2%	20	
Trichloroethene	21.08	0.50	20.00		105%	70	130	21.44	2%	20	
Trichlorofluoromethane	22.60	2.0	20.00		113%	58	193	22.99	2%	20	
1,2,3-Trichloropropane	19.67	1.0	20.00		98%	70	130	19.29	2%	20	
1,2,4-Trimethylbenzene	19.55	2.0	20.00		98%	70	130	19.42	1%	31	
1,3,5-Trimethylbenzene	20.45	1.5	20.00		102%	70	130	20.32	1%	20	
Vinyl acetate	26.57	5.0	20.00		133%	43	140	27.67	4%	22	
Vinyl chloride	24.17	0.50	20.00		121%	58	161	24.05	0%	20	
Xylenes, Total	61.46	3.0	60.00		102%	70	130	60.34	2%	20	
4-Bromofluorobenzene	41.80	N/A	50.00		84%	70	130				
Dibromofluoromethane	46.26	N/A	50.00		93%	70	130				
1,2-Dichloroethane-d4	43.44	N/A	50.00		87%	68	128				
Toluene-d8	43.97	N/A	50.00		88%	70	130				



Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual	
Sample ID: 0701582-03A-MS	Batch ID: N70205A		Test Code: SW8260B			Date Analyzed: 02/05/07 18:03						
Client ID:				Units: µg/L			Date Prepared: N/A					
Acetone	18.52	18	20.00		93%	13	189					
Benzene	23.08	0.50	20.00		115%	70	130					
Bromobenzene	18.88	1.5	20.00		94%	70	130					
Bromochloromethane	21.84	0.50	20.00		109%	70	130					
Bromodichloromethane	20.30	0.50	20.00		102%	70	130					
Bromoform	17.83	1.0	20.00		89%	70	130					
Bromomethane	28.75	5.0	20.00		144%	45	148					
2-Butanone	20.67	5.0	20.00		103%	54	149					
n-Butylbenzene	19.78	2.5	20.00		99%	70	130					
sec-Butylbenzene	20.80	1.5	20.00		104%	70	130					
tert-Butylbenzene	20.45	2.5	20.00		102%	70	130					
Carbon disulfide	32.85	0.50	20.00		164%	66	161				N1	
Carbon tetrachloride	21.15	0.50	20.00		106%	71	148					
Chlorobenzene	19.37	0.50	20.00		97%	70	130					
Dibromochloromethane	18.96	0.50	20.00		95%	70	130					
Chloroethane	24.85	5.0	20.00		124%	57	159					
Chloroform	23.54	0.50	20.00		118%	70	130					
Chloromethane	24.96	5.0	20.00		125%	49	141					
2-Chlorotoluene	19.82	1.5	20.00		99%	70	130					
4-Chlorotoluene	19.67	2.0	20.00		98%	70	130					
1,2-Dibromo-3-chloropropane	17.23	2.0	20.00		86%	70	130					
1,2-Dibromoethane	18.77	0.50	20.00		94%	70	130					
Dibromomethane	19.53	0.50	20.00		98%	70	130					
1,2-Dichlorobenzene	19.10	1.5	20.00		96%	70	130					
1,3-Dichlorobenzene	18.95	1.5	20.00		95%	70	130					
1,4-Dichlorobenzene	19.54	1.5	20.00		98%	70	130					
Dichlorodifluoromethane	22.16	2.0	20.00		111%	6	169					
1,1-Dichloroethane	22.67	1.0	20.00		113%	67	135					
1,2-Dichloroethane	23.47	1.0	20.00		117%	70	130					
1,1-Dichloroethene	25.31	0.50	20.00		127%	59	168					
cis-1,2-Dichloroethene	22.67	0.50	20.00		113%	70	130					
trans-1,2-Dichloroethene	23.23	0.50	20.00		116%	70	130					
1,2-Dichloropropane	22.63	0.50	20.00		113%	70	130					
1,3-Dichloropropane	19.71	1.0	20.00		99%	70	130					
2,2-Dichloropropane	25.39	0.50	20.00		127%	55	152					
1,1-Dichloropropene	22.49	1.0	20.00		112%	68	150					
cis-1,3-Dichloropropene	22.07	1.0	20.00		110%	70	130					
trans-1,3-Dichloropropene	22.60	0.50	20.00		113%	70	130					
Ethylbenzene	20.25	2.0	20.00		101%	70	130					
Hexachlorobutadiene	21.23	5.0	20.00		106%	66	136					
2-Hexanone	13.12	5.0	20.00		66%	63	127					
Iodomethane	32.22	2.0	20.00		161%	48	148				N1	
Isopropylbenzene	22.75	2.5	20.00		114%	74	141					



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	21.00	1.5	20.00		105%	70	130				
Methylene chloride	20.39	3.0	20.00		102%	70	130				
4-Methyl-2-pentanone	17.66	5.0	20.00		88%	70	130				
Methyl tert-butyl ether	23.52	2.0	20.00		118%	66	135				
Naphthalene	16.06	5.0	20.00		80%	53	127				
n-Propylbenzene	20.95	2.0	20.00		105%	70	130				
Styrene	17.76	1.0	20.00		89%	62	124				
1,1,1,2-Tetrachloroethane	19.91	0.50	20.00		100%	70	130				
1,1,2,2-Tetrachloroethane	21.21	0.50	20.00		106%	70	130				
Tetrachloroethene	19.59	0.50	20.00		98%	69	131				
Toluene	21.23	3.0	20.00		106%	70	130				
1,2,3-Trichlorobenzene	16.51	5.0	20.00		83%	53	129				
1,2,4-Trichlorobenzene	17.01	5.0	20.00		85%	59	121				
1,1,1-Trichloroethane	23.53	0.50	20.00		118%	73	138				
1,1,2-Trichloroethane	22.21	0.50	20.00		111%	70	130				
Trichloroethene	22.28	0.50	20.00		111%	70	130				
Trichlorofluoromethane	24.68	2.0	20.00		123%	58	193				
1,2,3-Trichloropropane	19.17	1.0	20.00		96%	70	130				
1,2,4-Trimethylbenzene	19.33	2.0	20.00		97%	70	130				
1,3,5-Trimethylbenzene	20.15	1.5	20.00		101%	70	130				
Vinyl acetate	26.97	5.0	20.00		135%	43	140				
Vinyl chloride	24.69	0.50	20.00		123%	58	161				
Xylenes, Total	60.7	3.0	60.00		101%	70	130				
4-Bromofluorobenzene	41.43	N/A	50.00		83%	70	130				
Dibromofluoromethane	51.19	N/A	50.00		102%	70	130				
1,2-Dichloroethane-d4	50.21	N/A	50.00		100%	68	128				
Toluene-d8	43.85	N/A	50.00		88%	70	130				



**TRANSWEST
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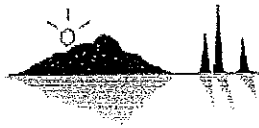
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0701582-03A-MSD	Batch ID: N70205A		Test Code: SW8260B			Date Analyzed: 02/05/07 18:42					
Client ID:	Units: µg/L			Date Prepared: N/A							
Acetone	18.67	18	20.00		93%	13	189	18.52	1%	23	
Benzene	22.73	0.50	20.00		114%	70	130	23.08	2%	20	
Bromobenzene	18.30	1.5	20.00		92%	70	130	18.88	3%	20	
Bromochloromethane	20.83	0.50	20.00		104%	70	130	21.84	5%	20	
Bromodichloromethane	19.82	0.50	20.00		99%	70	130	20.3	2%	20	
Bromoform	18.40	1.0	20.00		92%	70	130	17.83	3%	20	
Bromomethane	28.35	5.0	20.00		142%	45	148	28.75	1%	24	
2-Butanone	19.40	5.0	20.00		97%	54	149	20.67	6%	22	
n-Butylbenzene	19.23	2.5	20.00		96%	70	130	19.78	3%	20	
sec-Butylbenzene	19.56	1.5	20.00		98%	70	130	20.8	6%	20	
tert-Butylbenzene	19.54	2.5	20.00		98%	70	130	20.45	5%	20	
Carbon disulfide	31.11	0.50	20.00		156%	66	161	32.85	5%	20	
Carbon tetrachloride	20.66	0.50	20.00		103%	71	148	21.15	2%	20	
Chlorobenzene	19.36	0.50	20.00		97%	70	130	19.37	0%	20	
Dibromochloromethane	18.81	0.50	20.00		94%	70	130	18.96	1%	20	
Chloroethane	23.41	5.0	20.00		117%	57	159	24.85	6%	20	
Chloroform	22.39	0.50	20.00		112%	70	130	23.54	5%	20	
Chloromethane	24.47	5.0	20.00		122%	49	141	24.96	2%	20	
2-Chlorotoluene	18.97	1.5	20.00		95%	70	130	19.82	4%	20	
4-Chlorotoluene	19.01	2.0	20.00		95%	70	130	19.67	3%	20	
1,2-Dibromo-3-chloropropane	18.25	2.0	20.00		91%	70	130	17.23	6%	24	
1,2-Dibromoethane	18.81	0.50	20.00		94%	70	130	18.77	0%	20	
Dibromomethane	19.84	0.50	20.00		99%	70	130	19.53	2%	20	
1,2-Dichlorobenzene	18.78	1.5	20.00		94%	70	130	19.1	2%	20	
1,3-Dichlorobenzene	18.49	1.5	20.00		92%	70	130	18.95	2%	20	
1,4-Dichlorobenzene	18.21	1.5	20.00		91%	70	130	19.54	7%	20	
Dichlorodifluoromethane	20.69	2.0	20.00		103%	6	169	22.16	7%	20	
1,1-Dichloroethane	21.86	1.0	20.00		109%	67	135	22.67	4%	20	
1,2-Dichloroethane	22.28	1.0	20.00		111%	70	130	23.47	5%	20	
1,1-Dichloroethene	24.12	0.50	20.00		121%	59	168	25.31	5%	20	
cis-1,2-Dichloroethene	21.73	0.50	20.00		109%	70	130	22.67	4%	20	
trans-1,2-Dichloroethene	21.78	0.50	20.00		109%	70	130	23.23	6%	20	
1,2-Dichloropropane	22.41	0.50	20.00		112%	70	130	22.63	1%	20	
1,3-Dichloropropane	19.55	1.0	20.00		98%	70	130	19.71	1%	20	
2,2-Dichloropropane	22.96	0.50	20.00		115%	55	152	25.39	10%	20	
1,1-Dichloropropene	21.94	1.0	20.00		110%	68	150	22.49	2%	20	
cis-1,3-Dichloropropene	21.23	1.0	20.00		106%	70	130	22.07	4%	20	
trans-1,3-Dichloropropene	21.52	0.50	20.00		108%	70	130	22.6	5%	20	
Ethylbenzene	20.01	2.0	20.00		100%	70	130	20.25	1%	20	
Hexachlorobutadiene	20.34	5.0	20.00		102%	66	136	21.23	4%	24	
2-Hexanone	15.10	5.0	20.00		76%	63	127	13.12	14%	22	
Iodomethane	30.67	2.0	20.00		153%	48	148	32.22	5%	20	N1
Isopropylbenzene	21.65	2.5	20.00		108%	74	141	22.75	5%	20	



