

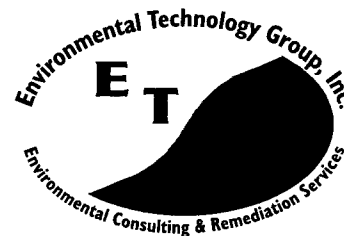
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MONITORING REPORTS

DATE:

2003

COMPREHENSIVE STATUS REPORT



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MARCH 31, 2003


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Wayne,

In efforts to conserve resources I have enclosed correction pages for the Comprehensive Status Report (CSR) sent to you on March 29th, 2003 instead of reproducing the report in its entirety. If this is not satisfactory, please contact me and we will send you a complete report.

Please note that these pages should be **added** to your current document (CSR) and not used as replacement pages. Due to changes in the Hicks report and subsequently to the ETGI report, the corrected page numbers may not match exactly with those in the copy you currently have. You may insert the corrected pages behind the current pages to ensure no content is lost. The CSR corrected pages are in red text for easy reference.

The corrected pages from the Hicks Chloride report (Appendix E) are **not** highlighted and may be used as replacement pages

If you have any questions about receiving the appropriate report information, please contact me.

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CORRECTION PAGES FOR TEXT OF CHAMPION-HOBBS FACILITY
COMPREHENSIVE STATUS REPORT

1.0 INTRODUCTION

Environmental Technology Group, Inc. (ETGI) was retained in July of 2002 by Champion Technologies (Champion) to respond to a Letter of Deficiency from the New Mexico Oil Conservation Division (NMOCD) dated June 03, 2002. A Stage 2 Abatement Plan Proposal (APP) dated February 05, 2002 had been previously submitted to the NMOCD by Enercon Services, Inc. (Enercon). This APP was conditionally approved by the NMOCD on June 12, 2002.

This Comprehensive Status Report (CSR) was designed to address the conditions, procedures, results and recommendations of the APP, Letter of Deficiency and any new abatement circumstances discovered during implementation.

1.1 SITE HISTORY AND USAGE

Site History and Usage has remained relatively unchanged subsequent to the submission of the Site Investigation Report (SIR) dated September 10, 2000. This Champion facility stores and distributes chemicals for the petroleum industry in Eastern New Mexico and West Texas. Additional information can be found in the September 10, 2000 SIR submitted to NMOCD by Enercon.

1.2 PROJECT OBJECTIVE

The objective of this project is to continue to investigate, evaluate and mitigate any soil and groundwater contaminants of concern pursuant to The New Mexico Water Quality Control Commission (NMWQCC) Regulations 20NMAC 6.2.4106.E. The focus of this CSR is to document abatement activities of the heavily contaminated soil and delineate groundwater impacted with chemicals of concern (COC). Additionally, risk-based assessment and transport modeling will be utilized for supporting proposed remediation methodologies to attain NMWQCC standards that are protective of human health, safety and the environment. This objective is being accomplished through the following activities:

1. Review of relevant site, vicinity and research documents.
2. Completion of a detailed door-to-door water-well survey within one-half mile of the Champion facility. This data was used for updating the original water-well report and map including domestic wells along Llano Grande Street to the north and west of the facility (Figure 13).
3. Developing and implementing a soil investigation program that included:
 - soil borings and sample collection for Area 2 beneath the existing bulk chemical containment area,
 - soil borings and sample collection for Area 3 around the "trenched area/SB-21 area",

2.6 REGIONAL HYDROLOGY

The primary regional aquifer is the Ogallala Aquifer. Where present, the Ogallala Aquifer is usually characterized by relatively high hydraulic conductivity and transmissivity. Sediments of the Ogallala Aquifer are commonly interfingered and intermixed silts, clays, sands and gravels derived from erosion of the southern end of the Rocky Mountains located approximately 100 miles west of the area. Regionally, the Ogallala Aquifer thins from north to south in Lea County and total dissolved solid content increases from north to south. Perched zones can exist with limited aerial extent above the primary aquifer, although no regional perches are recognized in the study area.

2.7 SITE HYDROLOGY

Groundwater is encountered at approximately 55 feet bgs across the site. Caliche layers are also located within the saturated zone beneath the site. The saturated thickness is approximately 80 feet based on drilling records for the on-site domestic water well installed by Eads Drilling Co. in 1993. Total Dissolved Solids (TDS) content varied from 882 mg/l in monitor well MW-15 to 1550 mg/l in monitor well MW-5. Groundwater flow has been generally west to east across the property for the duration of the gauging events conducted by ETGI.

Groundwater in the area has historically provided domestic water to residences, livestock and limited areas of irrigation. All three uses have been documented on the adjoining properties.

3.0 SOIL INVESTIGATION

3.1 AREA 1

Area 1 has previously been reported as being located on the west side and surrounded by Area 2. For the purposes of this report Area 1 has been incorporated into the Area 2 soil investigation. There will be no further separate discussion of Area 1.

3.2 AREA 2

Area 2 is located directly west of the existing warehouse on the north-central part of the property (Figure 2). The purpose of sample collection was to delineate the horizontal and vertical extent of a suspected former pit. Soil samples in Area 2 were collected using an air-rotary drilling rig and decontaminated split-spoon sampler. Soil sample locations in Area 2 consisted of soil borings SB-41, SB-42, SB-47 through SB-51, SB-53 and SB-57 through SB-64 (Figure 3). Typically, samples were collected at 5-foot intervals to total depth. Hard, compacted or indurated carbonate rock (caliche) at some depths prevented collection of split-spoon samples. Descriptions of all boring are enclosed in Appendix A, titled Soil Boring Logs. Photographic documentation presented is enclosed in Appendix G.

using a Photo Ionization Detector (PID) and the results recorded. A minimum of three soil depths were collected in sample containers, placed on ice and submitted to the laboratory for analysis. When a contaminated zone was encountered, an additional sample was collected at the base of the contaminated zone and also submitted for laboratory analysis.

Cuttings generated from the borings were placed with the stockpiled soil excavated from Area 2 awaiting sampling, classification and disposal/treatment. The boring, once completed, was grouted to surface using Portland cement, bentonite powder and water. The mixture was tremied from the bottom of the boring to ground surface.

The drilling rig, drill stem and drill bit along with all split spoons were decontaminated prior to proceeding to complete the next boring.

A qualified geologist, hydrogeologist, or soil sample technician recorded soil type descriptions. These descriptions included the following information and were recorded in the field logbook:

- Color,
- Structure,
- Texture,
- Moisture,
- any other characteristic that may affect the environmental fate of any releases.

Field screening observations for possible contamination included visual descriptions of each sample. All descriptions were recorded in the bound field logbook.

Samples selected for laboratory analysis were placed into a cooler with plastic bubble wrap matting over the base and bottom corners of each cooler or shipping container. Each sample bottle was individually wrapped with bubble wrap and placed upright on the base of the appropriate cooler. Ice or cold packs in two heavy-duty zip-lock type plastic bags were placed over the top of the samples to ensure proper temperature needed for sample preservation. Chain-of-custody documentation was completed with all appropriate information for each cooler or shipping container and accompanied each shipping container during transport to the analytical laboratory.

3.8 BACKGROUND SOIL CONCENTRATIONS

Background soil samples were collected by ETGI from borings SB-55 and SB-56. Additional background soil data was collected from soil samples collected while completing monitor wells MW-9 and MW-15. Chromium concentrations in these samples ranged from 2.1 mg/kg to 5.73 mg/kg. Chloride concentrations ranged from 13.9 mg/kg to 390 mg/kg (Table 10, Figure 4). Analytical results for soil and groundwater samples collected and analyzed for general chemistry parameters are presented in Table 2.

range from 1.0 mg/kg to 40 mg/kg. The U.S. Geological Survey (USGS) reports a range of 0.1 mg/kg to 97 mg/kg and a mean value of 7.2 mg/kg for background arsenic concentrations in soil (USGS 1984).

4.0 GROUNDWATER INVESTIGATION

4.1 RATIONALE FOR MONITOR WELL PLACEMENT

Monitor wells installed on the Champion property were placed to determine the potential impact to groundwater. Enercon installed monitor wells MW-1 through MW-7 while monitor wells MW-8 through MW-16 were installed by ETGI (Figure 2). Monitor wells MW-1, MW-7, MW-9 and MW-15 were installed upgradient to determine background concentrations of COCs in groundwater and represent groundwater moving onto the Champion property. Monitor well MW-10 was installed downgradient to determine if COCs have migrated off-site.

Monitor wells MW-2, MW-6, MW-8 and MW-11 were placed to determine the extent, if any, of groundwater impact from Area 2. Monitor wells MW-12 and MW-16 were placed to further define the extent of COC detected in monitor well MW-6.

Monitor wells MW-4 and MW-5 were installed by Enercon as documented in the Site Investigation Report (SIR). Monitor wells MW-10 and MW-14 were installed to further define the extent of COC detected in monitor wells MW-4 and MW-5.

Monitor well MW-13 was installed after completing a trenching investigation south of the office building. The trenching investigation was completed to determine if evidence could be found for the existence of a potential secondary chromium source south of the office building. Investigation of this part of the yard did not yield any potential source areas. Subsequently, monitor well MW-13 was installed to determine if the COC in monitor wells MW-4 and MW-5 were potentially migrating from an area located west of the trenched areas. Monitor well logs and well completion diagrams are enclosed in Appendix B.

4.2 MONITOR WELL DRILLING, INSTALLATION AND DEVELOPMENT

Soil borings were advanced using an air-rotary drilling rig. Upon completion of the bore hole to the designated depth, new schedule 40 PVC screen and riser were assembled and lowered centrally into the bore hole. The annular space around the screened section of the monitor wells was filled with graded clean sand to three feet above the well screen. A two-foot seal, using Bentonite pellets and water, was placed over the sand pack. The remaining length of the bore hole was backfilled with grout to within two feet of the surface. Protective steel casing was placed around the riser and a concrete pad was poured to secure the monitor well in place. The protective steel casings were secured with a lockable protective cover for above-ground completions or lockable monitor well caps for ground-flush well completions.

- Total metal concentrations in accordance with EPA Methods SW846 6010B, 6020, (mercury 7471A)
- Semi-Volatile Organic Compounds in accordance with EPA Methods SW846 8270C
- Volatile Organic Compounds in accordance with EPA Methods SW846 8260B
- General Chemistry in accordance with EPA Methods SW846 E300.0, E310.1, E160.1 and S6010B

Sampling containers for all water samples were provided by the analytical laboratory. Sample containers, preservatives, sample volume, and holding times are referenced in Table 8, Sampling Parameters and Sampling Requirements. Analytical reports for all samples collected are presented in chronological order in Appendix C.

4.5 AREAS INVESTIGATED – GROUNDWATER

The hydrology at the site was determined by collecting water level readings from the monitor wells (Table 9). This data is illustrated in Figures 8, 9 and 10 for each quarter the wells were sampled. The hydraulic gradient ranged from 0.002 to 0.003 ft/ft and groundwater flow is from the west to the east.

Three quarterly sampling events are included in this report: August 2, 2002; October 21, 2002 and February 19, 2003. The analytical data for metal concentrations is reported in Table 1. Trace concentrations of volatile organic compounds and semi-volatile organic compounds detected in groundwater are listed in Tables 3 and 4, respectively. Maximum concentrations of COC detected in groundwater are specified in Table 11. Concentrations of chlorides and other general chemistry parameters are listed in Tables 2 and 5. TPH concentrations detected in groundwater are referenced in Table 7 and Aliphatic and Aromatic hydrocarbons are listed in Table 6. Laboratory Analytical Reports are provided in Appendix C in chronological order.

4.5.1 Downgradient of Area 2

Groundwater downgradient of Area 2 was investigated by the installation and sampling of monitor well MW-8 and the sampling of existing monitor well MW-6. Analysis of groundwater samples for the COC reported chloride concentrations above the NMWQCC standard of 250 mg/L in monitor wells MW-6 and MW-8. Monitor well MW-6 also exceeded NMWQCC standards for barium, chromium, manganese, iron and fluoride in August of 2002 (Figure 5). Monitor well MW-8 exceeded NMWQCC for iron and fluoride. Iron and fluoride were also above NMWQCC standards in background monitor wells MW-1, MW-7 and MW-9. Based upon these analytical results, additional monitor wells MW-11, MW-12 and MW-16 were installed to further define the extent of COC in groundwater associated with MW-6 and Area 2. These monitor wells were sampled in October 2002 and contained chloride concentrations above 250 mg/L (Figure 6). Monitor well MW-11 located directly north of monitor well MW-6 and adjacent to the east wall of the excavation contained iron, fluoride, and aluminum above NMWQCC standards. Monitor well MW-12 downgradient or east of monitor well MW-6, contained

5.1.2 Area 3

Soil samples collected by ETGI from Area 3 investigation were obtained from soil borings and excavation confirmation sampling points. Chemicals of potential concern for Area 3 are the same as for Area 2 (chromium, arsenic, lead, TPH, BTEX and chloride).

The maximum chromium concentration remaining in soil was found in confirmation soil sample S.S. 1 Wall 5 feet from the southeast wall of the "Trenched Area" excavation at 12.9 mg/kg (Figure 15). As with Area 2, we propose evaluating concentrations of chromium in this area based on the background of 50 mg/kg. Recognizing this concentration as background and thus no threat to groundwater, additional mitigation of chromium in Area 3 is not warranted.

Maximum arsenic concentrations remaining in soil after excavating was found in confirmation sidewall sample S.S. 3 Wall 3 feet at 4.34 mg/kg. Maximum lead concentration remaining in soil after excavation was found in confirmation bottom-hole sample S.S. 14 Btm 10 feet at 3.74 mg/kg.

Maximum concentration of TPH remaining in soil after excavation was found in confirmation bottom-hole sample S.S. 12 Btm 10 feet at 496 mg/kg by method 418.1. Analysis for BTEX constituents did not yield any detections in this excavation. The material and mechanism that would allow for further migration of remaining hydrocarbons has been removed. The remaining TPH concentrations will naturally attenuate in place.

The maximum chloride concentrations remaining in soil after excavating of Area 3 was soil sample D-34 @ 5 feet bgs at 11,900 mg/kg. The surface will be graded in such a way as to minimize infiltration of meteoric water.

Historical concentration of COCs remaining in the soil are found in reports previously submitted by Enercon.

5.2 GROUNDWATER INVESTIGATION

5.2.1 Downgradient of Area 2

The COCs in groundwater for Area 2 are identified as chloride, chromium, and DCA, with the highest concentrations detected in monitor well MW-6 at 469 mg/L, 0.254 mg/L, 2.35 mg/L and 0.0453 mg/L, respectively in the October 2002 sampling event (Figure 6). Monitor well MW-6 is downgradient of monitor well MW-12. Monitor well MW-12 contained chromium and chloride above NMWQCC standards at 0.054 mg/L and 357 mg/L respectively in the October 2002 sampling event. **Maximum concentrations of potential COC detected in groundwater are presented in Table 15.**

All samples analyzed for metals (chromium) prior to 2/19/03 were unfiltered samples. These concentrations cannot be used to compare with NMWQCC standard that requires

5.2.6 Background Data

The concentrations above NMWQCC standards in background monitor wells MW-1, MW-7, MW-9 and MW-15 are: fluoride and iron with monitor well MW-1 containing fluoride at 3.7 mg/L and iron at 18 mg/L; monitor well MW-7 containing fluoride at 1.94 mg/L and iron at 2.0 mg/L; monitor well MW-9 containing fluoride at 2.0 mg/L and iron at 14.7mg/L; and monitor well MW-15 containing fluoride at 2.61 mg/L and iron at 7.13 mg/L; barium in monitor well MW-1 at 1.75 mg/L; chloride in monitor well MW-1 at 408 mg/L and monitor well MW-9 at 346 mg/L; aluminum in monitor well MW-15 at 6.11 mg/L and chromium once in monitor well MW-9 at 0.086 mg/L.

This data clearly illustrates fluoride and iron concentrations throughout the site are attributable to off-site sources or are in concentrations normal to this area/region. Monitor well MW-15 is the only background well that was analyzed for aluminum. Concentrations above the NMWQCC standards of 6.11 mg/L indicate on-site aluminum concentrations ranging from 8.87 mg/L to 14 mg/L and the off-site downgradient well (monitor well MW-10) at 6.42 mg/L are similar to background concentrations normal to the area. Chloride concentrations range from 239 mg/L to 408 mg/L (with the average being 331 mg/L) based on the August 2002 analytical data (Figure 5); 156 mg/L to 356 mg/L (with the average being 263 mg/L) based on the October 2002 analytical data (Figure 6); and 221 mg/L to 510 mg/L (with the average being 374.5 mg/L) based on the February 2003 analytical data (Figure 6). This data illustrates chloride concentrations in groundwater in the on-site wells are similar to background concentrations. Section 9 on Migration of Chloride was completed to illustrate the potential for chloride being added to groundwater from on-site soil. Total unfiltered chromium concentrations in a background monitor well (MW-9) were only detected once above NMWQCC standards at 0.086mg/L during the October 2002 sampling event.

6.0 DISPOSITION OF EXCAVATED MATERIAL

Approximately 1,420 cy of impacted material excavated from Area 3 "Trenched Area" was transported to J & L Landfarm in Hobbs, New Mexico for treatment. Excavated material associated with Area 3 SB-21 area remains stockpiled on-site. Two samples collected from this stockpile show concentrations of chloride ranging from 709 mg/kg to 798 mg/kg, chromium from 5.48 mg/kg to 5.58 mg/kg and TPH from 242 mg/kg to 272 mg/kg using EPA Method 418.1 and 59.8 mg/kg to 71.3 mg/kg using EPA Method 8015M. These concentrations do not present a risk of migration to groundwater and should be used to backfill the two Area 3 excavations.

Approximately 9,640 cy of impacted materials excavated from Area 2 were removed and transported to Sundance Services, Inc. in Eunice, New Mexico for disposal. Sundance Services, Inc. is an NMOCD approved facility for receiving contaminated material. Analyses were completed on excavated materials requiring disposal or treatment. Based on analytical results all material was determined to be non-hazardous waste (Table 12). An estimated 8,500 cy of impacted materials will be transported and disposed of at

Sundance Services, Inc. The concrete removed from the dismantling of half of the bulk chemical containment area generated an estimated 3,120 cy of concrete debris that will require disposal. An additional 1,560 cy of concrete requiring disposal came from the dismantling of the concrete pad west of the warehouse, for a total of 4,680 cy of concrete debris. Manifests/bills of lading for transport and disposal of excavated materials are referenced in Appendix D.

7.0 POTENTIAL IMPACT OF CHLORIDE IN SOIL TO GROUNDWATER

7.1 Historical and Current Land Use

Groundwater in the Hobbs Area has historically been impacted by operations related to oil and gas development and production. The standard historical method of placing brine into unlined pits for evaporation has resulted in brine seepage into the shallow unconfined aquifer. Some mixing will take place at the water table, but the greater density of brine will tend to move towards the lower part of the aquifer. The use of unlined pits continued in parts of New Mexico until the 1980s. Other causes of groundwater contamination via oil and gas operations include production and injection wells, pipelines, waste discharge from gas dehydrators, gas processing and oil refineries (McQuillan and Parker).