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QC SUMMARY REPORT
 Sample Matrix Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	20.22	1.5	20.00		101%	70	130	21	4%	20	
Methylene chloride	19.42	3.0	20.00		97%	70	130	20.39	5%	20	
4-Methyl-2-pentanone	17.69	5.0	20.00		88%	70	130	17.66	0%	20	
Methyl tert-butyl ether	22.34	2.0	20.00		112%	66	135	23.52	5%	22	
Naphthalene	19.48	5.0	20.00		97%	53	127	16.06	19%	36	
n-Propylbenzene	19.96	2.0	20.00		100%	70	130	20.95	5%	20	
Styrene	17.71	1.0	20.00		89%	62	124	17.76	0%	20	
1,1,1,2-Tetrachloroethane	19.74	0.50	20.00		99%	70	130	19.91	1%	20	
1,1,2,2-Tetrachloroethane	20.65	0.50	20.00		103%	70	130	21.21	3%	20	
Tetrachloroethane	19.45	0.50	20.00		97%	69	131	19.59	1%	20	
Toluene	20.95	3.0	20.00		105%	70	130	21.23	1%	20	
1,2,3-Trichlorobenzene	19.80	5.0	20.00		99%	53	129	16.51	18%	36	
1,2,4-Trichlorobenzene	17.95	5.0	20.00		90%	59	121	17.01	5%	23	
1,1,1-Trichloroethane	22.23	0.50	20.00		111%	73	138	23.53	6%	20	
1,1,2-Trichloroethane	21.06	0.50	20.00		105%	70	130	22.21	5%	20	
Trichloroethane	21.56	0.50	20.00		108%	70	130	22.28	3%	20	
Trichlorofluoromethane	22.90	2.0	20.00		115%	58	193	24.68	7%	20	
1,2,3-Trichloropropane	18.80	1.0	20.00		94%	70	130	19.17	2%	20	
1,2,4-Trimethylbenzene	18.66	2.0	20.00		93%	70	130	19.33	4%	31	
1,3,5-Trimethylbenzene	19.45	1.5	20.00		97%	70	130	20.15	4%	20	
Vinyl acetate	27.21	5.0	20.00		136%	43	140	26.97	1%	22	
Vinyl chloride	24.08	0.50	20.00		120%	58	161	24.69	3%	20	
Xylenes, Total	59.55	3.0	60.00		99%	70	130	60.7	2%	20	
4-Bromofluorobenzene	40.71	N/A	50.00		81%	70	130				
Dibromofluoromethane	50.16	N/A	50.00		100%	70	130				
1,2-Dichloroethane-d4	48.55	N/A	50.00		97%	68	128				
Toluene-d8	45.01	N/A	50.00		90%	70	130				



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QC SUMMARY REPORT
Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual	
Sample ID: LCS	Batch ID: IC-2/07/2007		Test Code: EPA300			Date Analyzed: 02/07/07 00:00		Units: mg/L				Date Prepared: N/A
Chloride	24.31	2.5	25.00		97%	90	110					
Fluoride	4.915	0.50	5.000		98%	90	110					
Sulfate	28.54	3.0	30.00		95%	90	110					
Sample ID: LCS	Batch ID: IC-2/14/2007		Test Code: EPA300			Date Analyzed: 02/14/07 00:00		Units: mg/L				Date Prepared: N/A
Chloride	24.82	2.5	25.00		99%	90	110					
Sulfate	28.84	3.0	30.00		96%	90	110					
Sample ID: LCSD	Batch ID: IC-2/07/2007		Test Code: EPA300			Date Analyzed: 02/07/07 00:00		Units: mg/L				Date Prepared: N/A
Chloride	24.26	2.5	25.00		97%	90	110	24.31	0%	20		
Fluoride	4.905	0.50	5.000		98%	90	110	4.915	0%	20		
Sulfate	28.77	3.0	30.00		96%	90	110	28.54	1%	20		
Sample ID: LCSD	Batch ID: IC-2/14/2007		Test Code: EPA300			Date Analyzed: 02/14/07 00:00		Units: mg/L				Date Prepared: N/A
Chloride	24.50	2.5	25.00		98%	90	110	24.82	1%	20		
Sulfate	28.50	3.0	30.00		95%	90	110	28.84	1%	20		
Sample ID: LCS	Batch ID: NH4_W-2/5/2007		Test Code: EPA350.1			Date Analyzed: 02/05/06 00:00		Units: mg/L				Date Prepared: N/A
Nitrogen, Ammonia (As N)	2.446	0.20	2.500		98%	90	110					
Sample ID: LCSD	Batch ID: NH4_W-2/5/2007		Test Code: EPA350.1			Date Analyzed: 02/05/06 00:00		Units: mg/L				Date Prepared: N/A
Nitrogen, Ammonia (As N)	2.500	0.20	2.500		100%	90	110	2.446	2%	20		
Sample ID: LCS	Batch ID: TKN_W-2/9/2007		Test Code: EPA351.2			Date Analyzed: 02/09/07 00:00		Units: mg/L				Date Prepared: 2/8/07
Nitrogen, Kjeldahl, Total	2.737	0.50	2.500		109%	90	110					
Sample ID: LCSD	Batch ID: TKN_W-2/9/2007		Test Code: EPA351.2			Date Analyzed: 02/09/07 00:00		Units: mg/L				Date Prepared: 2/8/07
Nitrogen, Kjeldahl, Total	2.362	0.50	2.500		94%	90	110	2.737	15%	20		
Sample ID: LCS	Batch ID: NO3_W-2/6/2007		Test Code: EPA353.2			Date Analyzed: 02/06/07 00:00		Units: mg/L				Date Prepared: N/A
Nitrate-Nitrite (As N)	5.030	0.50	5.000		101%	90	110					



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QC SUMMARY REPORT
Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD	Batch ID: NO3_W-2/6/2007		Test Code: EPA353.2		Date Analyzed: 02/06/07 00:00			Units: mg/L		Date Prepared: N/A	
Nitrate-Nitrite (As N)	5.130	0.50	5.000		103%	90	110	5.03	2%	20	
Sample ID: LCS	Batch ID: 418_W-2/9/2007		Test Code: EPA418.1		Date Analyzed: 02/09/07 00:00			Units: mg/L		Date Prepared: 2/9/07	
Petroleum Hydrocarbons, TR	1.758	0.50	2.020		87%	85	115				
Sample ID: LCSD	Batch ID: 418_W-2/9/2007		Test Code: EPA418.1		Date Analyzed: 02/09/07 00:00			Units: mg/L		Date Prepared: 2/9/07	
Petroleum Hydrocarbons, TR	1.758	0.50	2.020		87%	85	115	1.758	0%	20	
Sample ID: LCS	Batch ID: CL_RESDL-2/5/2007		Test Code: Hach 8167		Date Analyzed: 02/01/07 11:30			Units: mg/L		Date Prepared: N/A	
Chlorine	0.9500	0.050	0.9741		98%	87	105				
Sample ID: LCSD	Batch ID: CL_RESDL-2/5/2007		Test Code: Hach 8167		Date Analyzed: 02/01/07 11:30			Units: mg/L		Date Prepared: N/A	
Chlorine	0.9900	0.050	0.9741		102%	87	105	0.95	4%	20	
Sample ID: LCS	Batch ID: NO2DW2/1/2007		Test Code: SM 4500-NO2 B		Date Analyzed: 02/01/07 13:38			Units: mg/L		Date Prepared: N/A	
Nitrite (As N)	0.09850	0.020	0.1000		99%	85	121				
Sample ID: LCS	Batch ID: ALK_W-2/10/2007		Test Code: SM2320 B		Date Analyzed: 02/10/07 00:00			Units: mg/L		Date Prepared: N/A	
Alkalinity, Total (As CaCO3)	171.5	20	167.0		103%	90	110				
Sample ID: LCS	Batch ID: TOC_W-2/1/2007		Test Code: SM5310C		Date Analyzed: 02/01/07 00:00			Units: mg/L		Date Prepared: N/A	
Organic Carbon, Total	5.527	1.0	5.000		111%	90	110				L1
Sample ID: LCSD	Batch ID: TOC_W-2/1/2007		Test Code: SM5310C		Date Analyzed: 02/01/07 00:00			Units: mg/L		Date Prepared: N/A	
Organic Carbon, Total	5.397	1.0	5.000		108%	90	110	5.527	2%	20	



**TRANSWEST
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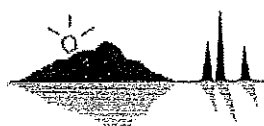
Date: 16-Feb-07

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Project: TCC

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS-12936			Batch ID: 12936		Test Code: EPA200.7			Date Analyzed: 02/06/07 13:35			
					Units: mg/L			Date Prepared: 2/6/07			
Aluminum	11.30	0.10	11.00		103%	85	115				
Barium	1.090	0.010	1.000		109%	85	115				
Beryllium	0.9746	0.0010	1.000		97%	85	115				
Cadmium	1.023	0.0030	1.000		102%	85	115				
Chromium	0.9524	0.010	1.000		95%	85	115				
Copper	0.9842	0.010	1.000		98%	85	115				
Magnesium	26.33	1.0	26.00		101%	85	115				
Nickel	0.9881	0.010	1.000		99%	85	115				
Potassium	25.90	2.0	25.00		104%	85	115				
Silver	0.07007	0.0050	0.07500		93%	85	115				
Sodium	25.53	2.0	25.00		102%	85	115				
Zinc	0.9904	0.050	1.000		99%	85	115				
Sample ID: LCS-12966			Batch ID: 12966		Test Code: EPA200.7			Date Analyzed: 02/09/07 16:49			
					Units: mg/L			Date Prepared: 2/9/07			
Iron	0.9813	0.10	1.000		98%	85	115				
Sample ID: LCSD-12936			Batch ID: 12936		Test Code: EPA200.7			Date Analyzed: 02/06/07 13:38			
					Units: mg/L			Date Prepared: 2/6/07			
Aluminum	11.85	0.10	11.00		108%	85	115	11.3	5%	20	
Barium	1.148	0.010	1.000		115%	85	115	1.09	5%	20	
Beryllium	1.022	0.0010	1.000		102%	85	115	0.9746	5%	20	
Cadmium	1.075	0.0030	1.000		108%	85	115	1.023	5%	20	
Chromium	1.001	0.010	1.000		100%	85	115	0.9524	5%	20	
Copper	1.031	0.010	1.000		103%	85	115	0.9842	5%	20	
Magnesium	27.65	1.0	26.00		106%	85	115	26.33	5%	20	
Nickel	1.029	0.010	1.000		103%	85	115	0.9881	4%	20	
Potassium	27.33	2.0	25.00		109%	85	115	25.9	5%	20	
Silver	0.07403	0.0050	0.07500		99%	85	115	0.07007	5%	20	
Sodium	27.07	2.0	25.00		108%	85	115	25.53	6%	20	
Zinc	1.042	0.050	1.000		104%	85	115	0.9904	5%	20	
Sample ID: LCSD-12966			Batch ID: 12966		Test Code: EPA200.7			Date Analyzed: 02/09/07 16:52			
					Units: mg/L			Date Prepared: 2/9/07			
Iron	0.9852	0.10	1.000		99%	85	115	0.9813	0%	20	
Sample ID: LCS-12930			Batch ID: 12930		Test Code: EPA200.8			Date Analyzed: 02/05/07 21:15			
					Units: mg/L			Date Prepared: 2/3/07			
Arsenic	0.02579	0.0030	0.02500		103%	85	115				
Lead	0.02544	0.0020	0.02500		102%	85	115				
Selenium	0.02648	0.0020	0.02500		106%	85	115				
Thallium	0.02596	0.0005	0.02500		104%	85	115				



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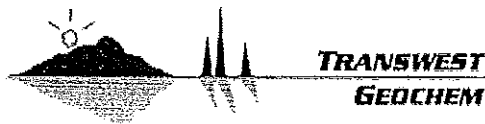
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CLIENT: City of Tucson, Environmental Services
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QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual	
Sample ID: LCS-12930	Batch ID: 12930		Test Code: EPA200.8			Date Analyzed: 02/09/07 15:23		Units: mg/L				Date Prepared: 2/3/07
Antimony	0.02674	0.0020	0.02500		107%	85	115					
Sample ID: LCSD-12930	Batch ID: 12930		Test Code: EPA200.8			Date Analyzed: 02/09/07 15:28		Units: mg/L				Date Prepared: 2/3/07
Antimony	0.02632	0.0020	0.02500		105%	85	115	0.02674	2%	20		
Sample ID: LCSD-12930	Batch ID: 12930		Test Code: EPA200.8			Date Analyzed: 02/05/07 21:21		Units: mg/L				Date Prepared: 2/3/07
Arsenic	0.02666	0.0030	0.02500		107%	85	115	0.02579	3%	20		
Lead	0.02581	0.0020	0.02500		103%	85	115	0.02544	1%	20		
Selenium	0.02781	0.0020	0.02500		111%	85	115	0.02648	5%	20		
Thallium	0.02661	0.0005	0.02500		106%	85	115	0.02596	2%	20		
Sample ID: LCS-12969	Batch ID: 12969		Test Code: EPA245.1			Date Analyzed: 02/09/07 00:00		Units: mg/L				Date Prepared: 2/9/07
Mercury	0.0009939	0.0002	0.001000		99%	85	115					
Sample ID: LCSD-12969	Batch ID: 12969		Test Code: EPA245.1			Date Analyzed: 02/09/07 00:00		Units: mg/L				Date Prepared: 2/9/07
Mercury	0.0009535	0.0002	0.001000		95%	85	115	0.0009939	4%	20		



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QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS	Batch ID: R070201A		Test Code: SW8260B			Date Analyzed: 02/01/07 07:30		Date Prepared: N/A			
			Units: µg/L								
Acetone	16.11	10	20.00		81%	39	202				
Benzene	21.68	0.50	20.00		108%	70	130				
Bromobenzene	21.60	1.5	20.00		108%	70	130				
Bromochloromethane	20.34	0.50	20.00		102%	70	130				
Bromodichloromethane	21.78	0.50	20.00		109%	70	130				
Bromoform	22.03	1.0	20.00		110%	70	130				
Bromomethane	21.32	5.0	20.00		107%	52	136				
2-Butanone	19.66	5.0	20.00		98%	70	159				
n-Butylbenzene	23.72	2.5	20.00		119%	70	130				
sec-Butylbenzene	23.61	1.5	20.00		118%	67	128				
tert-Butylbenzene	23.13	2.5	20.00		116%	70	130				
Carbon disulfide	27.89	0.50	20.00		139%	65	142				
Carbon tetrachloride	21.97	0.50	20.00		110%	66	128				
Chlorobenzene	21.51	0.50	20.00		108%	70	130				
Dibromochloromethane	24.21	0.50	20.00		121%	70	130				
Chloroethane	21.17	5.0	20.00		106%	67	134				
Chloroform	20.85	0.50	20.00		104%	70	130				
Chloromethane	25.27	5.0	20.00		126%	52	123				L1
2-Chlorotoluene	22.47	1.5	20.00		112%	70	130				
4-Chlorotoluene	22.80	2.0	20.00		114%	70	130				
1,2-Dibromo-3-chloropropane	23.10	2.0	20.00		116%	70	130				
1,2-Dibromoethane	22.32	0.50	20.00		112%	70	130				
Dibromomethane	21.34	0.50	20.00		107%	70	130				
1,2-Dichlorobenzene	22.87	1.5	20.00		114%	70	130				
1,3-Dichlorobenzene	22.50	1.5	20.00		113%	70	130				
1,4-Dichlorobenzene	22.61	1.5	20.00		113%	70	130				
Dichlorodifluoromethane	25.58	2.0	20.00		128%	17	141				
1,1-Dichloroethane	20.86	1.0	20.00		104%	70	130				
1,2-Dichloroethane	22.44	1.0	20.00		112%	70	130				
1,1-Dichloroethene	21.75	0.50	20.00		109%	67	139				
cis-1,2-Dichloroethene	20.22	0.50	20.00		101%	70	130				
trans-1,2-Dichloroethene	20.98	0.50	20.00		105%	70	130				
1,2-Dichloropropane	21.59	0.50	20.00		108%	70	130				
1,3-Dichloropropane	21.54	1.0	20.00		108%	70	130				
2,2-Dichloropropane	23.45	0.50	20.00		117%	62	139				
1,1-Dichloropropene	22.13	1.0	20.00		111%	70	130				
cis-1,3-Dichloropropene	23.36	1.0	20.00		117%	70	130				
trans-1,3-Dichloropropene	23.89	0.50	20.00		119%	70	130				
Ethylbenzene	22.40	2.0	20.00		112%	70	130				
Hexachlorobutadiene	28.89	5.0	20.00		144%	53	141				N1
2-Hexanone	19.91	5.0	20.00		100%	70	130				
Iodomethane	27.50	2.0	20.00		138%	65	133				L1
Isopropylbenzene	24.68	2.5	20.00		123%	70	130				