Other sources of groundwater contaminants include household septic tanks, controlled sewage and cesspool plants, agricultural activity, use and management of refined petroleum products, mining industry, packing plants, dairies and landfills.

Review of aerial photographs of the site and surrounding property clearly indicate the large volume of oil and gas activity that has been and is presently being conducted in the area. Numerous production and storage facilities, salt-water disposal wells, oil and gas wells dot the one-mile radius around the site. Most of these wells historically have had pits associated with them. Several oil and gas storage facilities as well as oil and gas wells are located up gradient or west of the site. These factors and the changing groundwater chloride concentrations in the onsite and offsite monitor wells strongly suggest potential historic and current migration of impacted groundwater (chloride) in the vicinity of this site.

7.2 Simulation of Chlorides Migration

Residual chloride concentrations in the top five feet of soil range from 103 mg/kg to 11,900 mg/kg based on samples collected by ETGI and 170 mg/kg to 12,428 mg/kg based on Enercon data.

Residual chloride concentrations below the excavated pit in Area 2 range from 89.5 mg/kg to 7620 mg/kg based on samples collected by ETGI and 57.4 mg/kg to 11,009 mg/kg based on Enercon data. To determine the potential of these residual concentrations in the soil to migrate to groundwater, R.T. Hicks Consultants, Ltd. were

retained to simulate the transport of chloride using the numerical model Hydrus - 1D (Appendix E). Four scenarios were simulated following a calibration using site-specific data. Scenario 1 the "No Action" scenario included simulating transport in the unsaturated zone utilizing input data in the Hydrus-1D from Area 3.

Scenario 2 simulated Area 2 with the removal of the chloride load from surface to approximately 18 feet bgs and backfilling the excavation with clean material. There was no adjustment to precipitation for this scenario.

Scenario 3 addressed the residual chloride concentrations in soil from ground surface to five feet bgs. In this scenario, precipitation is reduced by 70% to illustrate a lack of infiltration. The planned remedial approach for this scenario is to utilize engineering controls on the surface to accomplish this. This will remove the transport mechanism for mobilization of chloride.

Scenario 4 addressed Area 2 where the removal of chloride from the surface down to 18 feet bgs reduced the calculated chloride load. Additionally, precipitation was reduced by 70% in this scenario. The planned remedial approach for this area required backfilling Area 2 excavation with clean backfill material and placing a one (1) foot thick layer of compacted clay at or near the surface to prevent infiltration of precipitation. This method has proven to adequately remove the transport mechanism for mobilization of chloride.

The concentrations of chloride applied in these four scenarios were the highest concentrations detected at the site representing a worst-case simulation. Simulation of the rate of migration of chloride to groundwater was based on site data as well as regional data and/or professional experience. The hydraulic saturated conductivity of 0.7 cm/day, as determined by laboratory analysis, was used in the model.

This saturated hydraulic conductivity decreases dramatically with decreasing soil water content. The capillaries that constitute the pore space are subject to Poiseuille's Law where the flux of water (g) (in a capillary) is directly proportional to the radius squared (r^2). In addition this chloride flux rate exists only during and directly after heavy precipitation. This transient flow undergoes three phases: 1. Infiltration. 2. Redistribution. 3. Static. The upper zone controls the infiltration rate. The application rate (rainfall) can be decreased by a graded and compacted surface to facilitate runoff or by the natural saturated hydraulic conductivity of the shallow soil. The infiltration rate will finally reach the asymptotic value of saturated hydraulic conductivity, resulting in ponding or runoff. During the redistribution phase, the soil water flux decreases with time to zero. Any impermeable soil layer has a strong impact on the duration of the redistribution phase. During the static phase, the soil water flux rate is near zero and is affected by losses of water due to evaporation (or plant intake). Subsequently, lower depths within the unsaturated zones are beyond the influence of the transient conditions at the surface and soil water flow will occur under unsaturated conditions.

Based on this very conservative model using maximum chloride concentrations and

available saturated hydraulic conductivity, Scenario 1, the "No Action" simulation indicates that the potential exists for chloride concentrations to migrate to groundwater. Scenario 2 indicates simulation results similar to Scenario 1. This scenario exhibits a similar concentration increase over approximately the same duration but with a greater rate of decline toward background after maximum value is achieved.

Scenario 3 indicates a maximum possible increase of groundwater chloride concentrations to approximately 100 mg/L can potentially occur after approximately 10 years.

Scenario 4 illustrated a reduction of infiltration of precipitation by 70% and removal of the top 18 feet of chloride load, resulting in a potential increase of chloride concentrations by approximately 100 mg/kg after approximately 200 years. Essentially, the chloride is immobilized in the vadose zone by the removal of a transport media (water flux).

Field data representing residual soil concentrations outside any of the excavated areas show only one sample with chloride concentrations above 10,000 mg/kg (Sample 3 - 0001 - A, collected 9/16/00 by Enercon) and an additional sample showed 8632 mg/kg (18 - 0305 - A, collected 9/16/00). All other samples were below 5166 mg/kg for chloride. These model simulations would be more accurate if the chloride load was calculated using data representative of the average site conditions versus the worst-case situation.

The releases of chloride onto and into the soil surface are believed to have occurred during historical operations. Based on present conditions, the entire yard has been covered with a compacted caliche layer and has been graded to prevent ponding. Champion has applied compacted caliche layers several times during their operational period. Based on the yard's current construction, a reduction of infiltration (by precipitation) has already been implemented. Compaction of either sandy (caliche) soils or clayey soils generally result in a decrease of permeability by approximately 70 percent.

7.3 Compaction of Soil

Lot what

Compaction of soil results in increased sheer strength of soil reduced compressibility and reduced permeability. This occurs as the volume of voids in soil is removed resulting in an increase in the dry density of the soil. Compaction with water initially results in higher soil weights but after the optimal water content point is reached, additional water will hinder compaction.

The degree of compaction achieved generally rises with increased efforts at compaction. However, there are only minor gains (increases) in dry density for additional compactions after the initial compaction effort.

Soil infiltration rates measured in the laboratory indicate compacted sand decreases infiltration rates to an average 1.5 inches/hour from 13.5 inches/hour in sand that is not

compacted, for a 120-minute storm duration. (Pitt, Chen and Clark) Subsequently, the layers of compacted sandy caliche at the site should more than meet the requirements of decreasing infiltration by 70%.

For compacted clayey soil, the average rate decreased to 0.2 inches/hour from 9.3 inches/hour in dry non-compacted clay. This illustrates that a one foot compacted clay layer over the backfilled excavation of Area 2, will effectively reduce the rate of infiltration, greater than 70%.

8.0 RISK ASSESSMENT

A risk assessment was conducted to determine if the residual concentrations of COC left in the soil below 18 feet in Area 2 have a potential to present risk to any on-site or off-site receptors.

Exposure pathways through groundwater, soil, and air are identified to evaluate risks for both potential and actual receptors. Potential on-site receptors of concern include:

- Construction workers via inhalation;
- Site visitors via inhalation;
- Groundwater via ingestion;

Potential off-site receptors of concern include:

- Residents via inhalation or ingestion;
- Water wells via groundwater;

All COC were screened utilizing the Tier 1 Tables provided by NMED and Tier 1 Risk Based Screening Levels (RBSL) calculated in the RBCA Tool Kit for Chemical Releases modeling program. For contaminants that exceeded the Tier 1 evaluation, a Tier 2 risk-based assessment for each COC was evaluated to develop Site-Specific Target Limits (SSTL). The complete Risk Assessment Report is provided in Appendix F.

The COCs evaluated for Tier 2 risk assessment are chromium, chromium VI, magnesium, benzene, and TPH. For each exposure pathway, the SSTL were calculated using the maximum concentration of each COC.

For groundwater ingestion, the only COC that poses a human health risk of onsite ingestion of groundwater or potential offsite migration is chromium VI. The onsite SSTL calculated for chromium VI is 0.039 mg/L and offsite SSTL is 0.11 mg/L. Monitor wells MW-4, MW-6 and MW-13 have exhibited concentrations above the SSTL.

The risk assessment also indicates that there is a potential of residual benzene in the subsurface soils leaching to groundwater. The calculated on and offsite SSTL for benzene are 0.36 mg/kg and 0.98 mg/kg, respectively. Soil borings 9, 10, 14, 15, and SB-

41 have concentrations above the onsite SSTL. Soil borings, 9, 10, 13, and SB-41 have concentrations above the offsite SSTL. To date, no benzene contaminants have been detected in the groundwater. To assist in preventing further leaching of benzene, the chloride simulation illustrates the remedial option of limiting infiltration of precipitation will also eliminate the medium of transport. Residual benzene concentrations will degrade by natural attenuation and therefore will not present a risk to groundwater.

A potential for onsite inhalation of benzene volatiles in the soil is possible in the area around soil boring 13. The onsite SSTL for benzene volatilizing to air is 3 mg/kg. Soil boring 13 at 18-20 feet has a benzene concentration of 3.51 mg/kg.

All other contaminants evaluated for either Tier 1 screening levels or Tier 2 SSTL were below the risk levels established or calculated for this site. A complete review of all contaminants and their RBSL and/or SSTL is provided in the Risk Assessment Report in Appendix F.

9.0 CONCLUSIONS

Environmental Technology Group, Inc. (ETGI) has completed extensive soil investigations and remediation and groundwater investigations to address the contaminants detected in the soil and groundwater at the Champion facility in Hobbs, New Mexico. Based on the field work completed, analytical data collected, modeling of chloride migration, and the risk assessment report for COC, the following conclusions are made:

9.1 SOIL REMEDIATION AND ASSESSMENT

- Excavation activities at the site in Area 2 have resulted in the removal of known impacted soil to the extent practicable. COC that have penetrated the massive caliche through cracks and fractures remain in the subsurface zone between 18 feet bgs to 50 feet bgs. Hydrocarbon concentrations in this zone range from <10 mg/kg to 30,000 mg/kg, chromium concentrations range from 2.6 mg/kg to 13.4 mg/kg, and chloride concentrations range from 38.7 mg/kg to 11,009 mg/kg. Concentrations of bottom hole and sidewall samples are below the concentration that would present a risk of leaching to groundwater. Subsequently, Area 2 excavation should be backfilled.
- Excavation activities associated with Area 3 have resulted in the removal of all hydrocarbon-impacted soil above 496 mg/kg, as illustrated in the 30+ confirmation samples collected and analyzed to date. Chloride concentration in residual soils associated with Area 3 range from 88.6 mg/kg to 11,900 mg/kg.
- Scenario 4 represents modeling of chloride migration for Area 2. Scenario 4 represents the excavation down to 18 feet bgs, backfilling with clean material and placement of a one-foot thick compacted clay cap near the surface (70% precipitation reduction). The clay cap limits the infiltration of precipitation thereby limiting migration to groundwater. The chloride migration simulations

illustrated in Scenario 4 indicate that residual chloride concentrations have a potential to increase groundwater chloride concentrations by a maximum of 100 mg/L. The unsaturated flow conditions that exist 10 feet bgs to the capillary zone above groundwater (55 feet) have a significantly lower unsaturated conductivity than the saturated conductivity of 0.7 cm/day ($8.5\text{E-}6$ cm/s), concluding that the concentration of chloride in the soil in Area 2 & 3 will not migrate to groundwater. The addition of a compacted caliche layer and the addition of a compacted clay layer further reduces infiltration of precipitation to eliminate the chloride transport medium.

- The Hydrus -1D modeling illustrates the chloride concentrations in the shallow subsurface soils (0-5 ft bgs) will not cause an increase in chloride concentrations greater than approximately 100 mg/l (Area 3, Scenario 3) to groundwater, when a 70% reduction of infiltration is accomplished. The existing compacted clayey caliche base material of the Champion yard likely meets these infiltration requirements (Pitt, Shen, and Clark).
- Modeling migration through the subsurface using chloride concentrations is affective to demonstrate that other COC at the site have a lower probability of migration. Chloride does not adhere to clay or organic material nor mineralize to oxides like metal ions and it does not biologically degrade like hydrocarbons. Eliminating the chloride transport mechanism by minimizing precipitation infiltration also eliminates the potential for metals and hydrocarbons to migrate to groundwater.
- The soil samples collected from under the remaining concrete pad on 2/18/03 contained concentrations of chromium at 10.2 to 10.9 mg/kg, lead at 22.6 to 23.3 mg/kg and arsenic at 17.7 to 18.9 mg/kg. The concentrations for lead and arsenic were the highest detected during the investigation. However, migration of chemicals of concern is diminished by the existing concrete pad. The concrete pad functions as a cap over the impacted area and eliminates the possibility of percolating meteoric waters, which would cause these contaminants to migrate.
- The septic system leachfield line was removed and soil samples collected from two locations along and under the former leach line. Soil samples were also collected from boring SB-52 south of the leachfield. These samples did not contain elevated concentrations of chlorides, chromium or TPH. New leachfield lines were installed north of the former leachfield lines and are currently in use.
- 1,420 cy of impacted materials excavated from Area 3 were removed and transported to J & L Landfarm in Hobbs New Mexico for treatment and disposal. All excavated materials were classified and profiled as non-hazardous based on analytical data.
- 9640 cy of impacted materials excavated from Area 2 were transported to Sundance Services, Inc. in Eunice, New Mexico for disposal.
- The one foot compacted clay layer over the backfilled excavated Area 2 will decrease the possibility of residual contaminant migration by eliminating the entry of precipitation to the *insitu* contaminants.
- Total chromium concentrations in the soil at the site range from 1.59 mg/kg to 28.4 mg/kg. Background chromium concentrations reviewed in RODS database

samples ranged from 156 mg/L to 658 mg/L. Background chloride concentrations range from 156 mg/L to 510 mg/L with an average overall background concentration of 312 mg/L.

10.0 RECOMMENDATIONS:

ETGI, on behalf of Champion, has completed extensive soil and groundwater investigations and soil remediation. Based on the field work completed, analytical data collected and modeling of chloride migration, the risk assessment report for chromium and hydrocarbons and the conclusion presented above, the following recommendations are made:

- 1 • To demonstrate the accuracy of conclusions presented in the risk assessment and chloride modeling, ETGI will collect quarterly groundwater samples from monitor wells MW-2, MW-6, MW-8, MW-11, MW-12 and MW-16 to determine if concentrations of potential COC (chromium, barium, lead, arsenic, manganese, VOC, BTEX and TPH) detected in the soil are leaching to groundwater or are increasing in concentrations, and have the potential to migrate off-site from Area 2. ETGI will collect data to determine if subsurface conditions are conducive to a reducing environment to facilitate the change of soluble chromium to an insoluble chromium compound. An additional monitor well will be installed directly east of monitor well MW-12 just inside the fence to demonstrate chromium concentrations above NMWQCC limits are not migrating off the property in groundwater. If concentrations of chromium in groundwater exceed NMWQCC limits at monitor well MW-12, an *insitu* groundwater treatment system that creates a reducing environment will be installed. The reducing environment can be created via injection of a product to enhance microbial and chemical reduction of soluble chromium to an insoluble chromium compound. This injection zone should be directly east of monitor well MW-12. A pilot test should be completed to determine the spacing of the injection wells. Champion can choose to establish a treatment zone between monitor wells MW-6 and MW-12 prior to detection of chromium above NMWQCC standards in monitor well MW-12.
- 2 • Concentrations of total dissolved chromium in groundwater exceed NMWQCC standards in monitor wells MW-4 and MW-13 based on the samples collected in the February 2003 sampling event. Based on these concentrations, a groundwater treatment zone should be created in the southeast corner of the property. This chromium treatment zone will require the completion of a pilot test to determine the spacing of the injection wells. Upon completion of the pilot test, the chromium treatment zone should be created (Figure 12). This treatment zone will function initially to chemically reduce soluble chromium to an insoluble chromium compound. The treatment zone will also function as a barrier because it will treat dissolved chromium in the groundwater as it passes through this zone. Monitor wells MW-4, MW-5, MW-10, MW-13 and MW-14 should be sampled quarterly to monitor the progress of the chromium treatment zone.

- 3 • If dissolved concentrations are detected at 0.04 mg/L or above in adjoining property residential wells or on-site active water wells, the immediate corrective action and public protection plan will be implemented and a new domestic water supply will be installed to provide potable water.
- 4 • To determine if a source of chromium exists in the soil upgradient of monitor well MW-13, borings should be completed and converted into temporary piezometers (Figure 11). Soil and groundwater samples should be collected and analyzed for chromium.
- 5 • A slug test should be completed to determine the site-specific hydraulic conductivity, so the rate of groundwater movement can be more accurately determined. Groundwater modeling should be completed to determine the rate of migration of chromium in groundwater.
- 6 • Address Area 2 by placing a one-foot thick compacted clay liner at or near the surface of the excavation after backfilling and grading the surface to minimize infiltration of precipitation.
- 7 • Address Area 3 by backfilling the excavation, compacting and grading to prevent ponding of precipitation.
- 8 • Repair Bulk Tank and Drum Storage Area and provide with a permanent secondary containment retaining wall. **Place a compacted caliche layer over the excavation to minimize the infiltration of precipitation.**
- 9 • Establish a procedure to collect all fluids that are placed into the sink in the laboratory to prevent them entering the new leachfield. The fluids collected should be characterized and disposed of properly to meet the discharge plan for the site.

11.0 REFERENCES

- Compacted Urban Soils Effects on Infiltration and Bioretention Stormwater Control Designs, Robert Pitt, P. E., Shen-En Chen, P. E. and Shirley Clark, P. E. Department of Civil and Environmental Engineering, The University of Alabama, September 2002
- Groundwater Contamination & Remediation in New Mexico 1927–2000, Dennis McQuillan and Jennifer Parker, New Mexico Environmental Department, Groundwater Quality Bureau, July 2000
- Groundwater Models: Scientific and Regulatory Applications (1990)
Water Science and Technology Board Committee on Groundwater Modeling, Assessment Commission on Physical Sciences, Mathematics and Resources. National Research Council National Academy Press, Washington D.C. 1990.
- Groundwater Lea County, New Mexico Bureau of Mine & Mineral Resources
- Letter of deficiency, NMOCD June 3, 2002

**CORRECTION PAGES FOR APPENDIX A (Simulation Of Chloride Transport At The
Champion Facility In Hobbs, New Mexico) OF CHAMPION-HOBBS FACILITY
COMPREHENSIVE STATUS REPORT**

parameters had little effect on the prediction of chloride concentration in ground water while other factors had a profound effect. The Sensitivity Analysis presented in Appendix A describes the relative importance of each of the input parameters. Site specific data exist for the most important input factors (e.g. chloride load, depth to ground water). For some input parameters we employed regional data or values based upon professional judgement (see Table 1).

We also used data from the Champion site to verify the predictions of the HYDRUS1D model. This simulation served as a "calibration" effort to support our selection of model input parameters.