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	22.85	1.5	20.00		114%	70	130				
Methylene chloride	19.49	3.0	20.00		97%	70	130				
4-Methyl-2-pentanone	19.78	5.0	20.00		99%	70	130				
Methyl tert-butyl ether	22.15	2.0	20.00		111%	70	130				
Naphthalene	24.74	5.0	20.00		124%	59	135				
n-Propylbenzene	23.70	2.0	20.00		119%	70	130				
Styrene	22.17	1.0	20.00		111%	70	130				
1,1,1,2-Tetrachloroethane	23.15	0.50	20.00		116%	70	130				
1,1,2,2-Tetrachloroethane	24.00	0.50	20.00		120%	70	130				
Tetrachloroethene	21.24	0.50	20.00		106%	70	130				
Toluene	21.86	3.0	20.00		109%	70	130				
1,2,3-Trichlorobenzene	26.64	5.0	20.00		133%	58	140				
1,2,4-Trichlorobenzene	25.40	5.0	20.00		127%	64	129				
1,1,1-Trichloroethane	21.65	0.50	20.00		108%	70	130				
1,1,2-Trichloroethane	22.49	0.50	20.00		112%	70	130				
Trichloroethene	21.06	0.50	20.00		105%	70	130				
Trichlorofluoromethane	22.52	2.0	20.00		113%	54	160				
1,2,3-Trichloropropane	23.39	1.0	20.00		117%	70	130				
1,2,4-Trimethylbenzene	23.75	2.0	20.00		119%	70	130				
1,3,5-Trimethylbenzene	23.94	1.5	20.00		120%	70	130				
Vinyl acetate	26.85	5.0	20.00		134%	57	160				
Vinyl chloride	26.27	0.50	20.00		131%	61	142				
Xylenes, Total	67.89	3.0	60.00		113%	70	130				
4-Bromofluorobenzene	49.88	N/A	50.00		100%	70	130				
Dibromofluoromethane	47.30	N/A	50.00		95%	70	130				
1,2-Dichloroethane-d4	49.26	N/A	50.00		99%	68	128				
Toluene-d8	51.68	N/A	50.00		103%	70	130				



**TRANSWEST
GEOCHEM**

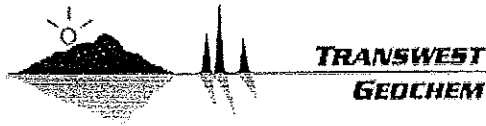
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
Work Order: 0701606
Project: TCC

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS	Batch ID: N70202A		Test Code: SW8260B			Date Analyzed: 02/02/07 12:06		Date Prepared: N/A			
					Units: µg/L						
Acetone	18.44	18	20.00		92%	39	202				
Benzene	22.49	0.50	20.00		112%	70	130				
Bromobenzene	20.15	1.5	20.00		101%	70	130				
Bromochloromethane	20.95	0.50	20.00		105%	70	130				
Bromodichloromethane	20.13	0.50	20.00		101%	70	130				
Bromoform	19.74	1.0	20.00		99%	70	130				
Bromomethane	24.17	5.0	20.00		121%	52	136				
2-Butanone	20.82	5.0	20.00		104%	70	159				
n-Butylbenzene	20.14	2.5	20.00		101%	70	130				
sec-Butylbenzene	20.80	1.5	20.00		104%	67	128				
tert-Butylbenzene	20.45	2.5	20.00		102%	70	130				
Carbon disulfide	28.61	0.50	20.00		143%	65	142				L1
Carbon tetrachloride	19.51	0.50	20.00		98%	66	128				
Chlorobenzene	20.33	0.50	20.00		102%	70	130				
Dibromochloromethane	20.61	0.50	20.00		103%	70	130				
Chloroethane	23.01	5.0	20.00		115%	67	134				
Chloroform	21.10	0.50	20.00		106%	70	130				
Chloromethane	22.60	5.0	20.00		113%	52	123				
2-Chlorotoluene	20.17	1.5	20.00		101%	70	130				
4-Chlorotoluene	20.11	2.0	20.00		101%	70	130				
1,2-Dibromo-3-chloropropane	22.08	2.0	20.00		110%	70	130				
1,2-Dibromoethane	20.74	0.50	20.00		104%	70	130				
Dibromomethane	20.64	0.50	20.00		103%	70	130				
1,2-Dichlorobenzene	20.68	1.5	20.00		103%	70	130				
1,3-Dichlorobenzene	20.30	1.5	20.00		102%	70	130				
1,4-Dichlorobenzene	20.40	1.5	20.00		102%	70	130				
Dichlorodifluoromethane	19.45	2.0	20.00		97%	17	141				
1,1-Dichloroethane	21.08	1.0	20.00		105%	70	130				
1,2-Dichloroethane	21.14	1.0	20.00		106%	70	130				
1,1-Dichloroethene	22.18	0.50	20.00		111%	67	139				
cis-1,2-Dichloroethene	21.26	0.50	20.00		106%	70	130				
trans-1,2-Dichloroethene	20.71	0.50	20.00		104%	70	130				
1,2-Dichloropropane	22.39	0.50	20.00		112%	70	130				
1,3-Dichloropropane	21.47	1.0	20.00		107%	70	130				
2,2-Dichloropropane	21.62	0.50	20.00		108%	62	139				
1,1-Dichloropropene	21.16	1.0	20.00		106%	70	130				
cis-1,3-Dichloropropene	21.46	1.0	20.00		107%	70	130				
trans-1,3-Dichloropropene	22.11	0.50	20.00		111%	70	130				
Ethylbenzene	21.14	2.0	20.00		106%	70	130				
Hexachlorobutadiene	20.73	5.0	20.00		104%	53	141				
2-Hexanone	15.68	5.0	20.00		78%	70	130				
Iodomethane	27.93	2.0	20.00		140%	65	133				N1
Isopropylbenzene	22.88	2.5	20.00		114%	70	130				



Date: 16-Feb-07

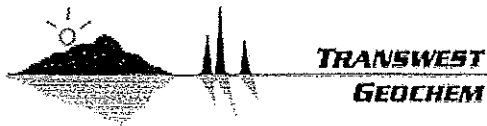
License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	21.64	1.5	20.00		108%	70	130				
Methylene chloride	19.00	3.0	20.00		95%	70	130				
4-Methyl-2-pentanone	17.75	5.0	20.00		89%	70	130				
Methyl tert-butyl ether	22.35	2.0	20.00		112%	70	130				
Naphthalene	21.19	5.0	20.00		106%	59	135				
n-Propylbenzene	21.21	2.0	20.00		106%	70	130				
Styrene	20.75	1.0	20.00		104%	70	130				
1,1,1,2-Tetrachloroethane	20.92	0.50	20.00		105%	70	130				
1,1,2,2-Tetrachloroethane	23.41	0.50	20.00		117%	70	130				
Tetrachloroethene	20.20	0.50	20.00		101%	70	130				
Toluene	22.19	3.0	20.00		111%	70	130				
1,2,3-Trichlorobenzene	21.54	5.0	20.00		108%	58	140				
1,2,4-Trichlorobenzene	19.54	5.0	20.00		98%	64	129				
1,1,1-Trichloroethane	20.90	0.50	20.00		105%	70	130				
1,1,2-Trichloroethane	22.15	0.50	20.00		111%	70	130				
Trichloroethene	21.21	0.50	20.00		106%	70	130				
Trichlorofluoromethane	20.51	2.0	20.00		103%	54	160				
1,2,3-Trichloropropane	20.99	1.0	20.00		105%	70	130				
1,2,4-Trimethylbenzene	19.85	2.0	20.00		99%	70	130				
1,3,5-Trimethylbenzene	20.61	1.5	20.00		103%	70	130				
Vinyl acetate	30.45	5.0	20.00		152%	57	160				
Vinyl chloride	22.39	0.50	20.00		112%	61	142				
Xylenes, Total	61.82	3.0	60.00		103%	70	130				
4-Bromofluorobenzene	43.11	N/A	50.00		86%	70	130				
Dibromofluoromethane	45.28	N/A	50.00		91%	70	130				
1,2-Dichloroethane-d4	41.86	N/A	50.00		84%	68	128				
Toluene-d8	45.13	N/A	50.00		90%	70	130				