3. Data Employed for the Champion Site

We present three scenarios to describe possible chloride migration at the site. Plate 1 shows a typical soil profile at the site (ETGI personal communication, 2003). We input these lithologies (input #1, soil texture) into HYDRUS1D and allowed the model's library of hydraulic properties to generate the hydraulic properties shown in Plate 1. We then used these hydraulic properties in simulations of these scenarios. For all scenarios, we used data for the Ogallala Aquifer as described in Nichol森 and Clebsch, (1961) as input to the mixing model (input #2, aquifer thickness; input #3, ground water flux). Other data are described below.

Initial Conditions

As described in Appendix A, the distribution of the mass of chloride in the vadose zone is the most important input parameter for prediction of chloride concentrations in ground water. One can calculate the mass of chloride from a known fluid release by simply multiplying the known chloride concentration of the released fluid (mg/L) by the volume of the release (L). Calculating the distribution of this mass requires a surface measurement of the area (m^2) of the release. Simple division creates the value of chloride load (mg/m^2) used in the simulation. More times than not, however, we do not have good data concerning the release characteristics. Site specific sampling, can provide these same data.

We used chloride measurements from boreholes and other samples to determine the maximum chloride load at the site. ETGI data shows that essentially all of the chloride resides in the vadose zone from ground surface to a depth of about 25 feet in the area of the former pit. In this zone, we estimated a chloride load of about 154 kg per square meter (input #4) using data from a small area of the pit that displayed good vertical control. Appendix B describes the method employed for chloride calculation. Plate 2 and 3 show the data used and the calculation of

chloride load for this scenario. Plates 1, 2 and 3 also show the depth to ground water, 55 feet (input #5).

Because we have soils analysis showing 8% moisture, we employed this value in this simulation (input #6). Based upon our experience, we employed a dispersion length of 100 cm (input #7). The selected dispersion length is 7% of the total length of the HYDRUS1D model (55 feet). Many researchers suggest that a dispersion length that is 7-10% of the total model length provides reasonable results for simulation experiments.

The daily climate data available from the Pearl weather station near the Hobbs Airport served as input for all climate indices required by HYDRUS1D (input #8). For the final input parameter, background ground water chloride concentration, we used 375 mg/L based upon site data.

We used the results of this simulation effort to calibrate our input parameters. For example, we first attempted to use an aquifer thickness of three meters in our mixing model calculation. The resultant concentration in ground water was much higher than is currently observed. We then used the actual aquifer thickness at the site, 100 feet, which returned a result more similar to what we currently observe in monitoring wells. The fact that chloride ion is relatively well distributed throughout the thickness of aquifer at the site (see ETGI data) supports our use of 100 feet in the mixing model. Additionally, chloride-rich vadose zone water is generally denser than the underlying water in the aquifer. Density flow at the site would also increase the mixing in the aquifer.

We applied the chloride load (154 kg/m^2) to the ground surface over a relatively short time and then used HYDRUS1D to simulate unsaturated transport for about 20 years, to observe the simulated distribution of chloride in the vadose zone.

Scenario 1: "No Action"

After satisfactory calibration of the model, ETGI provided chloride data from boreholes and samples within and adjacent to an excavation south and west of the former pit. This chloride distribution, shown in Plate 2, results in a chloride load of 118 kg/m^2 is representative of conditions which exist in this area of the site. We then simulated unsaturated zone transport and ground water mixing.

Scenario 2: Remove Chloride Load

In this simulation we assumed removal of the 6 m deep chloride impact zone in the area of the former pit and backfilling with a "clean" soil.

SIMULATION OF CHLORIDE TRANSPORT - CHAMPION FACILITY

ETGI

March 28, 2003

Plate 3 shows the calculation of chloride load for this simulation. All other input parameters remain the same as described in Scenario 1. The excavation and removal of the uppermost 6 meters of soil results in a reduction of the chloride load from the original estimate of 154 kg/m² to 92 mg/m².

Scenario 3: Reduce Infiltration

To minimize the potential for any leaching of residual chloride from the vadose zone, we assumed a surface remedy that would reduce infiltration of precipitation. To simulate such a remedy, we simply reduced the precipitation values by 70%. This simulation predicts the effect of (a) covering the site with asphalt (which would result in almost 100% reduction of infiltration), (b) sloping the site to cause runoff of the larger precipitation events (c) placement of a clay or synthetic barrier between the parking lot gravel and the underlying soil, (d) placement of a graded compacted layer at the surface to minimize infiltration, facilitate runoff and prevent ponding of precipitation, or (e) a combination of any or all of these remedies. All other input parameters are the same as Scenario 1 (e.g. a chloride load of 118 kg/m²).

Scenario 4: Excavate 6 Meters and Reduce Infiltration

We used the same input parameters as Scenario 2, excavation and removal of the uppermost 6 meters, except we reduced precipitation by 70%.

4. Results

Figure 1 presents the simulated chloride distribution in the vadose zone using the input parameters of the Initial Conditions. This figure plots the distribution of chloride with depth assuming that the calculated chloride load (154 Kg/m²) was discharged to the surface (pit) over a relatively short period then allowed to infiltrate with precipitation over 20 years. The simulated chloride distribution approximates the chloride distribution observed in boreholes at the site. This good agreement between the simulated response and the measured values suggests that the HYDRUS 1D model represents a good approximation of the site. We understand the chloride-rich fluids may have been placed in the pits about 20 years ago.

Figure 1: HYDRUS1D simulation showing agreement between field chloride measurements and the simulated response.

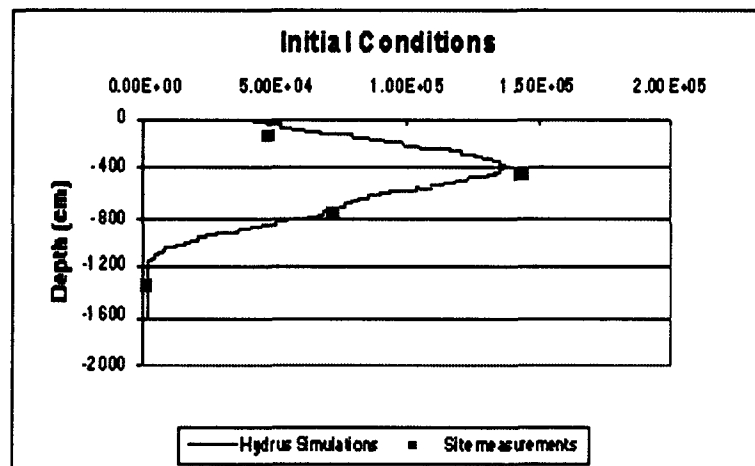


Figure 2 shows the response in a monitoring well located immediately adjacent to the area of the site represented by Scenario 1 and Plate 2. The chloride content of the monitoring well steadily rises from 375 at day zero to a maximum of about 1600 mg/L near day 12000 (32 years). We ceased this simulation after 45 years. Clearly ground water will exceed background concentrations for many more decades.

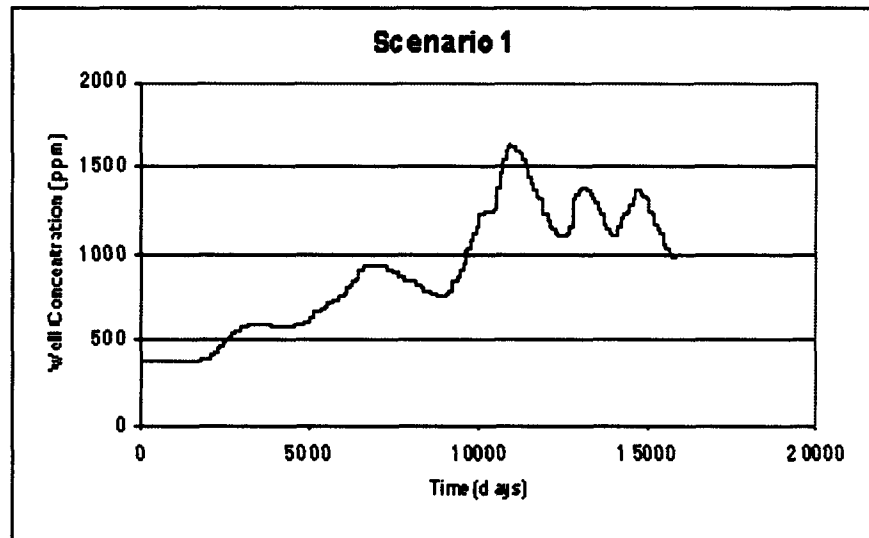


Figure 3 presents the results of our simulation of Scenario 2, excavate and remove the top 6 meters of soil. The similarity between Scenario 1 and Scenario 2 is not surprising. The excavation program does not materially reduce the chloride load (118 kg/m² in Scenario 1 to 92 kg/m² in Scenario 2). However, the rate of decline of chloride concentrations in the adjacent moni-

Figure 2: Simulated chloride concentration in an monitoring well adjacent to an area with a chloride loading of 118 kg/m².

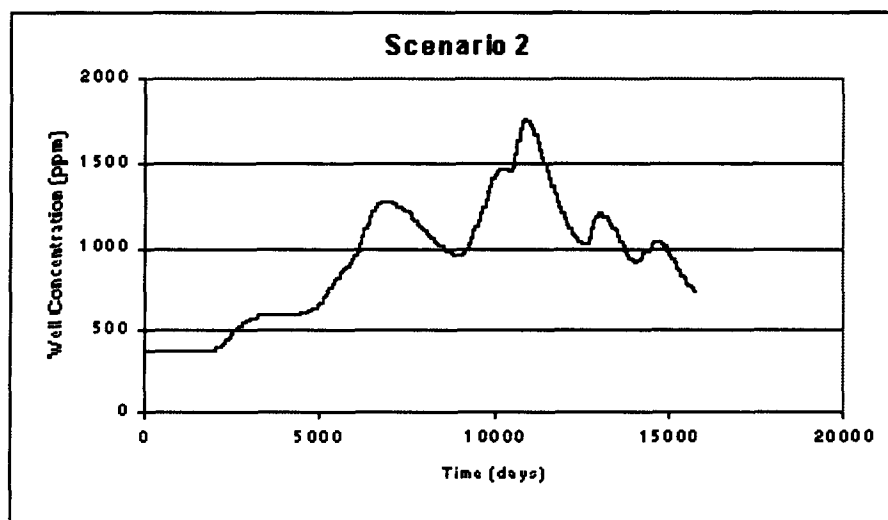


Figure 3: Simulated chloride concentration in an monitoring well adjacent to an area where the top 6 meters of soil is excavated and removed.

toring well is greater than predicted in Scenario 1 (no action). Although we simulated this scenario for only 47 years, Figure 3 suggests that the monitoring well will return to background conditions near day 20,000 (about 55 years).

Figure 4 presents the results of the simulation for Scenario 3. Reducing precipitation by 70% causes the chloride mass to remain in the vadose zone – even after 198 years. Figure 5 shows the response of the adjacent monitoring well. After an initial rise from 375 mg/L to about 475, natural ground water flow causes a gradual decline in chloride concentrations to about 400 mg/L.

The flux of chloride from the vadose zone to ground water may be reduced in several ways. One method, excavation and backfilling, was simulated in Scenario 2. In Scenario 3 we reduced infiltration by a surface remedy that had the same effect as reduction of precipitation by 70%.

Figure 4 Scenario 3: Chloride distribution in the soil profile after 198 years of simulation after infiltration reduction.

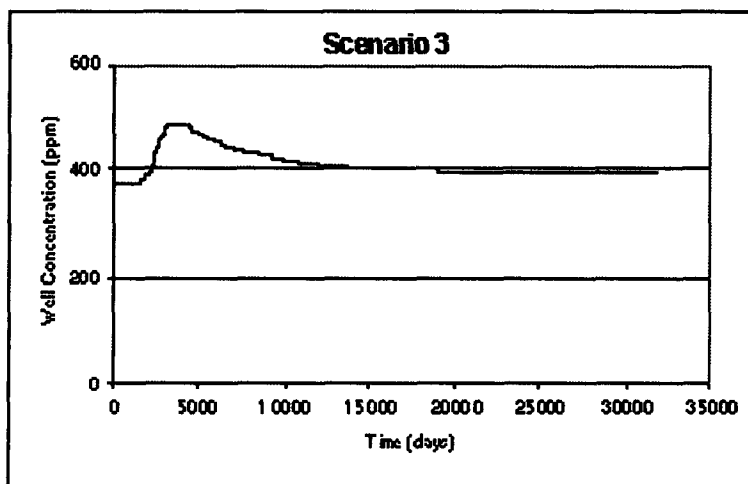
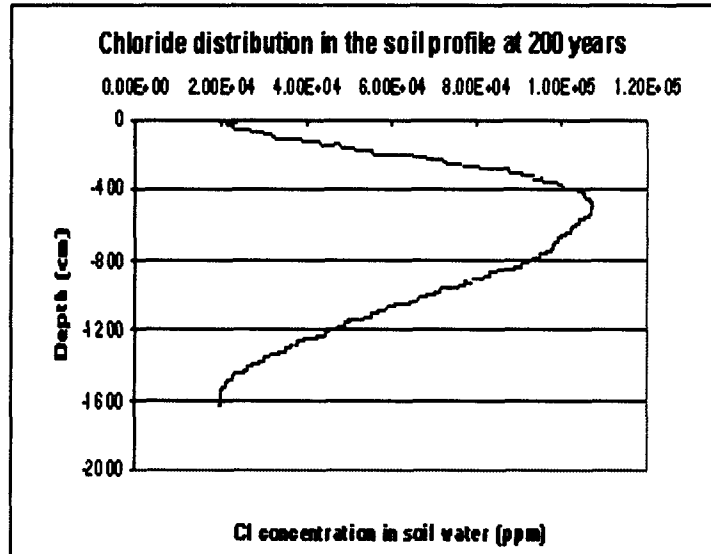
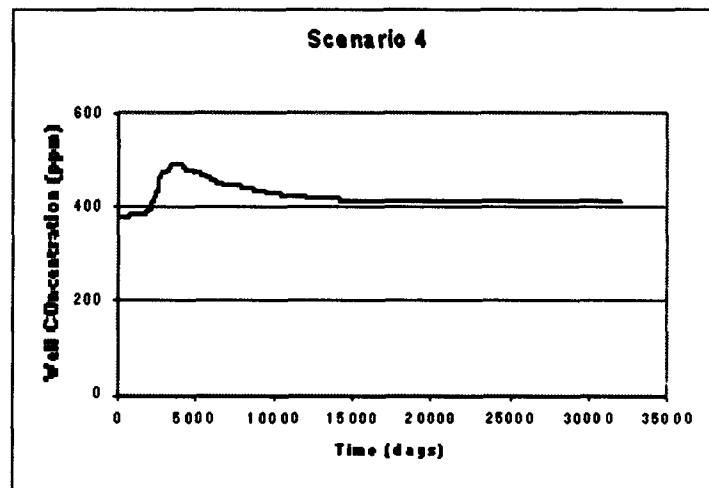


Figure 5 Scenario 3: chloride concentration in an adjacent monitoring well after infiltration reduction.

Figure 6 shows the response of a monitoring well adjacent to the former pit, under the conditions described by Scenario 4. We see no material difference between the predictions of Scenario 3 and 4. The graphics package that generates the results of the simulation shows the final concentration of the monitoring well greater than 400 mg/L in Scenario 4 and less than 400 mg/L in Scenario 3. Removal of some of the chloride load by excavation would actually reduce the resultant concentration in the monitoring well by some small extent, not as shown in these interpreted graphical results for Scenarios 3 and 4.

Figure 6 Scenario 4: chloride concentration in a monitoring well adjacent to the former pit after excavation, removal and infiltration reduction.



4. Conclusion

We believe the HYDRUS1D simulations for the Champion Hobbs facility provide reasonably good predictions of chloride concentrations in ground water for the various scenarios. We find no material difference in chloride concentrations in ground water between two potential remedies for the site:

1. Excavation and removal of the near-surface chloride in the vadose zone, with surface controls to reduce infiltration and
2. Allowing a large chloride load to remain in place and create surface controls to reduce infiltration

Chloride is a "conservative ion". Chloride does not sorb to clays or organic material (like dissolved metals); it does not mineralize to oxides on-grain surfaces (like metals), and it does not degrade (like hydrocarbons). A remedy that permanently immobilizes chloride ion in the vadose zone, will more readily cause immobilization of certain metals and petroleum hydrocarbons.

Depth	Lithologic Description	Measured Soil Chloride Concentration mg/kg	Bulk Density of Sample kg/cubic meter	Thickness of Column (ft)	Calculated Chloride Mass in Column (kg/m2)
	0-0.5 Compact Caliche	11900	1858	5	36.62602696
	0.5-23 feet Caliche with fractures filled with silty sand	6600	1858	9	36.56447061
20 feet	23-28 Feet Hard Caliche	3000	1858	10	18.46690435
40 feet	28-50 Feet Caliche with fractures filled with silty sand	1405	1858	31	26.8108673
	50-55 Hard Caliche				
60 feet	Aquifer = Medium Sand				
Calculated Chloride Load					118.4682692
Hicks Consultants 219 Central NW Albuquerque, NM	Environmental Technologies Group, Inc.			Plate 2	
	Calculation of Chloride Load, Champion Facility, Hobbs Scenarios 1 and 3			Mar-03	

Depth	Lithologic Description	Measured Soil Chloride Concentration mg/kg	Bulk Density of Sample kg/cubic meter	Thickness of Column (ft)	Calculated Chloride Mass in Column (kg/m2)
20 feet	0-0.5 Compact Caliche	97	1858	5	0.298548287
	0.5-23 feet Caliche with fractures filled with silty sand	97	1858	13	0.776225546
		11009	1858	10	67.76738332
	23-28 Feet Hard Caliche				
40 feet	28-50 Feet Caliche with fractures filled with silty sand	1405	1858	27	23.35140055
60 feet	50-55 Hard Caliche				
	Aquifer = Medium Sand				
Calculated Chloride Load					92.1935577
R.T. Hicks Consultants, Ltd. 219 Central NW Albuquerque, NM	Environmental Technologies Group, Inc.			Plate 3	
	Calculation of Chloride Load, Champion Facility, Hobbs Scenarios 2 - Excavate and Replace			Mar-03	

1.0 INTRODUCTION

Environmental Technology Group, Inc. (ETGI) was retained in July of 2002 by Champion Technologies (Champion) to respond to a Letter of Deficiency from the New Mexico Oil Conservation Division (NMOCD) dated June 03, 2002. A Stage 2 Abatement Plan Proposal (APP) dated February 05, 2002 had been previously submitted to the NMOCD by Enercon Services, Inc. (Enercon). This APP was conditionally approved by the NMOCD on June 12, 2002.

This Comprehensive Status Report (CSR) was designed to address the conditions, procedures, results and recommendations of the APP, Letter of Deficiency and any new abatement circumstances discovered during implementation.

1.1 SITE HISTORY AND USAGE

Site History and Usage has remained relatively unchanged subsequent to the submission of the Site Investigation Report (SIR) dated September 10, 2000. This Champion facility stores and distributes chemicals for the petroleum industry in Eastern New Mexico and West Texas. Additional information can be found in the September 10, 2000 SIR submitted to NMOCD by Enercon.

1.2 PROJECT OBJECTIVE

The objective of this project is to continue to investigate, evaluate and mitigate any soil and groundwater contaminants of concern pursuant to The New Mexico Water Quality Control Commission (WQCC) Regulations 20NMAC 6.2.4106.E. The focus of this CSR is to document abatement activities of the heavily contaminated soil and delineate groundwater impacted with chemicals of concern (COC). Additionally, risk-based assessment and transport modeling will be utilized for supporting proposed remediation methodologies to attain WQCC standards that are protective of human health safety and the environment. This objective is being accomplished through the following activities:

1. Review of relevant site, vicinity and research documents.
2. Completion of a detailed door-to-door water well survey within one half mile of the Champion facility. This data was used for updating the original water well report and map including domestic wells along Llano Grande Street to the north and west of the facility.
3. Developing and implementing a soil investigation program that included;
 - soil borings and sample collection for Area 2 beneath the existing bulk chemical containment area,
 - soil borings and sample collection for Area 3 around the "trenched area/SB-21 area",
 - trenching and boring along the then-current septic system leach field line,

- investigative trenching the area south of the current office building,
 - documentation of off-site and background soil and groundwater concentrations.
4. Developing and implementing a groundwater investigation program that includes installation of monitor wells to identify and delineate any potential groundwater impacts by COCs, determine the human health and environmental risk from the COCs, and to monitor groundwater gradient and velocity.
 5. Investigate possible water well that was located beneath the bulk chemical containment area.

The data obtained from site investigation and excavation was used to present recommendations for future investigations and remedial actions. Work plans for approved investigations and/or remedial actions will be submitted as an addendum to this CSR.

2.0 SITE DESCRIPTION

2.1 PHYSICAL LOCATION

The Champion facility's physical address is 4001 South Highway 18 in Hobbs, Lea County, New Mexico. The legal description for the property is the NE/4 of SE/4, Section 15, Township 19 South, Range 38 East, West Hobbs Quadrangle (Figure 1).

2.2 SITE LAYOUT

The Champion facility stores and distributes chemicals for the petroleum industry. The property is rectangular in shape, approximately 500 feet along Highway 18 by 640 feet deep (Figure 2). The facility consists of an office and laboratory building, manufacturing and warehousing as well as open storage, parking and undeveloped areas. The site is enclosed by a fence with a locking gate along Highway 18. The facility uses a septic system for sanitary waste disposal and water is supplied by an on-site domestic well. The site is nearly flat with a slight gradient to the northwest. There are no bodies of surface water on the site.

The facility is bordered by South Highway 18 on the east, residential and undeveloped property to the south, a recently installed oil well and livestock area to the west, and an oilfield service company to the north.

2.3 SOIL DESCRIPTION

Soils at the site are predominantly mapped as the Kimbrough Loam with small areas of Sharvana, Lea and Stegall soils (Soil Survey, Lea County, New Mexico, 1974).

Kimbrough Series Soils are located on upland plains with very minor slopes. Kimbrough Series Soils formed in thin calcic eolian sediment (approximately 15 inches thick) over fractured caliche layers. The soils support short and mid grasses and shrubs, and are primarily utilized as rangeland (Soil Survey, Lea County, New Mexico 1974).

2.4 REGIONAL GEOLOGY

The geology of the Southern High Plains of New Mexico and Texas consist of the Tertiary Ogallala Formation, which is overlain by Quaternary eolian, fluvial, and lacustrine sediments. The Quaternary deposits range in age from 1.4 million years old to recent, and extend to a maximum depth of 80 feet below ground surface (bgs) regionally. The Tertiary Ogallala Formation contains coarse fluvial conglomerates, sandstone, and fine-grained eolian siltstone and clay. The depositional environment of the Ogallala Formation and overlying Quaternary deposits produce overlapping alluvial fans. Exposed along dry river beds in the region, the Quaternary alluvium deposits consist of sands, silts and gravels. Locally, a resistant calcic layer known as the "caprock" overlies the Ogallala Formation. The "caprock" is exposed along the northwestern portion of Lea County.

2.5 SITE LITHOLOGY

The site geology is represented by surface sediments that have been subjected to development of caliche layers that are contiguous over the investigation area. The surface of the investigative area consists of 6 inches to 1 foot of dry compacted caliche base. In undisturbed locations the caliche yard base is underlain by an under-developed caliche layer containing fine grain sand, silt and occasional clay nodules that extends to approximately 25 feet bgs. Below 25 feet, a very hard, mature caliche (calcrete) is encountered that is lacking the sand and silt observed in the layer above. This layer of mature caliche has a thickness of approximately 5 feet. The layer underlying this 5-foot thick mature caliche is similar in character to that above it. This caliche and intermixed sand layer extends from approximately 30 feet to 49 feet bgs. An extremely hard layer of indurated caliche (siliceous calcrete) is encountered from 49 feet to the current water table at approximately 55 feet bgs. Below 55 feet, medium and fine grain sands and gravels with occasional carbonate (caliche) layers dominate the saturated zone. Throughout the caliche profiles, no evidence was observed of current or recent moisture.

2.6 REGIONAL HYDROLOGY

The primary regional aquifer is the Ogallala Aquifer. Where present, the Ogallala Aquifer is usually characterized by relatively high hydraulic conductivity and transmissivity. Sediments of the Ogallala Aquifer are commonly interfingered and intermixed silts, clays, sands and gravels derived from erosion of the southern end of the Rocky Mountains located approximately 100 miles west of the area. Regionally, the Ogallala Aquifer thins from north to south in Lea County and total dissolved solid content increases from north to south. Perched zones can exist with limited aerial extent above the primary aquifer, although no regional perches are recognized in the study area.

2.7 SITE HYDROLOGY

Groundwater is encountered at approximately 56 feet bgs across the site. Caliche layers are also located within the saturated section in areas of the site. The saturated thickness is approximately 80 feet based on drilling records for the on-site domestic water well installed by Eads Drilling Co. in 1993. Total Dissolved Solids (TDS) content varied from 882 mg/l in monitor well MW-15 to 1550 mg/l in monitor well MW-5. Groundwater flow has been generally west to east across the property for the duration of the gauging events conducted by ETGI.

Groundwater in the area has historically provided domestic water to residences, livestock and limited areas of irrigation. All three uses have been documented on the adjoining properties.

3.0 SOIL INVESTIGATION

3.1 AREA 1

Area 1 has previously been reported as being located on the west side and surrounded by Area 2. For the purposes of this report Area 1 has been incorporated into the Area 2 soil investigation. There will be no further separate discussion of Area 1.

3.2 AREA 2

Area 2 is located directly west of the existing warehouse on the north-central part of the property (Figure 2). The purpose of sample collection was to delineate the horizontal and vertical extent of suspected former pit. Soil samples in Area 2 were collected using an air-rotary drilling rig and decontaminated split-spoon sampler. Soil sample locations in Area 2 consisted of SB-41, SB-42, SB-47 through SB-51, SB-53 and SB-57 through SB-64 (Figure 3). Typically, samples were collected at 5-foot intervals to total depth. Hard, compacted or indurated carbonate rock (caliche) at some depths prevented collection of split-spoon samples.

Soil boring SB-41 was advanced to a total depth of 57 feet bgs. Heavily stained black fill material was encountered from 2 to 15 feet bgs. Strong hydrocarbon and chemical odor

were detected through approximately 25 feet bgs. Below 15 feet, the staining becomes less pronounced with depth until no longer evident at 30 feet bgs. A very hard indurated caliche layer was encountered from 25 to 30 feet and a second hard indurated and siliceous layer was encountered from 50 to 53 feet bgs. Below 53 feet the cemented sand that was encountered became increasingly moist at 56.5 feet.

Soil boring SB-42 was placed immediately off the north side of the existing bulk chemical containment area and advanced to 40 feet bgs. No staining or odor was encountered during placement of SB-42. Based on visual observations, no samples were submitted for laboratory analysis. Soil excavation revealed that SB-42 was coincidentally placed between the existing known pit and a previously unknown pit that extended beneath the bulk chemical containment area. The additional pit was designated Area 2-West Pit based on proximity to the original pit of Area 2.

In implementing the previously approved Stage 2 Abatement Plan Proposal dated February 5, 2002, excavation activities in Area 2 were initiated on July 29, 2002. An estimated 18,200 cubic yards (cy) of material was removed during the excavation of Area 2. The fill material removed consisted of mild to severely stained caliche, sand and debris. Debris removed from the pit included metal and plastic drums, metal piping, tires and assorted solid waste. Much of the debris removed from the excavation was coated with black gelatinous or tarry material. The material had a very strong chemical odor. The central portion of the pit was saturated from approximately 6 to 12 feet bgs.

During excavation activities, several metal pipes were removed from Area 2. The metal pipes were segregated from the removed fill and will be picked up by a metal recycler.

Area 2 was initially excavated approximately 140' by 114' by 18' deep. Sidewalls were benched on all sides to conform to safe excavating practice. Even though the south sidewall was excavated as close as practicable to the existing bulk chemical containment pad, an area of this sidewall approximately 15' wide by 18' high remained stained. This material was left in place at the time to maintain structural integrity of the overlying bulk chemical containment pad. This area would later be excavated following the relocation of additional bulk chemical tanks and subsequent removal of approximately half of the overlying concrete containment pad. The removal of the stained sidewall led to the discovery of a pit extending beneath the containment pad to the south and beyond the pad for approximately 35' to the west. The approximate final excavation extent is indicated in Figure 2.

Sidewall confirmation soil samples were collected from the north and an east wall to verify that contaminant excavation was achieved. Remaining sidewall and bottom-hole samples were not collected during this phase of Area 2 excavation pending final determination of south and west delineation. Excavation of Area 2 was terminated at a depth of approximately 16-18 feet bgs due to a very hard caliche rock. The central floor area of the excavation remains stained from pit fill leachate.

Soil borings SB-47 through SB-51, SB-53 and SB-57 through SB-64 were placed to delineate and characterize the south and west sides of Area 2 (Area 2-West Pit). Soil borings SB-47 through SB-51, SB-53 and SB-57 through SB-60 were placed through the concrete bulk chemical containment area in efforts to delineate the southern extent of contamination below the concrete pad. Soil boring data from SB-49 and SB-50 was used to establish the southern extent of Area 2. Efforts were then made to salvage a portion of the concrete chemical containment pad by saw cutting the pad several feet south of SB-49 and SB-50.

Following the saw cut, approximately 50% of the bulk chemical containment pad was removed. This allowed for a second phase of excavation on the south and west sides of Area 2 to bring the excavation to its current extent (Figure 2). Similar material was removed during this phase of excavation that began on January 20, 2003 as was removed during earlier excavation activities. The materials consisted of moderately to heavily stained, moist caliche, solid waste and debris. A very strong chemical odor was evident during excavation activities. Removed metal piping and scrap were segregated and placed with previously removed material of similar nature. The excavation was advanced to the west until all visual contamination was removed. The excavation was also advanced to the south up to the chemical containment pad saw cut. This south wall face continues to exhibit minor staining in a layer approximately two feet thick and extending below the length of the remaining chemical containment pad.

During a site visit by members of the NMOCD on February 05, 2003, ETGI was directed on behalf of Champion Technologies to collect at least one composite soil sample from the stained layer below the remaining chemical containment pad and analyzed the sample for COCs. Samples from this layer were collected by using a hand auger advanced horizontally beneath the pad. A total of three horizontal borings were advanced within a six-foot sidewall section. A composite sample of the three borings was collected and analyzed from the 3-4 foot horizontal distance interval. Two of the three borings encountered refusal at the 8-foot distance while one boring was advanced to a maximum distance of 14.5 feet where a discrete point sample was collected from 14.5 to 15.5 horizontal feet. Sample results are discussed in Section 5.1, Analytical Results and Significance.

In the process of excavating the south sidewall of Area 2, a metal pipe was exposed that appeared to be part of a well casing. The casing was excavated to expose an 8' tall section for better investigation. The metal casing was cut off approximately 4' above the bottom of the excavation to allow access down the pipe. Water was gauged at approximately 58 feet bgs. Larry Johnson of the Hobbs, New Mexico office of the NMOCD visited the site on March 06, 2003 and identified the casing as an abandoned water well. This water well will be properly plugged and abandoned per New Mexico regulations prior to the backfilling of this excavation.

Sidewall confirmation samples were collected from the south and west walls of the Area 2 excavation (Figure 14). A bottom-hole composite sample was collected from in-place material in the floor of the Area 2-West Pit section of the excavation. After removing

unconsolidated material with a shovel and broom, the caliche rock bottom was sampled using an electric drill to collect cuttings from three separate floor locations to make one composite sample.

3.3 AREA 3

Area 3 is comprised of two excavations separated by approximately 5 feet. One excavation referred to as the "Trenched Area" is the more southerly excavation of the two excavations (Figure 2). This excavation is so referred because of previous work by Enercon in which five parallel trenches were excavated for exploratory purposes. Stained material and solid waste were reported at that time but the trenches were backfilled. Faint surface traces of the former trenches were used in conjunction with site drawings by Enercon to locate this area.

The northern of the two excavations is referred to as the SB-21 Area due to previous work by Enercon. Soil boring SB-21 installed by Enercon indicated elevated concentrations of COCs in samples collected in SB-21. An excavation plan was developed based on previous soil borings and references on Enercon's site drawings.

Excavation activities at Area 3 began on July 22, 2002 with the "Trenched Area" being excavated first. The shape of the area is roughly rectangular and measures approximately 80' in the east-west direction and approximately 45' in the north-south direction. Several crushed metal drums were removed from this area. Several of these drums and drum pieces had a black tarry material adhering to them. Some of the material was very viscous but could be seen dripping from the debris. Other excavated materials found were tires, metal containers, pipes, trash, plastic containers, and wood. The soil surrounding the solid waste was moderately stained and emitted a chemical odor but no indications of moisture were observed.

Depth of the Area 3 "Trenched Area" excavation varies from 4' to a maximum of 12' bgs and was based on depth of visual staining, unconsolidated fill and solid waste removed. Depth in the southwest corner was approximately 12' bgs, the central section approximately 10' bgs and the northeast section 8' bgs.

An estimated 1,000 cy of material was removed from the "Trenched Area" portion of the Area 3 excavation. The solid waste was segregated by similar qualities (metal, plastic, etc.). After waste characterization, the soil was transported to a local NMOCD approved land farm for treatment. ?

Excavation of the Area 3 SB-21 area was planned to encompass soil borings SB-32, SB-33, SB-34 as well as SB-21. This excavation is square in shape (approximately centered on SB-21) with a length of approximately 40'. The depth of this excavation was approximately 4' bgs. No staining, moisture, or debris was observed. A hard, fractured caliche was encountered at one-foot bgs and yielded no observable evidence of having been previously disturbed. An estimated 375 cy of soil was removed from the SB-21

area. After waste characterization this material remains stockpiled on site for possible reuse as backfill.

Confirmation sidewall and bottom-hole samples were collected for both excavations. Results from the "Trenched Area" excavation sidewall samples required re-sampling after stepping out from initial sidewall sample locations as chlorides were found to exceed 250 ppm in the initial sample location. (Figure 15).

A letter by ETGI dated November 12, 2002 was submitted to the NMOCD to request backfill approval for Area 3. As of this report, approval has not been received. This letter documents and illustrates that climatic and sub-surface conditions do not exist that would allow for transport of COC through the unsaturated zone to the groundwater.

3.4 SEPTIC SYSTEM LEACHFIELD

A septic system and leachfield line providing service for the office and in-house laboratory is located directly west of the office building. The office and laboratory were moved from the warehouse location upon construction of the new building in 1994. The septic system provided service for the laboratory until it was closed in 1999. This septic system continued to service the office until October 2001 (Stage 2 Abatement Plan Proposal, Enercon Services, Inc. February 5, 2002) when the septic tank was replaced and reconnected to the original leachfield line. Monitor well MW-3 was installed south of the then-current septic tank and leach line system by Enercon Services, Inc. No indication of staining or contamination was reported. Groundwater concentrations of chloride in monitor well MW-3, as with all the monitor wells on-site, exceed 250 ppm.

On September 25, 2002, the original leach line was excavated and removed. A new leach line was installed approximately 20' north of the original line, covered and placed into service. The original leach line excavation trench was sampled for chromium and chloride prior to backfilling. On October 02, 2002 soil boring SB-52 was placed on the south side of the former leach line and advanced to a depth of 56' bgs. Soil samples were collected and analyzed for chromium and chloride. There was no visual or olfactory indication of contamination in the leach line excavation or soil boring SB-52 (Figure 4).

3.5 SOUTHEAST CORNER OF PROPERTY

Monitor wells MW-4, MW-5, MW-13 and MW-14 are located on the southeast corner of the property. This area of approximately 18,000 square feet is utilized by Champion as an occasional storage area for utility trailers or equipment. Directly across the fence and property line to the south is a residence and the off-site domestic well that is included in the quarterly groundwater monitoring program.

Based on increases of groundwater chromium concentrations in monitor well MW-4 and monitor well MW-13, and a relatively stable concentration in monitor well MW-3, an alternate source of chromium is suspected. An electronic pipe locator was used to survey this part of the yard. The pipe locator survey indicated multiple areas for possible

investigation. These areas were investigated and led to a refined excavation plan. No suspect material was discovered during this investigation.

Two trenches were excavated in this area for exploratory purposes. The trenches were oriented north-south parallel to each other and on either side of buried utilities connecting the on-site domestic well to the office. The trenches were designated West Trench and East Trench (Figure 4). The trenches were excavated to an average depth of three feet bgs with occasional areas reaching six feet bgs. Soil samples were collected from the West Trench on the south end and below a 2" diameter metal pipeline that traversed both trenches east-west. There were multiple corrosion holes in the pipeline but no moisture or staining was observed. No samples were collected from the East Trench. No evidence of disturbance was observed in either trench.

3.6 MONITOR WELL MW-8 AREA

An area of approximately 100 sf was investigated immediately east of monitor well MW-8 on the north side of the warehouse. A surface stain was observed in the soil during the installation of MW-8. The stained soil visually extended to approximately one-foot bgs. This appeared to have been a minor spill but was delineated by placement of soil borings to the west (SB-43), north (SB-44) and east (SB-45). Visual, instrument (PID) and olfactory observations did not indicate contamination beyond the surface expression or below 2'. No samples were submitted to the laboratory for analysis. Small spill mitigation is addressed in the Champion Discharge Plan dated September 13, 2001.

3.7 BOREHOLE DRILLING AND SOIL SAMPLING

The soil investigation was accomplished by completing boreholes and collecting soil samples at locations identified in previous work plans submitted to NMOCD. The soil borings were completed using an air-rotary drilling rig and soil samples were collected using a split-spoon sampler. Lithologic soil boring logs were created from the observations of samples and drill cuttings during soil boring placement.