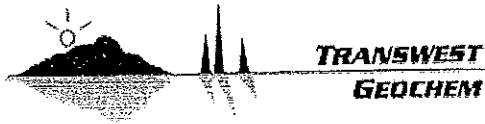
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCS	Batch ID: N70205A		Test Code: SW8260B			Date Analyzed: 02/05/07 10:17					
			Units: µg/L			Date Prepared: N/A					
Acetone	19.25	19	20.00		96%	39	202				
Benzene	22.86	0.50	20.00		114%	70	130				
Bromobenzene	19.27	1.5	20.00		96%	70	130				
Bromochloromethane	21.73	0.50	20.00		109%	70	130				
Bromodichloromethane	20.17	0.50	20.00		101%	70	130				
Bromoform	20.04	1.0	20.00		100%	70	130				
Bromomethane	28.48	5.0	20.00		142%	52	136				L1
2-Butanone	21.46	5.0	20.00		107%	70	159				
n-Butylbenzene	19.27	2.5	20.00		96%	70	130				
sec-Butylbenzene	20.19	1.5	20.00		101%	67	128				
tert-Butylbenzene	19.69	2.5	20.00		98%	70	130				
Carbon disulfide	29.51	0.50	20.00		148%	65	142				N1
Carbon tetrachloride	19.74	0.50	20.00		99%	66	128				
Chlorobenzene	19.92	0.50	20.00		100%	70	130				
Dibromochloromethane	19.76	0.50	20.00		99%	70	130				
Chloroethane	22.98	5.0	20.00		115%	67	134				
Chloroform	21.87	0.50	20.00		109%	70	130				
Chloromethane	23.55	5.0	20.00		118%	52	123				
2-Chlorotoluene	19.38	1.5	20.00		97%	70	130				
4-Chlorotoluene	19.81	2.0	20.00		99%	70	130				
1,2-Dibromo-3-chloropropane	20.33	2.0	20.00		102%	70	130				
1,2-Dibromoethane	19.88	0.50	20.00		99%	70	130				
Dibromomethane	21.13	0.50	20.00		106%	70	130				
1,2-Dichlorobenzene	19.91	1.5	20.00		100%	70	130				
1,3-Dichlorobenzene	19.83	1.5	20.00		99%	70	130				
1,4-Dichlorobenzene	19.91	1.5	20.00		100%	70	130				
Dichlorodifluoromethane	19.54	2.0	20.00		98%	17	141				
1,1-Dichloroethane	20.92	1.0	20.00		105%	70	130				
1,2-Dichloroethane	21.83	1.0	20.00		109%	70	130				
1,1-Dichloroethene	22.39	0.50	20.00		112%	67	139				
cis-1,2-Dichloroethene	22.02	0.50	20.00		110%	70	130				
trans-1,2-Dichloroethene	21.06	0.50	20.00		105%	70	130				
1,2-Dichloropropane	22.59	0.50	20.00		113%	70	130				
1,3-Dichloropropane	20.34	1.0	20.00		102%	70	130				
2,2-Dichloropropane	22.16	0.50	20.00		111%	62	139				
1,1-Dichloropropene	21.51	1.0	20.00		108%	70	130				
cis-1,3-Dichloropropene	21.97	1.0	20.00		110%	70	130				
trans-1,3-Dichloropropene	22.72	0.50	20.00		114%	70	130				
Ethylbenzene	20.41	2.0	20.00		102%	70	130				
Hexachlorobutadiene	19.72	5.0	20.00		99%	53	141				
2-Hexanone	16.85	5.0	20.00		84%	70	130				
Iodomethane	30.35	2.0	20.00		152%	65	133				N1
Isopropylbenzene	21.72	2.5	20.00		109%	70	130				



Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	20.63	1.5	20.00		103%	70	130				
Methylene chloride	22.14	3.0	20.00	3.33	94%	70	130				
4-Methyl-2-pentanone	18.16	5.0	20.00		91%	70	130				
Methyl tert-butyl ether	22.98	2.0	20.00		115%	70	130				
Naphthalene	20.55	5.0	20.00		103%	59	135				
n-Propylbenzene	20.21	2.0	20.00		101%	70	130				
Styrene	20.20	1.0	20.00		101%	70	130				
1,1,1,2-Tetrachloroethane	20.49	0.50	20.00		102%	70	130				
1,1,2,2-Tetrachloroethane	22.78	0.50	20.00		114%	70	130				
Tetrachloroethene	19.46	0.50	20.00		97%	70	130				
Toluene	21.23	3.0	20.00		106%	70	130				
1,2,3-Trichlorobenzene	21.08	5.0	20.00		105%	58	140				
1,2,4-Trichlorobenzene	18.92	5.0	20.00		95%	64	129				
1,1,1-Trichloroethane	21.12	0.50	20.00		106%	70	130				
1,1,2-Trichloroethane	22.32	0.50	20.00		112%	70	130				
Trichloroethene	21.61	0.50	20.00		108%	70	130				
Trichlorofluoromethane	20.83	2.0	20.00		104%	54	160				
1,2,3-Trichloropropane	20.39	1.0	20.00		102%	70	130				
1,2,4-Trimethylbenzene	19.10	2.0	20.00		96%	70	130				
1,3,5-Trimethylbenzene	19.75	1.5	20.00		99%	70	130				
Vinyl acetate	30.29	5.0	20.00		151%	57	160				
Vinyl chloride	22.39	0.50	20.00		112%	61	142				
Xylenes, Total	59.69	3.0	60.00		99%	70	130				
4-Bromofluorobenzene	41.27	N/A	50.00		83%	70	130				
Dibromofluoromethane	48.58	N/A	50.00		97%	70	130				
1,2-Dichloroethane-d4	44.86	N/A	50.00		90%	68	128				
Toluene-d8	44.56	N/A	50.00		89%	70	130				



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

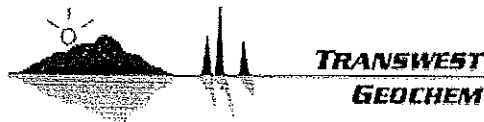
License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD	Batch ID: N70205A		Test Code: SW8260B			Date Analyzed: 02/05/07 10:55					
				Units: µg/L			Date Prepared: N/A				
Acetone	19.46	19	20.00		97%	39	202	19.25	1%	41	
Benzene	23.20	0.50	20.00		116%	70	130	22.86	1%	20	
Bromobenzene	20.13	1.5	20.00		101%	70	130	19.27	4%	20	
Bromochloromethane	22.05	0.50	20.00		110%	70	130	21.73	1%	20	
Bromodichloromethane	20.20	0.50	20.00		101%	70	130	20.17	0%	20	
Bromoform	19.97	1.0	20.00		100%	70	130	20.04	0%	20	
Bromomethane	27.72	5.0	20.00		139%	52	136	28.48	3%	20	L1
2-Butanone	19.05	5.0	20.00		95%	70	159	21.46	12%	22	
n-Butylbenzene	19.99	2.5	20.00		100%	70	130	19.27	4%	20	
sec-Butylbenzene	20.96	1.5	20.00		105%	67	128	20.19	4%	20	
tert-Butylbenzene	20.38	2.5	20.00		102%	70	130	19.69	3%	20	
Carbon disulfide	30.18	0.50	20.00		151%	65	142	29.51	2%	20	N1
Carbon tetrachloride	20.36	0.50	20.00		102%	66	128	19.74	3%	20	
Chlorobenzene	20.71	0.50	20.00		104%	70	130	19.92	4%	20	
Dibromochloromethane	20.33	0.50	20.00		102%	70	130	19.76	3%	20	
Chloroethane	23.20	5.0	20.00		116%	67	134	22.98	1%	20	
Chloroform	22.01	0.50	20.00		110%	70	130	21.87	1%	20	
Chloromethane	23.84	5.0	20.00		119%	52	123	23.55	1%	20	
2-Chlorotoluene	20.15	1.5	20.00		101%	70	130	19.38	4%	20	
4-Chlorotoluene	20.17	2.0	20.00		101%	70	130	19.81	2%	20	
1,2-Dibromo-3-chloropropane	20.64	2.0	20.00		103%	70	130	20.33	2%	20	
1,2-Dibromoethane	20.67	0.50	20.00		103%	70	130	19.88	4%	20	
Dibromomethane	21.17	0.50	20.00		106%	70	130	21.13	0%	20	
1,2-Dichlorobenzene	20.17	1.5	20.00		101%	70	130	19.91	1%	20	
1,3-Dichlorobenzene	19.88	1.5	20.00		99%	70	130	19.83	0%	20	
1,4-Dichlorobenzene	18.86	1.5	20.00		94%	70	130	19.91	5%	20	
Dichlorodifluoromethane	19.75	2.0	20.00		99%	17	141	19.54	1%	20	
1,1-Dichloroethane	22.42	1.0	20.00		112%	70	130	20.92	7%	20	
1,2-Dichloroethane	21.42	1.0	20.00		107%	70	130	21.83	2%	20	
1,1-Dichloroethene	23.05	0.50	20.00		115%	67	139	22.39	3%	20	
cis-1,2-Dichloroethene	22.38	0.50	20.00		112%	70	130	22.02	2%	20	
trans-1,2-Dichloroethene	21.74	0.50	20.00		109%	70	130	21.06	3%	20	
1,2-Dichloropropane	23.07	0.50	20.00		115%	70	130	22.59	2%	20	
1,3-Dichloropropane	21.25	1.0	20.00		106%	70	130	20.34	4%	20	
2,2-Dichloropropane	22.45	0.50	20.00		112%	62	139	22.16	1%	20	
1,1-Dichloropropene	22.13	1.0	20.00		111%	70	130	21.51	3%	20	
cis-1,3-Dichloropropene	22.04	1.0	20.00		110%	70	130	21.97	0%	20	
trans-1,3-Dichloropropene	22.38	0.50	20.00		112%	70	130	22.72	2%	20	
Ethylbenzene	21.57	2.0	20.00		108%	70	130	20.41	6%	20	
Hexachlorobutadiene	20.38	5.0	20.00		102%	53	141	19.72	3%	20	
2-Hexanone	15.85	5.0	20.00		79%	70	130	16.85	6%	20	
Iodomethane	31.14	2.0	20.00		156%	65	133	30.35	3%	20	N1
Isopropylbenzene	22.89	2.5	20.00		114%	70	130	21.72	5%	20	