Soil samples were collected by drilling to the desired sample interval and removing the drill stem and drill bit. The sampling plan required sample collection using a split spoon sampler every 5 feet. A decontaminated split spoon was lowered to the sampling depth and slowly advanced into the undisturbed soil. Hard, compacted and indurated carbonate rock layers posed limiting factors for sample collection at various intervals. The split-spoon was withdrawn from the borehole and the sample removed from the sampling devices and placed into appropriate containers. The split spoon device was removed from each soil boring and the drill bit and drill stem reattached and the boring advanced to the next sample location. Field headspace analysis was completed by placing a part of the sample into a zip lock bag. After 30 minutes the headspace in the bag was screened using a photo ionization detector (PID) and the results recorded. A minimum of three soil depths were collected in sample containers, placed on ice, and submitted to the laboratory for analysis. When a contaminated zone was encountered, an additional

sample was collected at the base of the contaminated zone and also submitted for laboratory analysis.

Cuttings generated from the borings were placed with the stockpiled soil excavated from Area 2 awaiting sampling, classification and disposal/treatment. The boring, once completed, was grouted to surface using Portland cement, bentonite powder and water. The mixture was tremied from the bottom of the boring to ground surface.

The drilling rig, drill stem and drill bit along with all split spoons were decontaminated prior to proceeding to complete the next boring.

A qualified geologist, hydrogeologist, or soil sample technician recorded soil type descriptions. These descriptions included the following information and were recorded in the field logbook:

- Color,
- Structure,
- Texture,
- Moisture,
- any other characteristic that may affect the environmental fate of any releases.

Field screening observations for possible contamination included visual descriptions of each sample. All descriptions were recorded in the bound field logbook.

Samples selected for laboratory analysis were placed into a cooler with plastic bubble wrap matting over the base and bottom corners of each cooler or shipping container. Each sample bottle was individually wrapped with bubble wrap and placed upright on the base of the appropriate cooler. Ice or cold packs in two heavy-duty zip-lock type plastic bags were placed over the top of the samples to ensure proper temperature needed for sample perservation. Chain-of-custody documentation was completed with all appropriate information for each cooler or shipping container and accompanied each shipping container during transport to the analytical laboratory.

3.8 BACKGROUND SOIL CONCENTRATIONS

Background soil samples were collected by ETGI from borings SB-55 and SB-56. Additional background soil data was collected from soil samples collected while completing monitor wells MW-9 and MW-15. Chromium concentrations in these samples ranged from 2.1 mg/kg to 5.73 mg/kg. Chloride concentrations ranged from 13.9 mg/kg to 390 mg/kg (Table 10, Figure 4).

Background soil concentrations were researched by reviewing existing publications. Published data indicates background chromium concentrations in soil can range from 5-150 milligrams per kilograms (mg/kg), with an average concentration in calcic, sandy soils reported at 50 mg/kg. This data has previously been reported in the ETGI letter

entitled "Request for Backfill of Area 3" that was submitted to the NMOCD on November 12, 2002.

Site-specific background soil samples collected by ETGI and samples collected by Enercon were analyzed for chromium. These samples showed chromium concentrations ranging from 2.1 mg/kg to 20.1 mg/kg (Table 10).

Published average lead background concentrations reported in Risk Assessment Information Systems (RAIS) Generic Soil Background Values for various soil lithologies range from 18 to 26 mg/kg with an average of 20.9 mg/kg.

Background lead concentrations observed in soil samples collected by ETGI and samples collected by Enercon ranged from 1.51 mg/kg to 23.2 mg/kg.

Background **Arsenic** concentrations observed in soil samples collected by ETGI and samples collected by Enercon ranged from 1.84 mg/kg to 17.0 mg/kg. Published average concentrations for arsenic range from 3.6 to 8.8 mg/kg with an average concentration of 6.7 mg/kg (RAIS).

Review of the "Technical Background Document for Development of Soil Screening Levels" prepared by New Mexico Environmental Department, Hazardous Waste Bureau and Groundwater Quality Bureau, Voluntary Remediation Program, dated December 18, 2000 specifies in Section 4 titled "Migration of Contaminants to Groundwater", the procedure to determine if concentrations of contaminants in soil have the potential to migrate to groundwater at a concentration that presents an ingestion risk to human health. Table A-1 NMED Soil Screening Levels indicate an arsenic concentration of 60 mg/kg (Dilution Attenuation Factor (DAF) of 20) does not present a risk of migration to groundwater above risk-based standards. Other chemicals referenced in this table include Chromium VI at 20 mg/kg and Chromium III at 200 mg/kg.

The use of a DAF of approximately 20 is specified in section 4.1.4 and states " NMED believes that a DAF of 20 for a 0.5 acre source area is protective of groundwater in New Mexico". This is reemphasized in section 4.1.6.

Table 4-16 titled Soil Concentrations Protective of Groundwater No Transport Zone in the Unsaturated Zone (DAF_{unset} 20) reviewed in Volume 2 Tier 1 Screening Levels Ecological Risk Assessment, Phase 1 Scoping Assessment, specifies lead concentrations of 53.08 and below is protective of leaching to groundwater.

Review of the Toxicological profile for Arsenic published by the US Department of Health and Human Services, Public Health Services, Agency for Toxic Substances and Disease Registry (September 2000) specifies background arsenic concentration in soil range from 1.0 mg/kg to 40 mg/kg. The U.S. Geological Survey (USGS) reports a range of 0.1 mg/kg to 97 mg/kg and a mean value of 7.2 mg/kg for background arsenic concentrations in soil (USGS 1984).

4.0 GROUNDWATER INVESTIGATION

4.1 RATIONALE FOR MONITOR WELL PLACEMENT

Monitor wells installed on the Champion property were placed to determine the potential impact to groundwater. Enercon installed monitor wells MW-1 through MW-7 while monitor wells MW-8 through MW-16 were installed by ETGI (Figure 2). Monitor wells MW-1, MW-7, MW-9 and MW-15 were installed upgradient to determine background concentrations of COCs in groundwater and represent groundwater moving onto the Champion property. Monitor well MW-10 was installed downgradient to determine if COCs have migrated off-site.

Monitor wells MW-2, MW-6, MW-8 and MW-11 were placed to determine the extent, if any, of groundwater impact from Area 2. Monitor wells MW-12 and MW-16 were placed to further define the extent of COC detected in monitor well MW-6.

Monitor wells MW-4 and MW-5 were installed by Enercon as documented in the Site Investigation Report (SIR). Monitor wells MW-10 and MW-14 were installed to further define the extent of COC detected in monitor wells MW-4 and MW-5.

Monitor well MW-13 was installed after completing a trenching investigation south of the office building. The trenching investigation was completed to determine if evidence could be found for the existence of a potential secondary chromium source south of the office building. Investigation of this part of the yard did not yield any potential source areas. Subsequently, monitor well MW-13 was installed to determine if the COC in monitor wells MW-4 and MW-5 were potentially migrating from an area located west of the trenched areas.

4.2 MONITOR WELL DRILLING, INSTALLATION AND DEVELOPMENT

Soil borings were advanced using an air-rotary drilling rig. Upon completion of the bore hole to the designated depth, new schedule 40 PVC screen and riser were assembled and lowered centrally into the bore hole. The annular space around the screened section of the monitor wells was filled with graded clean sand to three feet above the well screen. A two-foot seal, using Bentonite pellets and water, was placed over the sand pack. The remaining length of the bore hole was backfilled with grout to within two feet of the surface. Protective steel casing was placed around the riser and a concrete pad was poured to secure the monitor well in place. The protective steel casings were secured with a lockable protective cover above ground completion or lockable monitor well caps for ground flush well completions.

All monitor wells were professionally surveyed to determine spacial location and vertical elevation. Drill cuttings, drill fluids and decontamination water were secured and disposed of properly.

SEAL & SCREEN?

Monitor wells were developed by removing water from the well using a submersible pump until the water was clear. A minimum of five well volumes was calculated and removed from the casings. Field measurements collected during this process included temperature, pH and specific conductance illustrating proper development upon stabilization of these parameters.

4.3 FIELD SCREENING AND MEASUREMENT

Field instruments used during monitor well development and sampling included:

Photo Ionization Detector (PID);
Conductivity Meter;
Temperature and pH Meter and;
Electronic Water/Oil Level Meter.

Water samples were screened during monitor well development, monitor well purging and groundwater sample collection.

4.4 GROUNDWATER SAMPLING

Wells were first gauged with an interface probe and then purged with a clean disposable bailer or submersible pump for a total of three well volumes. After purging the wells, groundwater samples were collected with a disposable Teflon sampler and polyethylene line by personnel wearing clean, disposable gloves. Groundwater sample containers were filled in the order of decreasing volatilization sensitivity (i.e., BTEX containers were filled first and PAH containers second). Groundwater samples, collected for BTEX analysis, were placed in 40 mL glass VOA vials equipped with Teflon-lined caps. The containers were provided by the analytical laboratory. The vials were filled to a positive meniscus, sealed and visually checked to ensure the absence of air bubbles.

Sample containers were labeled and placed on ice in an insulated cooler, and chilled to 4°C. The cooler was sealed for transportation to the analytical laboratory. Proper chain-of-custody documentation was maintained throughout the sampling process.

The groundwater samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Methods SW846, 8021B, or 8260B.
- TPH concentrations in accordance with EPA Methods 418.1, 8015 Modified and 8015 Modified Extended, 8015M ext. Aliphatics and Aromatics.
- Total metal concentrations in accordance with EPA Methods SW846 6010B, 6020, (mercury 7471A).
- Semi-Volatile Organic Compounds in accordance with EPA Methods SW846 8270C.
- Volatile Organic Compounds in accordance with EPA Methods SW846 8260B.

- General Chemistry in accordance with EPA Methods SW846 E300.0, E310.1, E160.1 and S6010B.

Sampling containers for all water samples were provided by the analytical laboratory. Sample containers, preservatives, sample volume, and holding times are referenced in Table 8, Sampling Parameters and Sampling Requirements.

4.5 AREAS INVESTIGATED – GROUNDWATER

The hydrology at the site was determined by collecting water level readings from the monitor wells (Table 9). This data is illustrated in Figures 8, 9 and 10 for each quarter the wells were sampled. The hydraulic gradient ranged from 0.002 to 0.003 ft/ft and groundwater flow is from the west to the east.

Three quarterly sampling events are included in this report: August 2, 2002; October 21, 2002 and February 19, 2003. The analytical data for metal concentrations is reported in Table 1. Trace concentrations of volatile organic compounds and semi-volatile organic compounds detected in groundwater are listed in Tables 3 and 4, respectively. Maximum concentrations of COC detected in groundwater are specified in Table 11. Concentrations of chlorides and other general chemistry parameters are listed in Tables 2 and 5. TPH concentrations detected in groundwater are referenced in Table 7 and Aliphatic and Aromatic hydrocarbons are listed in Table 6. Laboratory Analytical Reports are provided in Appendix C in chronological order.

4.5.1 Downgradient of Area 2

Groundwater downgradient of Area 2 was investigated by the installation and sampling of monitor well MW-8 and the sampling of existing monitor well MW-6. Analysis of groundwater samples for the COC reported chloride concentrations above the NMWQCC standard of 250 mg/L in monitor wells MW-6 and MW-8. Monitor well MW-6 also exceeded NMWQCC standards for barium, chromium, manganese, iron and fluoride in August of 2002 (Figure 5). Monitor well MW-8 exceeded NMWQCC for iron and fluoride. Iron and fluoride were also above NMWQCC standards in background monitor wells MW-1, MW-7 and MW-9. Based upon these analytical results, additional monitor wells MW-11, MW-12 and MW-16 were installed to further define the extent of COC in groundwater associated with MW-6 and Area 2. These monitor wells were sampled in October 2002 and contained chloride concentrations above 250 mg/L (Figure 6). Monitor well MW-11 located directly north of monitor well MW-6 and adjacent to the east wall of the excavation contained iron, fluoride, and aluminum above NMWQCC standards. Monitor well MW-12 downgradient or east of monitor well MW-6, contained chromium, iron, fluoride and aluminum concentrations above NMWQCC standards. Monitor well MW-16, located southeast of monitor well MW-6 contained iron, fluoride and aluminum concentrations above NMWQCC standards. These results were compared to the new background monitor well MW-15, installed off-site and upgradient of the site. Monitor well MW-15 exceeded NMWQCC standards for iron, fluoride and aluminum.

Analytical data for samples collected from monitor well MW-6 in October 2002 reported chloride, chromium, and 1,1-Dichloroethane (DCA) exceeding NMWQCC standards. Based on these results, the COCs from Area 2 are chloride, chromium, and VOCs. Because of remaining concentrations of TPH in soil, Champion elects to monitor for TPH (Method 8015) in this area as well.

Groundwater samples collected in February 2003 contained chloride and total dissolved chromium concentrations exceeding NMWQCC standards in monitor well MW-6. Monitor wells MW-8, MW-11, MW-12 and MW-16 all exceeded 250 mg/L chlorides. Average background chloride concentrations also exceeded 250 mg/L by approximately 50 to 125 mg/L.

4.5.2 Downgradient of Area 3

Area 3 was excavated to remove debris buried in a trench. Bottom hole soil samples collected illustrate that COC (with the exception of chloride) have been removed and are no longer available to migrate to groundwater. Monitor well MW-2 is the closest downgradient well to Area 3. Only chloride and fluoride were detected above NMWQCC standards in the August 2002 sampling event and only chloride in the October 2002 and February 2003 sampling events, illustrating that the impact from the material in Area 3 was limited to the soil.

4.5.3 Septic System Leachfield

The groundwater south of the former septic tank system was investigated by monitor well MW-3, installed by Enercon. The analytical results indicated that chloride and fluoride were detected above NMWQCC standards in August 2002 and only chloride in October 2002. An additional soil investigation was completed and is described in Section 3.2.4. The old leachfield lines were removed and new leachfield lines were installed.

4.5.4 Upgradient of Monitor Well MW-4

Groundwater samples collected from monitor well MW-4 detected the highest concentrations of chromium throughout the site. To identify possible chromium sources, two trenches aligned north and south were completed on both sides of the electrical and water lines running from the water well to the main office. Soil investigation of this area is discussed in Section 3.4. Monitor well MW-13 was installed west of this area to determine if an upgradient source of chromium exists. The analytical results reported chloride, chromium, iron, fluoride, and aluminum exceeded NMWQCC standards. Iron, fluoride and aluminum were detected in background wells above NMWQCC standards. Therefore only chloride and chromium were identified as COC. Analytical data from MW-13 indicated the source for chromium associated with monitor well MW-4 could potentially exist further west of monitor well MW-13. The February 2003 sampling event continued to show concentrations of total dissolved chromium above NMWQCC limits.

4.5.5 Off-Site and Downgradient of Monitor Well MW-4

Monitor well MW-10 was installed (off-site) due east of monitor well MW-4, across Highway 18 to investigate concentrations of COC in groundwater downgradient of monitor well MW-4. Analytical data collected showed chloride, iron, fluoride and aluminum exceeded NMWQCC standards. Iron, fluoride and aluminum were detected in background monitor wells above NMWQCC standards. Chloride and chromium were the only COC detected for the area associated with monitor well MW-4. Monitor well MW-14 was installed north of monitor well MW-4 with groundwater samples containing chloride, iron, fluoride and aluminum above NMWQCC standards. Subsequently, chloride is the only COC associated with this well.

4.5.6 Background Data

Enercon initially collected background data through the installation of monitor wells MW-1 and MW-7. The sampling data collected in August 2002 (by ETGI) indicated that monitor well MW-1 exceeded NMWQCC standards for barium, chloride, iron and fluoride and monitor well MW-7 exceeded NMWQCC standards for iron and fluoride (Figure 5). An additional monitor well, MW-9, was installed off-site and upgradient of monitor well MW-1. Sampling data collected in August 2002 indicated that chloride, iron and fluoride exceeded NMWQCC standards. At the request of NMOCD, a fourth background monitor well **MW-15 was installed**. This well contained iron, fluoride and aluminum above NMWQCC standards during the October 2002 sampling event. Monitor wells MW-1 and MW-9, sampled in October 2002, contained chloride above NMWQCC standards. Monitor well MW-9 also contained chromium above NMWQCC standards (Figure 6).

Background monitor well data is tabulated in Table 10 for potential COCs. Iron, fluoride and aluminum were eliminated as COC due to their frequent occurrences above NMWQCC standards in background wells. The average chloride concentration was calculated at 263 mg/L, from analytical data for the four (4) background monitor wells in the October 2002 sampling event and 375 mg/L for the February 2003 sampling event. This data illustrates that the average background concentration for chloride is above the NMWQCC standards.

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5.0 ANALYTICAL RESULTS AND THEIR SIGNIFICANCE

5.1 SOIL INVESTIGATION

5.1.1 Area 2

Soil samples from the Area 2 investigation were collected from soil borings, surface grab and composite sampling locations. Potential chemicals of concern (COCs) in Area 2 are considered to be chromium, arsenic, lead, TPH, BTEX and chloride.

Maximum chromium concentration remaining in soil was found in soil boring SB-41 @ 25' at 13.4mg/kg. Background chromium concentrations as reported by the Risk Assessment Information Systems and provided to the NMOCD in the letter dated November 12, 2002 (*Request for Backfill of Area 3*) by ETGI state an average of 50 mg/kg for calcic soils. ETGI proposes establishing background chromium concentrations as < 50 mg/kg for the Champion Facility in Hobbs, New Mexico.

Maximum arsenic and lead concentrations remaining in soil were found to be 18.9 mg/kg and 23.3 mg/kg respectively. These concentrations were found in the east horizontal soil boring at 14.5-15.5' distance beneath the bulk chemical containment pad. It is ETGI's contention that the soil at this location is in a stable environment. This environment has a 6" thick reinforced concrete pad and the pad's underlying compacted caliche and sand base above it. This area is not susceptible to a transport mechanism such as infiltration.

Maximum concentrations for TPH and BTEX remaining in soil were found in soil boring SB-41 @ 25' at 28,000 mg/kg by method 418.1 and 13,360 mg/kg by method 8015M for TPH and 46.5 mg/kg total BTEX. These concentrations in soil with low permeability, indurated lithology and with the transportation method removed (leach field), do not pose a significant threat of further migration to groundwater. Nonetheless, ETGI recommends continuing monitoring of the groundwater down-gradient of Area 2 for TPH and Volatile Organic Compounds (VOCs) following a TPH detection in monitor well MW-6 on the October 21, 2002 sampling event (2.35 mg/L by method 418.1).

Maximum chloride concentration remaining in soil after excavation was reported in soil boring SB-50 @ 25' at 3020 mg/kg. Chloride transport simulations indicate that chloride at this depth will not migrate to groundwater if engineering controls are installed. These controls will consist of a clay cap over the excavated Area 2 and a surface sloped so as to reduce infiltration by precipitation. Section 7.2 further discusses modeling of chloride migration in the unsaturated zone.

Historical analytical results for concentrations of COCs can be found in reports submitted to the NMOCD during the SIR investigation by Enercon. The maximum historical chloride concentrations were used as input data for running the chloride transport simulations. And employing engineering controls, as discussed in section 7.2-Simulation of Chloride Migration keeps the chloride from mobilizing.

5.1.2 Area 3

Soil samples collected by ETGI from Area 3 investigation were obtained from soil borings and excavation confirmation sampling points. Chemicals of potential concern for Area 3 are the same as for Area 2 (chromium, arsenic, lead, TPH, BTEX and chloride).

The maximum chromium concentrations remaining in soil was found in confirmation soil sample S.S. 1 Wall 5' from the southeast wall of the "Trenched Area" excavation at 12.9 mg/kg (Figure 15). As with Area 2, we propose evaluating concentrations of chromium

in this area based on the background of 50 mg/kg. Recognizing this concentration as background and thus no threat to groundwater, additional mitigation of chromium in Area 3 is not warranted.

Maximum arsenic concentrations remaining in soil after excavating was found in confirmation sidewall sample S.S. 3 Wall 3' at 4.34 mg/kg. Maximum lead concentration remaining in soil after excavation was found in confirmation bottom-hole sample S.S. 14 Btm 10' at 3.74 mg/kg.

Maximum concentration of TPH remaining in soil after excavation was found in confirmation bottom-hole sample S.S. 12 Btm 10' at 496 mg/kg by method 418.1. Analysis for BTEX constituents did not yield any detections in this excavation. The material and mechanism that would allow for further migration of remaining hydrocarbons has been removed. The remaining TPH concentrations will naturally attenuate in place.

The maximum chloride concentrations remaining in soil after excavating of Area 3 was soil sample D-34 @ 5' bgs at 11,900 mg/kg. The surface will be graded in such a way as to minimize infiltration of meteoric water

Historical concentration of COCs remaining in the soil are found in reports previously submitted by Enercon.

5.2 GROUNDWATER INVESTIGATION

5.2.1 Downgradient of Area 2

The COCs in groundwater for Area 2 are identified as chloride, chromium, and DCA, with the highest concentrations detected in monitor well MW-6 at 469 mg/L, 0.254 mg/L, 2.35 mg/L and 0.0453 mg/L, respectively in the October 2002 sampling event (Figure 6). Monitor well MW-6 is downgradient of monitor well MW-12. Monitor well MW-12 contained chromium and chloride above NMWQCC standards at 0.054 mg/L and 357 mg/L respectively in the October 2002 sampling event.

All samples analyzed for metals (chromium) prior to 2/19/03 were unfiltered samples. These concentrations cannot be used to compare with NMWQCC standard that requires filtered samples or dissolved metals (chromium). In November 2002, ETGI collected water samples from select monitor wells and had them analyzed for unfiltered total chromium, total dissolved chromium and hexavalent chromium. The analytical results indicated that total dissolved chromium concentrations were similar to the hexavalent chromium (Chromium VI) concentrations. Chromium VI presents the greatest risk to human health and potential for offsite migration. The dissolved metal concentrations also have a greater potential to migrate downgradient. These same concentrations can also be used to compare with NMWQCC standards. ETGI completed the February 2003 sampling event for dissolved metals and total dissolved chromium concentrations (Figure

7). Based on the February 2003 sampling event and comparison of analytical results, only MW-6 is above NMWQCC limits for Area 2.

The chromium contaminant plumes illustrated in Figure 12 are of primary concern as they present the greatest risk to human health should concentrations of total dissolved chromium in groundwater migrate to an off-site water well receptor.

Chloride concentrations are above NMWQCC standards in all but two of the on-site monitor wells based on the analytical data obtained on the October 2002 sampling event and in all monitor wells from the February 2003 sampling data. The modeling completed and referenced in Section 9 illustrates that chloride in the soil is no longer contributing to chloride in the groundwater. The concentration of DCA (0.0453 mg/L) detected in monitor well MW-6 is below NMWQCC standards and in monitor well MW-12 (DCA at 0.010 mg/L) indicating these COC are being reduced by natural attenuation. The February 2003 sampling data illustrate DCA and TPH were not detected in monitor well MW-6 (Figure 7).

5.2.2 Downgradient of Area 3

There are no COC above NMWQCC standards for Area 3 with the exception of chloride detected in monitor well MW-2 at 397 mg/L during the October 2002 sampling event (Figure 6) and 384 mg/L in February 2003 (Figure 7). Chlorides in groundwater are discussed in detail in Section 9.

5.2.3 Septic System Leachfield

The only COC above NMWQCC standards found in groundwater near the former septic system leachfield (MW-3) is chloride detected at 464 mg/L during the October 2002 sampling event and 658 mg/L in February 2003 (Figure 6 and 7). The constant addition of water via the leachfield indicates a higher potential for chlorides to be leached from the soil to groundwater. This portion of the site is indicative of saturated flow and not unsaturated flow through the subsurface soil, as is the case for the remainder of the site. The concentration of chloride in the on-site water well used for sanitation is 290 mg/L based on the data collected during the October 2002 sampling event and 347 mg/L in February 2003. The concentrations of chloride are constantly added into the leachfield on a daily basis, and accumulation in the area associated with monitor well MW-3 and further downgradient in monitor well MW-5 (508 mg/L and 476 mg/L chloride), as observed during the October 2002 (Figure 6) and February 2003 sampling events (Figure 7).

5.2.4 Upgradient of Monitor Well MW-4

The COC above NMWQCC standards that are upgradient of and at monitor well MW-4 are chromium and chloride. Monitor well MW-13 contained concentrations of chromium at 0.094 mg/L and chloride at 244 mg/L, while monitor well MW-4 contained chromium at 0.333 mg/L and chloride at 377 mg/L in the October 2002 sampling event (Figure 6).

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The February 2003 sampling event showed total dissolved chromium and chloride concentrations in monitor well MW-13 at 0.151 mg/L and 332 mg/L, respectively (Figure 7). Monitor well MW-4 showed total dissolved chromium concentrations of 0.271 mg/L and chloride at 435 mg/L. Although the on-site active water well is located directly upgradient of monitor well MW-4, this domestic water supply well is screened at a lower level (110' – 130' bgs) than the monitor wells on-site. This can account for the lack of both total unfiltered chromium and total dissolved chromium concentrations in the active onsite domestic water well. Should this well become impacted by chromium concentrations above 0.04 mg/L, the immediate corrective action and public protection plan will be implemented and a new domestic water supply well will be installed in a different location. The soil investigation upgradient of monitor well MW-4 did not detect the presence of a potential chromium source. Total dissolved chromium concentrations detected in monitor well MW-13 indicates a potential source of chromium may still be present west of this location (Figure 11).

5.2.5 Off-Site and Downgradient of Monitor Well MW-4

The COC above NMWQCC standards downgradient of monitor well MW-4 is chloride and as observed at a concentration of 260 mg/L in monitor well MW-10 during the October 2002 sampling event and 355 mg/L in February 2003 (Figure 6 and 7). The migration of chloride is discussed in greater detail in Section 9. Total dissolved chromium concentrations in monitor well MW-4 in February 2003 were 0.271 mg/L. Total dissolved chromium concentrations were detected in monitor well MW-10 in February 2003 0.0163 mg/L. This illustrates the total dissolved chromium concentrations have not exceeded NMWQCC limits at monitor well MW-10. Monitor well MW-10 is approximately 200 feet downgradient of monitor well MW-4. The groundwater gradient across the site ranges from 0.002 to 0.003 ft/ft, (Figure 8, 9 and 10). The groundwater Darcy's velocity was calculated at 0.05 ft/day.

The domestic water well located at the resident south of the Champion property is sampled quarterly. Should total dissolved chromium concentrations be detected at 0.04 mg/L or above, a new source of water will be provided to this resident. Installing a new water well located upgradient of the delineated chromium concentration zone(s) could accomplish this task.

5.2.6 Background Data

The concentrations above NMWQCC standards in background monitor wells MW-1, MW-7, MW-9 and MW-15 are: fluoride and iron with monitor well MW-1 containing fluoride at 3.7 mg/L and iron at 18 mg/L; monitor well MW-7 containing fluoride at 1.94 mg/L and iron at 2.0 mg/L; monitor well MW-9 containing fluoride at 2.0 mg/L and iron at 14.7mg/L; and monitor well MW-15 containing fluoride at 2.61 mg/L and iron at 7.13 mg/L; barium in monitor well MW-1 at 1.75 mg/L; chloride in monitor well MW-1 at 408 mg/L and monitor well MW-9 at 346 mg/L; aluminum in monitor well MW-15 at 6.11 mg/L and chromium once in monitor well MW-9 at 0.086 mg/L.

This data clearly illustrates fluoride and iron throughout the site are attributable to off-site sources or are in concentrations normal to this area/region. Monitor well MW-15 is the only background well that was analyzed for aluminum. Concentrations above the NMWQCC standards of 6.11 mg/L indicate on-site aluminum concentrations ranging from 8.87 mg/L to 14 mg/L and the off-site downgradient well (monitor well MW-10) at 6.42 mg/L are similar to background concentrations normal to the area. Chloride concentrations range from 239 mg/L to 408 mg/L (with the average being 331 mg/L) based on the August 2002 analytical data (Figure 5); 156 mg/L to 356 mg/L (with the average being 263 mg/L) based on the October 2002 analytical data (Figure 6); and 221 mg/L to 510 mg/L (with the average being 374.5 mg/L) based on the February 2003 analytical data (Figure 6). This data illustrates chloride concentrations in groundwater in the on-site wells are similar to background concentrations. Section 9 on Migration of Chloride was completed to illustrate the potential for chloride being added to groundwater from on-site soil. Total unfiltered chromium concentrations in the background monitor well were only detected once above NMWQCC standards during the October 2002 sampling event in monitor well MW-9 at 0.086 mg/L.

6.0 DISPOSITION OF EXCAVATED MATERIAL

Approximately 1,420 cy of impacted material excavated from Area 3 "Trenched Area" was transported to J & L Landfarm in Hobbs, New Mexico for treatment. Excavated material associated with Area 3 SB-21 area remains stockpiled on-site. Two samples collected from this stockpile show concentrations of chloride ranging from 709 mg/kg to 798 mg/kg, chromium from 5.48 mg/kg to 5.58 mg/kg and TPH from 242 mg/kg to 272 mg/kg using EPA Method 418.1 and 59.8 mg/kg to 71.3 mg/kg using EPA Method 8015M. These concentrations do not present a risk of migration to groundwater and should be used to backfill the two Area 3 excavations. ?

Approximately 9,640 cy of impacted materials excavated from Area 2 were removed and transported to Sundance Services, Inc. in Eunice, New Mexico for disposal. Sundance Services, Inc. is an NMOCD approved facility for receiving contaminated material. An estimated 8,500 cy of impacted materials will be transported and disposed of at Sundance Services, Inc. The concrete removed from the dismantling of half of the bulk chemical containment area generated an estimated 3,120 cy of concrete debris that will require disposal. An additional 1,560 cy of concrete requiring disposal came from the dismantling of the concrete pad west of the warehouse, for a total of 4,580 cy of concrete debris.

7.0 POTENTIAL IMPACT OF CHLORIDE IN SOIL TO GROUNDWATER

7.1 Historical and Current Land Use

Groundwater in the Hobbs Area has historically been impacted by operations related to oil and gas development and production. The standard historical method of placing brine into unlined pits for evaporation has resulted in brine seepage into the shallow

unconfined aquifer. Some mixing will take place at the water table, but the greater density of brine will tend to move towards the lower part of the aquifer. The use of unlined pits continued in parts of New Mexico until the 1980s. Other causes of groundwater contamination via oil and gas operations include production and injection wells, pipelines, waste discharge from gas dehydrators, gas processing and oil refineries (McQuillan and Parker).

Other sources of groundwater contaminants include household septic tanks, controlled sewage and cesspool plants, agricultural activity, use and management of refined petroleum products, mining industry, packing plants and dairies and landfills.

Review of aerial photographs of the site and surrounding property clearly indicate the large volume of oil and gas activity that has been and is presently being conducted in the area. Numerous production and storage facilities, salt-water disposal wells, oil and gas wells dot the one-mile radius around the site. Most of these wells historically have had pits associated with them. Several oil and gas storage facilities as well as oil and gas wells are located up gradient or west of the site. These factors and the changing groundwater chloride concentrations in the onsite and offsite monitor wells strongly suggest potential historic and current migration of impacted groundwater (chloride) in the vicinity of this site.

7.2 Simulation of Chlorides Migration

Residual chloride concentrations in the top five feet of soil range from 103 mg/kg to 11,900 mg/kg based on samples collected by ETGI and 170 mg/kg to 12,428 mg/kg based on Enercon data.

Residual chloride concentrations below the excavated pit in Area 2 range from 89.5 mg/kg to 7620 mg/kg based on samples collected by ETGI and 57.4 mg/kg to 11,009 mg/kg based on Enercon data. To determine the potential of these residual concentrations in the soil to migrate to groundwater, R.T. Hicks Consultants, Ltd. were retained to simulate the transport of chlorides using the numerical model Hydrus - 1D (Appendix E). Three scenarios were simulated. Scenario 1 included entering site-specific data into the Hydrus - 1D model and calibrating the model.

Scenario 2 addressed the pit area where the removal of chlorides from the surface down to 18 feet bgs reduced the calculated chloride load. The planned remedial approach for this area required backfilling Area 2 excavation with clean backfill material and placing a one (1) foot thick layer of compacted clay at or near the surface to prevent infiltration of precipitation. This is shown to adequately remove the transport mechanism for mobilization of chloride.

Scenario 3 addressed the residual chloride concentrations in soil from ground surface to five feet bgs. The planned remedial approach for this scenario is to minimize the infiltration of precipitation. As mentioned in Scenario 2, this will remove the transport

mechanism for mobilization of chloride. Engineering controls will be employed to affect this approach as practically and economically as possible.

The concentrations of chloride applied in these three scenarios were the highest concentrations detected at the site representing a worst-case simulation. Simulation of the rate of migration of chloride to groundwater was based on site data as well as regional data and/or professional experience. The hydraulic saturated conductivity of 0.7 cm/day determined by laboratory analysis was used in the model.

This saturated hydraulic conductivity decreases dramatically with decreasing soil water content. The capillaries that constitute the pore space are subject to Poiseuille's Law where the flux of water (g) (in a capillary) is directly proportional to the radius squared (r^2). In addition this chloride flux rate exists only during and directly after heavy precipitation. This transient flow undergoes three phases: 1. Infiltration. 2. Redistribution. 3. Static. The upper zone controls the infiltration rate. The application rate (rainfall) can be decreased by a graded and compacted surface to facilitate runoff or by the natural saturated hydraulic conductivity of the shallow soil. The infiltration rate will finally reach the asymptotic value of saturated hydraulic conductivity, and results in ponding or runoff. During the redistribution phase, the soil water flux decreases with time to zero. Any impermeable soil layer has a strong impact on the duration of the redistribution phase. During the static phase, the soil water flux rate is near zero and is affected by losses of water due to evaporation (or plant intake). Subsequently, lower depths within the unsaturated zones are beyond the influence of the transient conditions at the surface and soil water flow will occur under unsaturated conditions.

Based on this very conservative model using maximum chloride concentrations and available saturated hydraulic conductivity in Scenario 1, the simulation indicates that the potential for chloride concentrations to migrate to groundwater exist.

Scenario 2 indicates a maximum possible increase of chloride concentrations of 95 mg/L in a period of 32 years can potentially occur.

Scenario 3 illustrated a reduction of infiltration of precipitation by 70%, resulting in a potential increase of chloride concentrations by 15 mg/kg after approximately 200 years. Essentially, the chloride is immobilized in the vadose zone by the removal of a transport media (water flux).

Field data representing residual soil concentrations outside any of the excavated areas show only one sample with chloride concentrations above 10,000 mg/kg (Sample 3 - 0001 - A, collected 9/16/00 by Enercon) and an additional sample showed 8632 mg/kg (18 - 0305 - A, collected 9/16/00). All other samples were below 5166 mg/kg for chloride. These model simulations would be more accurate if the chloride load was calculated using data representative of the average site conditions versus the worst-case situation.

The releases of chloride onto and into the soil surface are believed to have occurred

during historical operations. Based on present conditions, the entire yard has been covered with a compacted caliche layer and has been graded to prevent ponding. Champion has applied compacted caliche layers several times during their operational period. Based on the yard's current construction, a reduction of infiltration (by precipitation) has already been implemented. Compaction of either sandy (caliche) soils or clayey soils generally result in a decrease of permeability by approximately 70 percent.

7.3 Compaction of Soil

Compaction of soil results in increased sheer strength of soil reduced compressibility and reduced permeability. This occurs as the volume of voids in soil is removed resulting in an increase in the dry density of the soil. Compaction with water initially results in higher soil weights but after the optimal water content point is reached, additional water will hinder compaction.

The degree of compaction achieved generally rises with increased efforts at compaction. However, there are only minor gains (increases) in dry density for additional efforts in compaction after the initial compaction effort.

Soil infiltration rates measured in laboratory indicate compacted sand decreases infiltration rates to an average 1.5 inches/hour from 13.5 inches/hour in sand that is not compacted, for 120-minute storm duration. (Pitt, Chen and Clark) Subsequently, the layers of compacted sandy caliche at the site should more than meet the requirements of decreasing infiltration by 50%. -?

For compacted clayey soil, the average rate decreased to 0.2 inches/hour from 9.3 inches/hour in dry non- compacted clay. This illustrates that a one foot compacted clay layer over the backfilled excavation of Area 2, will effectively reduce the rate of infiltration, greater than 50%. -?

8.0 RISK ASSESSMENT

A risk assessment was conducted to determine if the residual concentrations of COC left in the soil below 18 feet in Area 2 have a potential to present risk to any on-site or off-site receptors.

Exposure pathways through groundwater, soil, and air are identified to evaluate risks for both potential and actual receptors. Potential on-site receptors of concern include:

- Construction workers via inhalation
- Site visitors via inhalation
- Groundwater via ingestion

Potential off-site receptors of concern include:

- Residents via inhalation or ingestion
- Water wells via groundwater

All COC were screened utilizing the Tier 1 Tables provided by NMED and Tier 1 Risk Based Screening Levels (RBSL) calculated in the RBCA Tool Kit for Chemical Releases modeling program. For contaminants that exceeded the Tier 1 evaluation, a Tier 2 risk-based assessment for each COC was evaluated to develop site-specific target limits (SSTL). The complete Risk Assessment Report is provided in Appendix F.

The COCs evaluated for Tier 2 risk assessment are chromium, chromium VI, magnesium, benzene, and TPH. For each exposure pathway, the SSTL were calculated using the maximum concentration of each COC.

For groundwater ingestion, the only COC that poses a human health risk of onsite ingestion of groundwater or potential offsite migration is chromium VI. The onsite SSTL calculated for chromium VI is 0.039 mg/L and offsite SSTL is 0.11 mg/L. Monitor wells MW-4, MW-6, and MW-13 have exhibited concentrations above the SSTL.