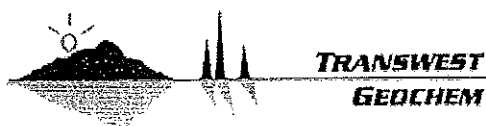
Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT
 Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	21.34	1.5	20.00		107%	70	130	20.63	3%	20	
Methylene chloride	21.66	3.0	20.00	3.33	92%	70	130	22.14	2%	20	
4-Methyl-2-pentanone	17.93	5.0	20.00		90%	70	130	18.16	1%	20	
Methyl tert-butyl ether	22.29	2.0	20.00		111%	70	130	22.98	3%	23	
Naphthalene	21.72	5.0	20.00		109%	59	135	20.55	6%	31	
n-Propylbenzene	21.15	2.0	20.00		106%	70	130	20.21	5%	20	
Styrene	21.64	1.0	20.00		108%	70	130	20.2	7%	20	
1,1,1,2-Tetrachloroethane	21.13	0.50	20.00		106%	70	130	20.49	3%	20	
1,1,2,2-Tetrachloroethane	22.22	0.50	20.00		111%	70	130	22.78	2%	20	
Tetrachloroethene	21.09	0.50	20.00		105%	70	130	19.46	8%	20	
Toluene	22.80	3.0	20.00		114%	70	130	21.23	7%	20	
1,2,3-Trichlorobenzene	22.31	5.0	20.00		112%	58	140	21.08	6%	31	
1,2,4-Trichlorobenzene	19.72	5.0	20.00		99%	64	129	18.92	4%	21	
1,1,1-Trichloroethane	21.48	0.50	20.00		107%	70	130	21.12	2%	20	
1,1,2-Trichloroethane	22.68	0.50	20.00		113%	70	130	22.32	2%	20	
Trichloroethene	22.74	0.50	20.00		114%	70	130	21.61	5%	20	
Trichlorofluoromethane	21.30	2.0	20.00		107%	54	160	20.83	2%	20	
1,2,3-Trichloropropane	20.41	1.0	20.00		102%	70	130	20.39	0%	20	
1,2,4-Trimethylbenzene	19.59	2.0	20.00		98%	70	130	19.1	3%	20	
1,3,5-Trimethylbenzene	20.51	1.5	20.00		103%	70	130	19.75	4%	20	
Vinyl acetate	30.50	5.0	20.00		153%	57	160	30.29	1%	33	
Vinyl chloride	23.19	0.50	20.00		116%	61	142	22.39	4%	20	
Xylenes, Total	63.05	3.0	60.00		105%	70	130	59.69	5%	20	
4-Bromofluorobenzene	41.61	N/A	50.00		83%	70	130				
Dibromofluoromethane	48.13	N/A	50.00		96%	70	130				
1,2-Dichloroethane-d4	44.47	N/A	50.00		89%	68	128				
Toluene-d8	45.62	N/A	50.00		91%	70	130				



Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD	Batch ID: N70202A		Test Code: SW8260B			Date Analyzed: 02/02/07 12:45					
			Units: µg/L			Date Prepared: N/A					
Acetone	24.30	20	20.00		122%	39	202	18.44	27%	41	
Benzene	23.19	0.50	20.00		116%	70	130	22.49	3%	20	
Bromobenzene	20.35	1.5	20.00		102%	70	130	20.15	1%	20	
Bromochloromethane	21.41	0.50	20.00		107%	70	130	20.95	2%	20	
Bromodichloromethane	19.99	0.50	20.00		100%	70	130	20.13	1%	20	
Bromoform	19.47	1.0	20.00		97%	70	130	19.74	1%	20	
Bromomethane	26.11	5.0	20.00		131%	52	136	24.17	8%	20	
2-Butanone	20.94	5.0	20.00		105%	70	159	20.82	1%	22	
n-Butylbenzene	20.95	2.5	20.00		105%	70	130	20.14	4%	20	
sec-Butylbenzene	21.70	1.5	20.00		109%	67	128	20.8	4%	20	
tert-Butylbenzene	21.25	2.5	20.00		106%	70	130	20.45	4%	20	
Carbon disulfide	30.52	0.50	20.00		153%	65	142	28.61	6%	20	L1
Carbon tetrachloride	20.30	0.50	20.00		102%	66	128	19.51	4%	20	
Chlorobenzene	21.12	0.50	20.00		106%	70	130	20.33	4%	20	
Dibromochloromethane	20.49	0.50	20.00		102%	70	130	20.61	1%	20	
Chloroethane	22.74	5.0	20.00		114%	67	134	23.01	1%	20	
Chloroform	21.66	0.50	20.00		108%	70	130	21.1	3%	20	
Chloromethane	23.49	5.0	20.00		117%	52	123	22.6	4%	20	
2-Chlorotoluene	20.73	1.5	20.00		104%	70	130	20.17	3%	20	
4-Chlorotoluene	20.68	2.0	20.00		103%	70	130	20.11	3%	20	
1,2-Dibromo-3-chloropropane	20.61	2.0	20.00		103%	70	130	22.08	7%	20	
1,2-Dibromoethane	20.49	0.50	20.00		102%	70	130	20.74	1%	20	
Dibromomethane	21.02	0.50	20.00		105%	70	130	20.64	2%	20	
1,2-Dichlorobenzene	20.98	1.5	20.00		105%	70	130	20.68	1%	20	
1,3-Dichlorobenzene	20.70	1.5	20.00		104%	70	130	20.3	2%	20	
1,4-Dichlorobenzene	20.74	1.5	20.00		104%	70	130	20.4	2%	20	
Dichlorodifluoromethane	20.75	2.0	20.00		104%	17	141	19.45	6%	20	
1,1-Dichloroethane	21.24	1.0	20.00		106%	70	130	21.08	1%	20	
1,2-Dichloroethane	21.34	1.0	20.00		107%	70	130	21.14	1%	20	
1,1-Dichloroethene	23.29	0.50	20.00		116%	67	139	22.18	5%	20	
cis-1,2-Dichloroethene	22.12	0.50	20.00		111%	70	130	21.26	4%	20	
trans-1,2-Dichloroethene	21.49	0.50	20.00		107%	70	130	20.71	4%	20	
1,2-Dichloropropane	22.73	0.50	20.00		114%	70	130	22.39	2%	20	
1,3-Dichloropropane	21.34	1.0	20.00		107%	70	130	21.47	1%	20	
2,2-Dichloropropane	22.27	0.50	20.00		111%	62	139	21.62	3%	20	
1,1-Dichloropropene	22.01	1.0	20.00		110%	70	130	21.16	4%	20	
cis-1,3-Dichloropropene	21.93	1.0	20.00		110%	70	130	21.46	2%	20	
trans-1,3-Dichloropropene	22.39	0.50	20.00		112%	70	130	22.11	1%	20	
Ethylbenzene	21.41	2.0	20.00		107%	70	130	21.14	1%	20	
Hexachlorobutadiene	22.30	5.0	20.00		112%	53	141	20.73	7%	20	
2-Hexanone	16.14	5.0	20.00		81%	70	130	15.68	3%	20	
Iodomethane	30.15	2.0	20.00		151%	65	133	27.93	8%	20	N1
Isopropylbenzene	23.52	2.5	20.00		118%	70	130	22.88	3%	20	