The risk assessment also indicates that there is a potential of residual benzene in the subsurface soils leaching to groundwater. The calculated on and offsite SSTL for benzene are 0.36 mg/kg and 0.98 mg/kg, respectively. Soil borings 9, 10, 14, 15, and SB-41 have concentrations above the onsite SSTL. Soil borings, 9, 10, 13, and SB-41 have concentrations above the offsite SSTL. To date, no benzene contaminants have been detected in the groundwater. To assist in preventing further leaching of benzene, the chloride simulation illustrates the remedial option of limiting infiltration of precipitation will also eliminate the medium of transport. Residual benzene concentrations will degrade by natural attenuation and therefore will not present a risk to groundwater.

A potential for onsite inhalation of benzene volatiles in the soil is possible in the area around soil boring 13. The onsite SSTL for benzene volatilizing to air is 3 mg/kg. Soil boring 13 at 18-20' has a benzene concentration of 3.51 mg/kg.

All other contaminants evaluated for either Tier 1 screening levels or Tier 2 SSTL were below the risk levels established or calculated for this site. A complete review of all contaminants and their RBSL and/or SSTL is provided in the Risk Assessment Report in Appendix F.

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9.0 CONCLUSIONS

Environmental Technology Group, Inc. (ETGI) has completed extensive soil investigations and remediation and groundwater investigations to address the contaminants detected in the soil and groundwater at the Champion facility in Hobbs, New Mexico. Based on the field work completed, analytical data collected, modeling of chloride migration, and the risk assessment report for COC, the following conclusions are made:

9.1 SOIL REMEDIATION AND ASSESSMENT

- Excavation activities at the site in Area 2 have resulted in the removal of known impacted soil to the extent practicable. COC that have penetrated the massive caliche through cracks and fractures remain in the subsurface zone between 18 feet bgs to 50 feet bgs. Hydrocarbon concentrations in this zone range from <10 mg/kg to 30,000 mg/kg, chromium concentrations range from 2.6 mg/kg to 13.4 mg/kg, and chloride concentrations range from 38.7 mg/kg to 11,009 mg/kg. Concentrations of bottom hole and sidewall samples are below the concentration that would present a risk of leaching to groundwater. Subsequently Area 2 excavation should be backfilled — ?? LINER? (SEE pg 17)
- Excavation activities associated with Area 3 have resulted in the removal of all hydrocarbon-impacted soil above 496 mg/kg, as illustrated in the 30+ confirmation samples collected and analyzed to date. Chloride concentration in residual soils associated with Area 3 range from 88.6 mg/kg to 11,900 mg/kg. Modeling of chloride migration was completed on the highest concentrations of chlorides detected at 11,009 mg/kg (Enercon Data). The chloride migration simulations in the subsurface illustrates in Scenario 2 that these residual concentrations are not conducive to migration to groundwater at concentrations greater than 95mg/kg. The unsaturated flow conditions that exist 10 feet bgs to the capillary zone above groundwater (55 feet) has a significantly lower unsaturated conductivity than the saturated conductivity of 0.7 cm/day (8.5E-6 cm/s), concluding that the concentration of chlorides in the soil in Area 3 will not migrate to groundwater in the next 200 years. The addition of a compacted clay layer will further reduce infiltration of precipitation to eliminate the chloride transport medium. > ? (SEE pg 29 NO LINER?)
- The Hydrus -1D modeling further illustrates the chloride concentrations in the shallow subsurface soils (0-5 ft bgs) will not cause an increase in chloride concentrations greater than 12 mg/l in groundwater, if a 70% reduction of infiltration can be accomplished. This reduction in infiltration has been completed by the compacted caliche surface placed over the entire yard. > ?
- Modeling migration through the subsurface using chloride concentrations is affective to demonstrate that other COC at the site have a lower probability of migration. Chloride does not adhere to clay, organic material or mineralize to oxides like metal ions and it does not biologically degrade like hydrocarbons. Eliminating the chloride transport mechanism by minimizing precipitation

infiltration, also eliminates the potential for metals and hydrocarbons to migrate to groundwater.

- The soil samples collected from under the remaining concrete pad on 2/18/03 contained concentrations of chromium at 10.2 to 10.9 mg/kg, lead at 22.6 to 23.3 mg/kg and arsenic at 17.7 to 18.9 mg/kg. The concentrations for lead and arsenic were the highest detected during the investigation. However, the possibility of migration has been diminished by the concrete pad. The concrete pad functions as a cap over the impacted area and eliminates the possibility of percolating meteoric waters, which would cause these contaminants to migrate.
- The septic system leachfield line was removed and soil samples collected from two locations along and under the former leach line. Soil samples were also collected from boring SB-52 south of the leachfield. These samples did not contain elevated concentrations of chlorides, chromium or TPH. New leachfield lines were installed north of the former leachfield lines and are currently in use.
- 1,420 cy of impacted materials excavated from Area 3 were removed and transported to J & L Landfarm in Hobbs New Mexico for treatment and disposal. All excavated materials were classified and profiled as non-hazardous based on analytical data.
- 9640 cy of impacted materials excavated from Area 2 was transported to Sundance Services, Inc. in Eunice, New Mexico for disposal.
- The one foot compacted clay layer over the backfilled excavated Area 2 will decrease the possibility of residual contaminant migration by eliminating the entry of precipitation to the *insitu* contaminants.
- Total chromium concentrations in the soil at the site range from 1.59 mg/kg to 28.4 mg/kg. Background chromium concentrations reviewed in RODS database range from 26.1 to 200 mg/kg. Based on this data, removal or treatment of soil for chromium is not required at this site.
- The benzene concentrations in the subsurface soils around soil borings SB-9, SB-10, SB-13, SB-14, SB-15, and SB-41 have a potential to leach into the groundwater on and offsite. A clay cap over these locations will assist in stopping further migration of the contaminants by preventing precipitation from leaching into the subsurface.
- Risk assessment completed for the site indicate the concentrations of hexavalent chromium in the soil that would have a potential to leach to groundwater to produce a dissolved concentration of hexavalent chromium above the allowable risk level for hexavalent chromium are above 50mg/kg. Total chromium concentrations in the soil at the site range from 1.59 mg/kg to 13.4 mg/kg. Background chromium concentrations reviewed in RODS database range from 26.1 to 200 mg/kg. Based on this data removal or treatment of soil for chromium is not required at this site.
- The hydrocarbon analysis by EPA Method 8015m ext. for Aliphatics and Aromatics, of a soil sampling containing 28,000 mg/kg TPH, by EPA method 418.1 representing the worst-case scenario, was used for risk assessment. The risk assessment completed for the risk from residual hydrocarbons in soil illustrates these concentrations are protective of leaching to groundwater and volatilization to the out door air.

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9.2 GROUNDWATER ASSESSMENT

- Sixteen (16) monitor wells have been installed on or off-site to delineate the groundwater impact at this site. Four (4) monitor wells represent background wells (MW-1, MW-7, MW-9 and MW-15). Monitor well MW-10 represents an off-site downgradient well, while on-site monitor wells MW-4, MW-5, MW-13 and MW-14 define the total dissolved chromium located in the southeast corner of the site. Monitor wells MW-6, MW-11, MW-12, and MW-16 define the total dissolved chromium concentration of Area 2.
- The hexavalent chromium concentrations in the groundwater in areas around monitor wells MW-4, MW-6 and MW-13 are above acceptable risk-based target concentrations for onsite groundwater consumption. There is also a potential for these concentrations to migrate off-site.
- Concentrations of total dissolved chromium upgradient of monitor well MW-4 in monitor well MW-13 are above NMWQCC standards. The source of these chromium concentrations has yet to be identified or delineated.
- Distribution of concentrations of total dissolved chromium at and around monitor well MW-6 are defined by monitor wells MW-8, MW-12 and MW-16.
- VOCs initially detected in groundwater are presently all below NMWQCC standards.
- Total **unfiltered** chromium concentrations in groundwater samples range from <0.002 mg/L to 0.333 mg/L. Total **dissolved** chromium concentrations from water samples range from <0.011 mg/L to 0.281 mg/L. Concentrations above NMWQCC standards for total dissolved chromium were observed in monitor wells MW-4, MW-6 and MW-13. Chloride concentrations in groundwater samples ranged from 156 mg/L to 658 mg/L. Background chloride concentrations range from 156 mg/L to 510 mg/L with average background concentrations of 312 mg/L.

10.0 RECOMMENDATIONS:

ETGI, on behalf of Champion, has completed extensive soil and groundwater investigations and soil remediation. Based on the field work completed, analytical data collected and modeling of chloride migration, the risk assessment report for chromium and hydrocarbons and the conclusion presented above, the following recommendations are made:

- To demonstrate the accuracy of conclusions presented in the risk assessment and chlorides modeling, ETGI will collect quarterly groundwater samples from monitor wells MW-2, MW-6, MW-8, MW-11, MW-12 and MW-16 to determine if concentrations of COC (chromium, lead, arsenic, manganese, BTEX and TPH) detected the soil are leaching to groundwater or are increasing in concentrations, and have the potential to migrate off-site from Area 2. ETGI will collect data to determine if subsurface conditions are conducive to a reducing environment to


NEED 150 PLETH (3012)
MAPS - COC'S CL

facilitate the change of soluble chromium to an insoluble chromium compound. An additional monitor well will be installed directly east of monitor well MW-12 just inside the fence to demonstrate chromium concentrations above NMWQCC limits are not migrating off the property in groundwater. If concentrations of chromium in groundwater exceed NMWQCC limits at monitor well MW-12, then install an *insitu* groundwater treatment system that creates a reducing environment in groundwater. The reducing environment can be created via injection of a product to enhance microbial and chemical reduction of soluble chromium to an insoluble chromium compound. This injection zone should be directly east of monitor well MW-12. A pilot test should be completed to determine the spacing of the injection wells. Champion can choose to establish a treatment zone between monitor wells MW-6 and MW-12 prior to detection of chromium above NMWQCC standards in monitor well MW-12.

SE
AREA

- Concentrations of total dissolved chromium in groundwater exceed NMWQCC standards in monitor wells MW-4 and MW-13 based on the samples collected in the February 2003 sampling event. Based on these concentrations, a groundwater treatment zone should be created in the southeast corner of the property. This chromium treatment zone will require the completion of a pilot test to determine the spacing of the injection wells. Upon completion of the pilot test, the chromium treatment zone should be created (Figure 12). This treatment zone will function initially to chemically reduce soluble chromium to an insoluble chromium compound. The treatment zone will also function as a barrier because it will treat dissolved chromium in the groundwater as it passes through this zone. Monitor wells MW-4, MW-5, MW-10, MW-13 and MW-14 should be sampled quarterly to monitor the progress of the chromium treatment zone.
- If dissolved concentrations are detected at 0.04 mg/l or above in adjoining property residential wells or onsite active water wells, the immediate corrective action and public protection plan will be implemented and a new domestic water supply will be installed to provide potable water.
- To determine if a source of chromium exists in the soil upgradient of monitor well MW-13, borings should be completed and converted into temporary piezometers (Figure 11). Soil and groundwater samples should be collected and analyzed for chromium.
- Slug test should be completed to determine the site-specific hydraulic conductivity, so the rate of groundwater movement can be more accurately determined. Groundwater modeling should be completed to determine the rate of migration of chromium in groundwater.
- Address Area 2 by placing a one-foot thick compacted clay liner at or near the surface of the excavation after backfilling and grading the surface to minimize infiltration of precipitation.
- Address Area 3 by backfilling the excavation, compacting and grading to prevent ponding of precipitation.
- Repair Bulk Tank and Drum Storage Area and provide with a permanent secondary containment retaining wall.

SEE Pg 26

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- Establish a procedure to collect all fluids that are placed into the sink in the laboratory to prevent them entering the new leachfield. The fluids collected should be characterized and disposed to meet the discharge plan for the site.

11.0 REFERENCES

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TABLES

Table 1
CONCENTRATIONS OF METALS IN GROUNDWATER/SOIL

Champion Technologies
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

*All soil concentrations are in mg/kg
All water concentrations are in mg/L*

SAMPLE DATE	SAMPLE LOCATION	SAMPLE MATRIX	EPA SW846-6010B, 7471A, 6020																													
			Aluminum	Arsenic	Dissolved Arsenic	Barium	Boron	Cadmium	Dissolved Calcium	Calcium	Total Unfiltered Chromium	Hexavalent Chromium	Total Dissolved Chromium	Cobalt	Copper	Iron	Lead	Dissolved Lead	Dissolved Magnesium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Dissolved Potassium	Potassium	Selenium	SILICA	Silver	Dissolved Sodium	Sodium	Zinc
07/25/02	S.S. 1 Wall 5'	Soil		1.61		79.2		0.403		107000	12.9				1.57	2450	1.94			2070	15.7	<0.10				288	<0.320		<0.160		2220	23.3
07/25/02	S.S. 2 Wall 8'	Soil		1.89		101		0.492		62000	4.42				2.15	3240	1.24			4140	18.2	<0.10				261	<0.320		<0.160		2450	11.3
07/25/02	S.S. 3 Wall 3'	Soil		4.34		758		0.34		166000	2.1				1.71	1240	<0.880			2020	14.3	<0.10				504	<0.320		<0.160		8160	10.9
07/25/02	S.S. 4 Wall 3'	Soil		3.42		210		0.329		156000	1.99				1.9	2060	1.12			2300	16.2	<0.10				760	<0.320		<0.160		6600	10.4
07/25/02	S.S. 5 Wall 3'	Soil		2.12		385		0.54		141000	3.45				2.5	2950	1.29			2300	24.4	<0.10				340	<0.320		<0.160		3110	10.8
07/25/02	S.S. 6 Wall 4'	Soil		1.2		355		0.325		184000	2.54				1.77	2180	1.97			1630	15.2	<0.10				314	<0.320		<0.160		2620	14.8
07/25/02	S.S. 7 Wall 4'	Soil		2.65		231		0.458		117000	2.9				2.5	2900	1.42			2220	21.8	<0.10				503	<0.320		<0.160		4730	11.4
07/25/02	S.S. 8 Wall 4'	Soil		1.8		241		0.257		185000	2.11				1.63	1380	1.06			2350	16.8	<0.10				271	<0.320		<0.160		5090	6.41
07/25/02	S.S. 9 Wall 4'	Soil		1.55		214		0.421		164000	2.54				1.31	2660	1.18			2100	20	<0.10				363	<0.320		<0.160		3520	7.3
07/25/02	S.S. 10 Wall 4'	Soil		2.03		219		0.172		214000	1.81				1.28	1150	<0.880			1700	8.76	<0.10				197	<0.320		<0.160		3120	4.84
07/25/02	S.S. 11 Btm 6'	Soil		1.44		100		0.757		78300	5.18				1.85	5060	2.06			2550	31.9	<0.10				225	<0.320		<0.160		1110	13.2
07/25/02	S.S. 12 Btm 10'	Soil		1.55		126		0.576		84600	3.35				1.46	3420	1.49			1600	23.8	<0.10				509	<0.320		<0.160		3080	9.39
07/25/02	S.S. 13 Btm 4'	Soil		1.6		335		0.724		187000	5.11				3.49	4570	1.84			2270	48.8	<0.10				300	<0.320		<0.160		3320	14.5
07/25/02	S.S. 14 Btm 10'	Soil		<0.640		263		0.379		61800	2.03				1.64	2280	0.946			3490	17.7	<0.10				345	<0.320		<0.160		2140	6.92
07/25/02	S.S. 15 Btm 10'	Soil		0.999				0.466		59900	4.28				3.09	3040	3.74			3000	34.3	<0.10				278	<0.320		<0.160		1460	13.2
07/25/02	S.S. 16 Btm 4'	Soil		<0.640		534		0.582		77200	5.6				3.6	3560	1.59			3410	26.1	<0.10				454	<0.320		<0.160		2570	13.4
07/25/02	S.S. 17 Btm 8'	Soil		1.24		233		0.534		64000	3.04				1.63	3300	1.08			2380	16.1	<0.10				280	<0.320		<0.160		1790	9.17
07/25/02	S.S. 18 Btm 8'	Soil		<0.640		274		0.681		130000	10.4				2.61	4510	2.97			2860	29.3	<0.10				395	<0.320		<0.160		2580	21.6
07/25/02	S.S. 19 Wall 4'	Soil		1.82		216		0.344		212000	2.64				3.28	2820	1.53			2750	20.2	<0.10				262	<0.320		<0.160		3100	13.3
07/25/02	S.S. 20 Wall 4'	Soil		1.51		155		0.296		184000	1.92				1.9	271	<0.880			5750	15	<0.10				442	<0.320		<0.160		4320	7.58
07/25/02	S.S. 21 Wall 4'	Soil		0.992		133		0.293		240000	1.7				0.573	2070	1.14			2200	19.7	<0.10				586	<0.320		<0.160		1590	6.49
07/25/02	S.S. 22 Wall 4'	Soil		<0.640		120		0.255		149000	1.59				0.633	1690	1.34			2070	14.2	<0.10				364	<0.320		<0.160		1520	6.08
07/25/02	S.S. 23 Wall 4'	Soil		<0.640		567		0.443		85100	2.48				1.55	3290	1.82			2040	15.4	<0.10				341	<0.320		<0.160		1750	8.56
07/25/02	S.S. 24 Wall 5'	Soil		<0.640		492		0.537		102000	4.66				2.73	3420	2.88			6330	26.6	<0.10				778	<0.320		<0.160		1070	15.3
07/25/02	S.S. 25 Btm 5'	Soil		<0.640		358		0.418		168000	2.71				3.05	2850	<0.880			4960	20	<0.10				271	<0.320		<0.160		1270	8.28
07/25/02	S.S. 26 Btm 5'	Soil		2.29		271		0.5		125000	2.59				1.88	3230	0.955			8600	21.3	<0.10				573	<0.320		<0.160		3680	9.14
07/25/02	S.S. 27 Btm 5'	Soil		<0.640		143		0.658		90800	4.29				1.77	4320	1.65			5680	24.7	<0.10				586	<0.320		<0.160		5120	11.4
07/25/02	S.S. 28 Btm 5'	Soil		<0.640		235		0.452		190000	3.16				1.96	2820	2.07			3200	23.4	<0.10				755	<0.320		<0.160		1220	14.6
07/25/02	SB-41 25'	Soil		2.77		266		<0.080		179000	13.4				7.64	4500	14.8			4220	35.6	<0.10				713	<0.320		<0.160		1730	59.3
07/26/02	SB-41 39'	Soil		1.07		131		0.497		110000	12.5				3.53	2710	2.74			1260	19.7	<0.10				420	<0.320		<0.160		863	36.4
07/26/02	MW-9 5'	Soil		1.84		75.4		0.251		121000	2.1				0.619	1860	1.51			1320	19.1	<0.10				428	<0.320		<0.160		842	5.56
07/29/02	MW-8 S.S. 15'	Soil		<0.40		281		0.397		109000	1.81				2.27	2180	0.85			1540	25.7	<0.10				104	<0.20		<0.10		1270	6.06
07/29/02	MW-8 S.S. 35'	Soil		<0.40		122		0.45		116000	2.3				0.618	2550	0.899			722	23.5	<0.10				106	<0.20		<0.10		978	7.36
07/29/02	MW-8 S.S. 55'	Soil		<0.40		21.4		0.552		49200	3.09				0.331	3290	1.6			193	40.7	<0.10				70.2	<0.20		<0.10		722	5.85
07/30/02	Area 3 N. Stockpile Excavation SS-1	Soil		1.84		465		0.866		119000	5.58				3.3	4360	4.22			960	37.6	<0.10				479	<0.20		<0.10		1700	19.3
07/30/02	Area 3 N. Stockpile Excavation SS-2	Soil		0.922		479		0.488		120000	5.48				3.31	4720	3.31			922	42.5	<0.10				486	<0.20		<0.10		2400	17.5
08/02/02	S.S. 1 East Wall/ South 6'	Soil		<0.40		88		0.282		107000	4.35				2.72	4230	1.4			2350	34.6	<0.10				399	<0.20		<0.10		1520	11.2
08/02/02	S.S. 2 East Wall/ North 6'	Soil		<0.40		105		0.34		54700	5.41				2.59	4673	1.36			5020	36.6	<0.10				626	<0.20		<0.10		758	12.6
08/02/02	S.S. 3 North Wall 8'	Soil		<0.40		93.5		0.344		53900	4.95				2.15	4835	0.999			4980	35.9	<0.10				530	<0.20		<0.10		1590	12.4