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	22.34	1.5	20.00		112%	70	130	21.64	3%	20	
Methylene chloride	19.78	3.0	20.00		99%	70	130	19	4%	20	
4-Methyl-2-pentanone	17.81	5.0	20.00		89%	70	130	17.75	0%	20	
Methyl tert-butyl ether	21.91	2.0	20.00		110%	70	130	22.35	2%	23	
Naphthalene	21.96	5.0	20.00		110%	59	135	21.19	4%	31	
n-Propylbenzene	21.72	2.0	20.00		109%	70	130	21.21	2%	20	
Styrene	21.52	1.0	20.00		108%	70	130	20.75	4%	20	
1,1,1,2-Tetrachloroethane	21.31	0.50	20.00		107%	70	130	20.92	2%	20	
1,1,2,2-Tetrachloroethane	22.79	0.50	20.00		114%	70	130	23.41	3%	20	
Tetrachloroethene	21.00	0.50	20.00		105%	70	130	20.2	4%	20	
Toluene	23.05	3.0	20.00		115%	70	130	22.19	4%	20	
1,2,3-Trichlorobenzene	22.66	5.0	20.00		113%	58	140	21.54	5%	31	
1,2,4-Trichlorobenzene	20.02	5.0	20.00		100%	64	129	19.54	2%	21	
1,1,1-Trichloroethane	21.56	0.50	20.00		108%	70	130	20.9	3%	20	
1,1,2-Trichloroethane	21.83	0.50	20.00		109%	70	130	22.15	1%	20	
Trichloroethene	22.12	0.50	20.00		111%	70	130	21.21	4%	20	
Trichlorofluoromethane	21.50	2.0	20.00		108%	54	160	20.51	5%	20	
1,2,3-Trichloropropane	20.55	1.0	20.00		103%	70	130	20.99	2%	20	
1,2,4-Trimethylbenzene	20.34	2.0	20.00		102%	70	130	19.85	2%	20	
1,3,5-Trimethylbenzene	21.01	1.5	20.00		105%	70	130	20.61	2%	20	
Vinyl acetate	29.18	5.0	20.00		146%	57	160	30.45	4%	33	
Vinyl chloride	23.06	0.50	20.00		115%	61	142	22.39	3%	20	
Xylenes, Total	63.8	3.0	60.00		106%	70	130	61.82	3%	20	
4-Bromofluorobenzene	42.86	N/A	50.00		85%	70	130				
Dibromofluoromethane	45.53	N/A	50.00		91%	70	130				
1,2-Dichloroethane-d4	41.04	N/A	50.00		82%	68	128				
Toluene-d8	44.57	N/A	50.00		89%	70	130				



**TRANSWEST
GEOCHEM**

Date: 16-Feb-07

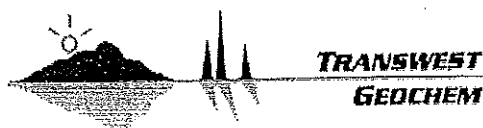
License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSD	Batch ID: R070201A		Test Code: SW8260B			Date Analyzed: 02/01/07 08:03					
			Units: µg/L			Date Prepared: N/A					
Acetone	16.95	10	20.00		85%	39	202	16.11	5%	41	
Benzene	21.14	0.50	20.00		106%	70	130	21.68	3%	20	
Bromobenzene	21.15	1.5	20.00		106%	70	130	21.6	2%	20	
Bromochloromethane	20.12	0.50	20.00		101%	70	130	20.34	1%	20	
Bromodichloromethane	21.41	0.50	20.00		107%	70	130	21.78	2%	20	
Bromoform	21.64	1.0	20.00		108%	70	130	22.03	2%	20	
Bromomethane	22.13	5.0	20.00		111%	52	136	21.32	4%	20	
2-Butanone	19.23	5.0	20.00		96%	70	159	19.66	2%	22	
n-Butylbenzene	23.10	2.5	20.00		116%	70	130	23.72	3%	20	
sec-Butylbenzene	23.40	1.5	20.00		117%	67	128	23.61	1%	20	
tert-Butylbenzene	22.87	2.5	20.00		114%	70	130	23.13	1%	20	
Carbon disulfide	27.93	0.50	20.00		140%	65	142	27.89	0%	20	
Carbon tetrachloride	22.00	0.50	20.00		110%	66	128	21.97	0%	20	
Chlorobenzene	20.91	0.50	20.00		105%	70	130	21.51	3%	20	
Dibromochloromethane	23.78	0.50	20.00		119%	70	130	24.21	2%	20	
Chloroethane	22.03	5.0	20.00		110%	67	134	21.17	4%	20	
Chloroform	20.65	0.50	20.00		103%	70	130	20.85	1%	20	
Chloromethane	23.99	5.0	20.00		120%	52	123	25.27	5%	20	
2-Chlorotoluene	22.26	1.5	20.00		111%	70	130	22.47	1%	20	
4-Chlorotoluene	22.00	2.0	20.00		110%	70	130	22.8	4%	20	
1,2-Dibromo-3-chloropropane	23.30	2.0	20.00		117%	70	130	23.1	1%	20	
1,2-Dibromoethane	21.79	0.50	20.00		109%	70	130	22.32	2%	20	
Dibromomethane	21.29	0.50	20.00		106%	70	130	21.34	0%	20	
1,2-Dichlorobenzene	22.60	1.5	20.00		113%	70	130	22.87	1%	20	
1,3-Dichlorobenzene	22.05	1.5	20.00		110%	70	130	22.5	2%	20	
1,4-Dichlorobenzene	22.21	1.5	20.00		111%	70	130	22.61	2%	20	
Dichlorodifluoromethane	24.64	2.0	20.00		123%	17	141	25.58	4%	20	
1,1-Dichloroethane	20.71	1.0	20.00		104%	70	130	20.86	1%	20	
1,2-Dichloroethane	22.13	1.0	20.00		111%	70	130	22.44	1%	20	
1,1-Dichloroethene	21.89	0.50	20.00		109%	67	139	21.75	1%	20	
cis-1,2-Dichloroethene	20.00	0.50	20.00		100%	70	130	20.22	1%	20	
trans-1,2-Dichloroethene	20.82	0.50	20.00		104%	70	130	20.98	1%	20	
1,2-Dichloropropane	21.04	0.50	20.00		105%	70	130	21.59	3%	20	
1,3-Dichloropropane	20.95	1.0	20.00		105%	70	130	21.54	3%	20	
2,2-Dichloropropane	23.21	0.50	20.00		116%	62	139	23.45	1%	20	
1,1-Dichloropropene	21.73	1.0	20.00		109%	70	130	22.13	2%	20	
cis-1,3-Dichloropropene	22.76	1.0	20.00		114%	70	130	23.36	3%	20	
trans-1,3-Dichloropropene	23.30	0.50	20.00		117%	70	130	23.89	3%	20	
Ethylbenzene	21.87	2.0	20.00		109%	70	130	22.4	2%	20	
Hexachlorobutadiene	28.38	5.0	20.00		142%	53	141	28.89	2%	20	N1
2-Hexanone	19.41	5.0	20.00		97%	70	130	19.91	3%	20	
Iodomethane	27.51	2.0	20.00		138%	65	133	27.5	0%	20	L1
Isopropylbenzene	24.48	2.5	20.00		122%	70	130	24.68	1%	20	



Date: 16-Feb-07

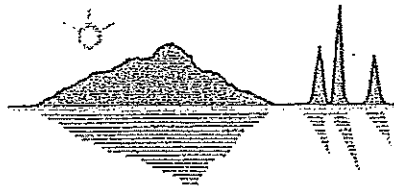
License No. AZM133/AZ0133

CLIENT: City of Tucson, Environmental Services
 Work Order: 0701606
 Project: TCC

QC SUMMARY REPORT

Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
4-Isopropyltoluene	22.42	1.5	20.00		112%	70	130	22.85	2%	20	
Methylene chloride	19.42	3.0	20.00		97%	70	130	19.49	0%	20	
4-Methyl-2-pentanone	19.57	5.0	20.00		98%	70	130	19.78	1%	20	
Methyl tert-butyl ether	22.28	2.0	20.00		111%	70	130	22.15	1%	23	
Naphthalene	24.61	5.0	20.00		123%	59	135	24.74	1%	31	
n-Propylbenzene	23.29	2.0	20.00		116%	70	130	23.7	2%	20	
Styrene	21.61	1.0	20.00		108%	70	130	22.17	3%	20	
1,1,1,2-Tetrachloroethane	23.11	0.50	20.00		116%	70	130	23.15	0%	20	
1,1,2,2-Tetrachloroethane	23.86	0.50	20.00		119%	70	130	24	1%	20	
Tetrachloroethene	20.60	0.50	20.00		103%	70	130	21.24	3%	20	
Toluene	21.14	3.0	20.00		106%	70	130	21.86	3%	20	
1,2,3-Trichlorobenzene	25.95	5.0	20.00		130%	58	140	26.64	3%	31	
1,2,4-Trichlorobenzene	24.60	5.0	20.00		123%	64	129	25.4	3%	21	
1,1,1-Trichloroethane	21.38	0.50	20.00		107%	70	130	21.65	1%	20	
1,1,2-Trichloroethane	21.91	0.50	20.00		110%	70	130	22.49	3%	20	
Trichloroethene	20.80	0.50	20.00		104%	70	130	21.06	1%	20	
Trichlorofluoromethane	22.26	2.0	20.00		111%	54	160	22.52	1%	20	
1,2,3-Trichloropropane	23.20	1.0	20.00		116%	70	130	23.39	1%	20	
1,2,4-Trimethylbenzene	23.49	2.0	20.00		117%	70	130	23.75	1%	20	
1,3,5-Trimethylbenzene	23.74	1.5	20.00		119%	70	130	23.94	1%	20	
Vinyl acetate	26.81	5.0	20.00		134%	57	160	26.85	0%	33	
Vinyl chloride	23.98	0.50	20.00		120%	61	142	26.27	9%	20	
Xylenes, Total	66.82	3.0	60.00		111%	70	130	67.89	2%	20	
4-Bromofluorobenzene	49.02	N/A	50.00		98%	70	130				
Dibromofluoromethane	47.69	N/A	50.00		95%	70	130				
1,2-Dichloroethane-d4	49.12	N/A	50.00		98%	68	128				
Toluene-d8	50.68	N/A	50.00		101%	70	130				



**TRANSWEST
GEOCHEM**

Sample Receipt Checklist

Client Name: COT - ES

Date and Time Received: 1/31/07 14:30

Work Order Number: 0701606

Received by: Keri Collins

Checklist completed by: Keri Collins 1/31/07
Signature / Date

Logged In by: _____
Initials / Date

Matrix:

Carrier Name:

Reviewed by: _____
Initials / Date

GW

Client

COMMENTS

- Shipping container/cooler in good condition? Yes No Not Present
- 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
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No N/A
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No Temp: 3.6°C
- Water - VOA vials have zero headspace? Yes No N/A
- Water - pH acceptable upon receipt? Yes No N/A
- Water - Sulfides present in Cyanide samples? Yes No N/A

Adjusted? _____ Checked by: _____

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action: _____



**TRANSWEST
GEOCHEM**

Storage Location: A-60
A-56 of

Sample Receipt Checklist

Client Name: Tucson

Date and Time Received: 2/16/07 9:45

Work Order Number: 0701606

Checked by: SK

Checklist completed by: [Signature] 4/1/07
Signature / Date

Logged In by: SK 2/1/07
Initials / Date

Matrix: BW Carrier Name: Client TGI Express It

Reviewed by: [Signature] 2/5/07
Initials / Date

				<u>COMMENTS</u>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temp: <u>30</u>	Sampled < 2hrs <input type="checkbox"/>
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	Checked by: <u>SK</u>
Water - Sulfides present in Cyanide samples?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Samples considered Drinking Water for metal analysis?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Corrective Action:

New List



Project Name:	Tucson Convention Center
Sample Points:	

Samples Collected By:	Environmental Services
Sampling Frequency:	Tucson Convention Center (Special January 2007)
Contact Person:	Alison Jones
Telephone:	791-5414

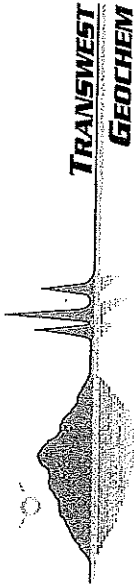
Reporting Frequency:	Investigation
Reports Due:	VOCs 10 days; full report 30 days
Send Report To:	Alison Jones

Parameter	Methods	Lab
Alkalinity	SM 2320 B	Transwest
Ammonia	SM 4500-NH3 E	Transwest
(Hardness)	SM 2340 B	Transwest
Aluminum	EPA 200.7	Transwest
Antimony	EPA 200.7	Transwest
Arsenic	EPA 200.9	Transwest
Barium	EPA 200.7	Transwest
Beryllium	EPA 200.7	Transwest
Cadmium	EPA 200.7	Transwest
Chlorine		Transwest
Chromium	EPA 200.7	Transwest
Copper	EPA 200.7	Transwest
Iron	EPA 200.7	Transwest
Lead	EPA 200.9	Transwest
Magnesium	EPA 200.7	Transwest
Mercury	EPA 245.1	Transwest
Nickel	EPA 200.7	Transwest
Potassium	EPA 200.7	Transwest
Selenium	EPA 200.9	Transwest
Silver	EPA 200.7	Transwest
Thallium	EPA 200.7	Transwest
Zinc	EPA 200.7	Transwest
Nitrate + Nitrite	EPA 353.2	Transwest
Nitrate	EPA 300.0	Transwest
Nitrite	EPA 300.0	Transwest
Total Kjeldahl (TKN)	EPA 351.2	Transwest
TOC	SM 5310 D	Transwest
TDS	SM 2540 C	Transwest
TSS	EPA 160.2	Transwest
Nitrogen Isotopes*	N/A	University of Arizona
Sodium	EPA 200.7	Transwest
Total Petroleum Hydrocarbons (TPH)	EPA 418.1	Transwest
VOC's	EPA 8260 (HCL)	Transwest

Matrix: Groundwater; Site: Wellhead; ADEQ Type: NONE

*Note: Nitrogen Isotopes will require the sample to be filtered by TWQL before they are taken to the U of A for analysis.

Anions: Nitrate, Nitrite, Sulfate, Fluoride, and Chloride



3725 E. Atlanta Ave.
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

3860 S. Palo Verde Rd., Ste. 301
Tucson, Arizona 85714
Phone: (520) 573-1061
Fax: (520) 573-1063

Chain of Custody

TGI Work Order No: 0701606

Date 1/31/07 Page 1 of 1

Project Manager: Alison Jones
 Client Name: City of Tucson
 Address: 100 N. Stone
 City/State/Zip: Tucson, AZ 85704
 Phone: 791-5414 Fax: 791-5417

Bill To: ← Same
 Company: ← Same
 Address:
 City/State/Zip:
 Phone: F Fax: F

PO No.:
 Project Name: TCC
 Project Number:
 Temperature: 3.6°C
 Received/Intact: (Yes) No N/A (No) N/A (Wet) Blue
 Custody Seals: Yes (No) N/A (Wet) Blue
 Total No. of Containers: 39
 Sample Identification: Matrix Date Sampled Time Sampled Lab ID
 Sampled < 2 hrs ago

ANALYSIS REQUEST B E D

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (8015AZR.1)	BTEX (8021B)	Volatile Organics GCMS (6248260B)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA (8310)	8 RCRA Metals	* Total Metals	Chlorine	Alkalinity	TDS	TSS	No ₂	No ₃ /TRN	TPH	TOC	Comments
CEP-520A	GW	1/31/07	0934	01	9			X							X	X	X	X	X	X	X	X	X	* See Attached
CEP-520A "DUP"	GW	1/31/07	0937	02	9			X							X	X	X	X	X	X	X	X	X	Please Rush 2260's Sediment, & Nitrates ASAP 3-5 days. KM
CEP-519A	GW	1/31/07	1128	03	9			X							X	X	X	X	X	X	X	X	X	
CEP-518A	GW	1/31/07	1304	04	9			X							X	X	X	X	X	X	X	X	X	
Equipment Blank	Wetland	1/31/07	0810	05	9			X							X	X	X	X	X	X	X	X	X	
Wet Trip Blank	Transwest	1/31/07	0810	06	9			X							X	X	X	X	X	X	X	X	X	
TOC Trip Blank	Transwest	1/31/07	0810	07	1			X							X	X	X	X	X	X	X	X	X	

Relinquished by: (Signature) [Signature] (Print Name) Kristie Mendez Received by: (Signature) [Signature] (Print Name) Herni Collins Date/Time 1/31/07 14:30

Relinquished by: (Signature) [Signature] (Print Name) Herni Collins Received by: (Signature) [Signature] (Print Name) Express IT Date/Time 1/31/07 15:00

Relinquished by: (Signature) [Signature] (Print Name) Express IT Received by: (Signature) [Signature] (Print Name) S. Goltz Date/Time 1/31/07 9:45 → 3:0

APPENDIX 9:

GROUNDWATER WELLS WITHIN 0.25-MILE

Wells Registered Within ¼ Mile of the Subject Site

Section 3 Township 14S Range 13E					
Q1 (160 acres)	Q2 (40 acres)	Q3 (10 acres)	ADWR Location	Well Registration Number (55-)	Well Use
NW	SE	NE	BDA	907042	MW (HQ-UST-524A)
NW	SE	NE	BDA	907068	MW (HQ-UST-525A)
NW	SE	NW	BDB	514260	Abandoned PZ well (not completed)
NW	SE	NW	BDB	906116	MW (CEP-519A)
NW	SE	NW	BDB	907043	MW (HQ-UST-523A)
NW	SE	NW	BDB	907928	MW (HQ-UST-532A)
NW	NE	NW	BAB	517520	MW
NW	NE	NE	BAA	No wells registered at this location	
NW	NW	SE	BBD	906117	MW (CEP-520A)
NW	NW	SE	BBD	907234	MW (CEP-527A)
NW	SW	NE	BCA	700349	Not Specified
NW	NE	SW	BAC	906115	MW (CEP-518A)
NW	NE	SW	BAC	907044	MW (HQ-UST-526A)
NW	NE	SW	BAC	907929	MW (HQ-UST-533A)
NW	NE	SE	BAD	No wells registered at this location	
NE	NW	NW	ABB	No wells registered at this location	
NE	NW	SW	ABC	No wells registered at this location	
NE	SW	SW	ACC	No wells registered at this location	
NW	SE	SE	BDD	No wells registered at this location	
NW	SE	SW	BDC	907927	MW (HQ-UST-531A)
NW	SW	SE	BCD	No wells registered at this location	
NW	SW	NW	BCB	No wells registered at this location	
NW	NW	NE	BBA	No wells registered at this location	
NW	NW	SW	BBC	907236	MW (CEP-528A)

Notes:

Wells in **bold** were installed during this site check

MW = Monitoring Well

PZ = Piezometer Well