CONCENTRATIONS OF METALS IN GROUNDWATER/SOIL

Champion Technologies
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

SAMPLE DATE	SAMPLE LOCATION	SAMPLE MATRIX	EPA SW846-6010B, 7471A, 6020																													
			Aluminum	Arsenic	Dissolved Arsenic	Barium	Boron	Cadmium	Dissolved Calcium	Calcium	Total Unfiltered Chromium	Hexavalent Chromium	Total Dissolved Chromium	Cobalt	Copper	Iron	Lead	Dissolved Lead	Dissolved Magnesium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Dissolved Potassium	Potassium	Selenium	SILICA	Silver	Dissolved Sodium	Sodium	Zinc
08/02/02	MW-1	WATER		<0.008		1.75		0.002		121	0.038				0.028	17.6	<0.011			28.8	0.165	<0.002				8.2	<0.004		<0.002		163	0.093
08/02/02	MW-2	WATER								90.3										23.5						8.42					281	
08/02/02	MW-3	WATER		<0.008		0.092		<0.001		116	0.014				0.005	1.56	<0.011			25.1	0.064	<0.002				6.87	<0.004		<0.002		218	0.028
08/02/02	MW-4	WATER		<0.008		0.14		<0.001		99.2	0.305				0.003	0.777	<0.011			22	0.015	<0.002				7.48	<0.004		<0.002		239	0.015
08/02/02	MW-5	WATER		<0.008		0.179		<0.001		80.7	0.014				0.006	2.91	<0.011			21.8	0.056	<0.002				9.29	<0.004		<0.002		240	0.069
08/02/02	MW-6	WATER		<0.008		4.78		0.003		144	0.197				0.036	47.6	0.023			28.1	0.426	<0.002				8.92	<0.004		<0.002		251	0.626
08/02/02	MW-7	WATER		<0.008		0.068		<0.001		90.4	<0.002				0.006	2	<0.011			18.5	0.027	<0.002				8.84	<0.004		<0.002		139	0.026
08/02/02	MW-8	WATER		<0.008		0.225		<0.001		110	0.01				0.006	5.84	<0.011			28.3	0.082	<0.002				6.71	<0.004		<0.002		165	0.306
08/02/02	MW-9	WATER		<0.008		0.402		0.002		158	0.023				0.016	14.7	<0.011			34	0.178	<0.002				8.47	<0.004		<0.002		120	0.085
08/02/02	South DW	WATER		<0.008		0.066		<0.001		152	0.004				0.002	0.23	<0.011			29.9	0.006	<0.002				7.72	<0.004		<0.002		166	0.048
08/02/02	Champion DW	WATER		<0.008		0.077		<0.001		137	0.003				0.004	0.034	0.012			27.4	0.005	<0.002				6.76	<0.004		<0.002		130	0.056
08/08/02	Backfill Sundance	SOIL		19.2		405		0.406		207000	1.63				6.28	2600	2.24			1360	94.2	<0.10				137	<0.20		<0.10		953	5.93
08/12/02	Comp. Caliche Pit	Soil		12.1		154		1.04		74200	6.48				2.39	3990	10			1090	27.7	<0.10				106	<0.20		<0.10		654	10.1
09/24/02	MW-11 56'	Soil		<5.00							3.35						1.75															
09/24/02	Soil Sample #1	SPLP									<0.005																					
09/24/02	Soil Sample #1	Soil									3.56																					
09/25/02	Old Leach Line 9+ 4.5'	SOIL									10.2																					
09/25/02	Old Leach Line22' + 5'	SOIL									4.2																					
09/25/02	MW-12 15'	SOIL		<5.00							2.61						1.7															
	MW-12 45'	SOIL		<5.00							4.55						1.44															
09/25/02	MW-14 5'	SOIL		<5.00							4.28						3.69															
09/25/02	MW-14 30'	SOIL		<5.00							4.04						2.52															
09/25/02	MW-14 50'	SOIL		<5.00							3.21						2.32															
09/26/02	MW-15 5'	SOIL									5.73																					
09/26/02	MW-15 25'	SOIL									2.46																					
09/26/02	MW-15 40'	SOIL									5.88																					
09/27/02	SB-49 5'	SOIL		<5.00							2.51						<1.00															
	SB-49 40'	SOIL		<5.00							2.71						<1.00															

CONCENTRATIONS OF METALS IN GROUNDWATER/SOIL

Champion Technologies
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

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SAMPLE DATE	SAMPLE LOCATION	SAMPLE MATRIX	EPA SW846-6010B, 7471A, 6020																													
			Aluminum	Arsenic	Dissolved Arsenic	Barium	Boron	Cadmium	Dissolved Calcium	Calcium	Total Unfiltered Chromium	Hexavalent Chromium	Total Dissolved Chromium	Cobalt	Copper	Iron	Lead	Dissolved Lead	Dissolved Magnesium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Dissolved Potassium	Potassium	Selenium	SILICA	Silver	Dissolved Sodium	Sodium	Zinc
	SB-49 50'	SOIL		<5.00						2.75						<1.00																
	SB-57 10'	SOIL		<5.00						10.3						9.21																
	SB-57 45'	SOIL		<5.00						3.11						<1.00																
	SB-58 10'	SOIL		<5.00						37.2						46.1																
	SB-58 25'	SOIL		<5.00						3.62						<1.00																
09/27/02	SB-58 10'	SPLP								0.23						0.0885																
10/01/02	SB-47 5'	SOIL		<5.00						2.96						1.04																
	SB-50 10'	SOIL		<5.00						5.99						3.17																
	SB-50 25'	SOIL		<5.00						2.01						<1.00																
	SB-61 10'	SOIL		<5.00						4.22						2.38																
10/02/02	SB-52 5'	SOIL								2.27																						
	SB-52 25'	SOIL								2.27																						
	SB-52 45'	SOIL								2.6																						
	SB-55 5'	SOIL								3.25																						
	SB-55 20'	SOIL								3.57																						
	SB-55 40'	SOIL								3.19																						
	SB-56 5'	SOIL								5.62																						
	SB-56 20'	SOIL								5.57																						
	SB-56 40'	SOIL								2.8																						
	SB-64	SOIL		5.66						3.03						<1.00																
10/03/02	SB-53 40'	SOIL		<5.00						3.36						1.3																
	SB-53 49'	SOIL		<5.00						6.32						<1.00																
10/08/02	West Trench N @ 2.5'	SOIL								2.52																						
	West Trench Pipe @ 2.5'	SOIL								5.03																						
	West Trench S @ 2.5'	SOIL								3.42																						
10/09/02	MW-13 5'	SOIL								5.64																						
	MW-16 5'	SOIL								2.07																						
10/21/02	Off-Site DW	WATER		<0.050						<0.010						<0.010																
	On-Site DW	WATER		<0.050						<0.010						<0.010																
10/21/02	MW-1	WATER		<0.050						<0.010						<0.010																
	MW-2	WATER		<0.050						0.0144						<0.010																
	MW-3	WATER		<0.050						0.0207						<0.010																
	MW-4	WATER		<0.050						0.333						<0.010																
	MW-5	WATER		<0.050						0.0839						<0.010																
	MW-6	WATER		0.0559						0.254						<0.010																
	MW-6 *	WATER								0.309		0.05																				
	MW-7	WATER		<0.050						<0.010						<0.010																
	MW-8	WATER		<0.050						0.0225						<0.010																
	MW-9	WATER		<0.050						0.0859						<0.010																
	MW-9 *	WATER								0.109		<0.011																				
	MW-10	WATER	6.42	<0.050		<0.100	0.405	<0.005		115	0.0292			<0.025	<0.0125	4.61	<0.010			19	0.0498	<0.0002	<0.050	<0.025		8.49	<0.050	37.7	<0.0125		197	<0.025
	MW-11	WATER	14	<0.050		0.626	0.431	<0.005		329	0.0171			<0.025	<0.0125	13.7	<0.010			51.5	0.194	<0.0002	<0.050	<0.025		43	<0.050	35	<0.0125		164	0.0518
	MW-12	WATER	8.87	<0.050		0.241	0.536	<0.005		254	0.0539			<0.025	<0.0125	7.94	<0.010			41.9	0.09	<0.0002	<0.050	<0.025		13.1	<0.050	35.6	<0.0125		216	0.0894
	MW-13	WATER	7.02	<0.050		0.239	0.539	<0.005		153	0.0939			<0.025	<0.0125	6.08	<0.010			20.3	0.0668	<0.0002	<0.050	<0.025		7.25	<0.050	38.8	<0.0125		214	<0.025
	MW-14	WATER	13.9	0.0731		0.496	0.395	<0.005		218	0.0459			<0.025	<0.0125	11.1	<0.010			28.9	0.146	0.0009	<0.050	<0.025		12.9	<0.050	37.1	<0.0125		177	<0.025
	MW-15	WATER	6.11	<0.050		0.356	0.465	<0.005		165	0.0107			<0.025	<0.0125	7.13	<0.010			25.3	0.0856	<0.0002	<0.050	<0.025		8.81	<0.050	36.9	<0.0125		103	<0.025
	MW-16	WATER	10.6	<0.050		0.229	0.504	<0.005		297	0.0219			<0.025	<0.0125	9.74	<0.010			36.2	0.0937	<0.0002	<0.050	<0.025		12	<0.050	40.4	<0.0125		234	<0.025

CONCENTRATIONS OF METALS IN GROUNDWATER/SOIL

Champion Technologies
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

SAMPLE DATE	SAMPLE LOCATION	SAMPLE MATRIX	EPA SW846-6010B, 7471A, 6020																														
			Aluminum	Arsenic	Dissolved Arsenic	Barium	Boron	Cadmium	Dissolved Calcium	Calcium	Total Unfiltered Chromium	Hexavalent Chromium	Total Dissolved Chromium	Cobalt	Copper	Iron	Lead	Dissolved Lead	Dissolved Magnesium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Dissolved Potassium	Potassium	Selenium	SILICA	Silver	Dissolved Sodium	Sodium	Zinc	
11/13/02	MW-1	WATER									<0.010																						
	MW-3	WATER									0.0159	<0.01																					
	MW-4	WATER									0.272	0.296																					
	MW-4 *	WATER											0.281																				
	MW-6	WATER									0.138	0.047																					
	MW-6 *	WATER									0.156		0.05																				
	MW-7	WATER									<0.010																						
	MW-9	WATER									<0.010	<0.01																					
	MW-9 *	WATER									<0.010		<0.011																				
	MW-13	WATER									0.0741	0.059																					
	MW-16	WATER									<0.010	<0.01																					
	S.E. CORNER	WATER									0.275	0.285																					
	TRIP BLANK	WATER									<0.010																						
12/18/02	A-2 Bottom #1	SOIL		3.55		238		<0.500			8.29				4.48	6340	4.71				66.4	<0.19					<1.00		<0.200			16.2	
	A-2 Bottom #2	SOIL		2.54		446		<0.500			5.81				6.54	7260	3.59				68.6	<0.19					<1.00		<0.200			11.2	
	A-2 Bottom #3	SOIL		2.56		324		<0.500			6.04				3.04	4370	4.05				52.2	<0.19					<1.00		<0.200			11.2	
	A-2 Bottom #4	SOIL		2.2		464		<0.500			28.4 **				3.81	4350	5.68				58.8	<0.19					<1.00		<0.200			37.2	
02/18/03	East 14.5' - 15.5'	SOIL		18.9							10.2						23.3																
	Composit 4'	SOIL		17.7							10.9						22.6																
02/19/03	WChamp 21903 MW-1	WATER											<0.011																				
	WChamp 21903 MW-2	WATER											0.0134																				
	WChamp 21903 MW-3	WATER											0.0122																				
	WChamp 21903 MW-4	WATER											0.271																				
	WChamp 21903 MW-5	WATER											<0.011																				
	WChamp 21903 MW-6	WATER			<0.011								0.097				<0.011																
	WChamp 21903 MW-7	WATER											<0.011																				
	WChamp 21903 MW-8	WATER											<0.011																				
	WChamp 21903 MW-9	WATER											<0.011																				
	WChamp 21903 MW-10	WATER											0.0163																				
	WChamp 21903 MW-11	WATER			<0.011								<0.011				<0.011																
	WChamp 21903 MW-12	WATER			<0.011								0.0201				<0.011																
	WChamp 21903 MW-13	WATER											0.151																				
	WChamp 21903 MW-14	WATER			<0.011								<0.011																				
	WChamp 21903 MW-15	WATER											<0.011																				
	WChamp 21903 MW-16	WATER											<0.011																				
	WChamp Onsite 21903	WATER											<0.011																				
	WChamp Offsite 21903	WATER											<0.011																				
02/26/03	A2 W Wall Ext	SOIL		4.02		400		<0.500		106000	5.48				3.06	4190	2.75			9790	37.2	<0.19					1450	17.4		<0.200		1260	13.5
	A2 West Wall	SOIL				288		<0.500		129000	4.51				2.46	3360	<1.00			9670	30.7						1240	16.4		<0.200		660	12.8
	A2 NW Wall	SOIL		1.71		160		0.676		56300	6.78				2.81	5550	<1.00			6600	70.1	<0.19					1860	18.1		<0.200		1430	17.4
	A2 South Wall	SOIL		1.95		598		0.701		46500	7.98				3.63	5870	2.6			16600	50.8	<0.19					2420	20.7		<0.200		1080	18.4
	A2 SE Bench	SOIL		2.12		330		0.554		81600	5.83				3.56	4200	2.28			13100	37.6	<0.19					1580	17.4		<0.200		1130	14.5
	A2 WP Bottom	SOIL		2.02		335		<0.500		147000	4.8				2.63	2010	9.57			25500	36.1	<0.19					647	13.9		<0.200		945	1.9

* These samples were rerun for Total Unfiltered Chromium and/or Total Dissolved Chromium for comparative purposes

** This soil sample (split with NMOCD representatives) was not collected from in-place material.

Table 2

GENERAL CHEMISTRY IN GROUNDWATER / SOIL

Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

SAMPLE DATE	SAMPLE LOCATION	SAMPLE TYPE	FLUORIDE	CHLORIDE	SULFATE	NITRATE-N	NITRITE	BICARBONATE/CARBONATE	HYDROXIDE	pH	DISSOLVED CALCIUM	DISSOLVED MAGNESIUM	DISSOLVED POTASSIUM	DISSOLVED SODIUM	TOTAL DISSOLVED SOLIDS	ANION/CATION BALANCE (%)
07/25/02	S.S. 1 Wall 5'	Soil	<0.02	3280	56	6	<0.025	124/<0.10	<0.10	7.85						
07/25/02	S.S. 2 Wall 8'	Soil	<0.02	2970	237	15.5	<0.025	78/<0.10	<0.10	7.8						
07/25/02	S.S. 3 Wall 3'	Soil	<0.02	3500	90	3	<0.025	96/<0.10	<0.10	7.87						
07/25/02	S.S. 4 Wall 3'	Soil	<0.02	7620	282	<2.5	<0.025	175/<0.10	<0.10	7.88						
07/25/02	S.S. 5 Wall 3'	Soil	<0.02	2390	220	9.5	<0.025	95/<0.10	<0.10	8.28						
07/25/02	S.S. 6 Wall 4'	Soil	<0.02	2300	578	19	<0.025	100/<0.10	<0.10	8.19						
07/25/02	S.S. 7 Wall 4'	Soil	<0.02	3720	455	9	<0.025	225/20	<0.10	8.44						
07/25/02	S.S. 8 Wall 4'	Soil	<0.02	6910	318	25	<0.025	110/<0.10	<0.10	7.99						
07/25/02	S.S. 9 Wall 4'	Soil	<0.02	2660	374	23	<0.025	370/15	<0.10	8.57						
07/25/02	S.S. 10 Wall 4'	Soil	<0.02	2750	280	9	<0.025	215/<0.10	<0.10	7.98						
07/25/02	S.S. 11 Btm 6'	Soil	<0.02	665	328	10	<0.025	60/<0.10	<0.10	8.16						
07/25/02	S.S. 12 Btm 10'	Soil	<0.02	260	485	27	<0.025	225/<0.10	<0.10	8.02						
07/25/02	S.S. 13 Btm 4'	Soil	<0.02	3630	184	17.5	0.04	370/<0.10	<0.10	7.95						
07/25/02	S.S. 14 Btm 10'	Soil	<0.02	2570	7990	16.4	0.055	45/<0.10	<0.10	7.79						
07/25/02	S.S. 15 Btm 10'	Soil	<0.02	975	801	7	<0.025	110/<0.10	<0.10	8.08						
07/25/02	S.S. 16 Btm 4'	Soil	<0.02	4080	517	23	<0.025	45/<0.10	<0.10	7.7						
07/25/02	S.S. 17 Btm 8'	Soil	<0.02	1370	7840	6	<0.025	47/<0.10	<0.10	7.83						
07/25/02	S.S. 18 Btm 8'	Soil	<0.02	1950	7890	8	<0.025	40/<0.10	<0.10	7.88						
07/25/02	S.S. 19 Wall 4'	Soil	<0.02	1600	350	8	0.025	80/<0.10	<0.10	8.47						
07/25/02	S.S. 20 Wall 4'	Soil	<0.02	3370	525	16.5	<0.025	80/10	<0.10	8.43						
07/25/02	S.S. 21 Wall 4'	Soil	<0.02	443	218	<5.0	<0.20	90/70	<0.10	9.38						
07/25/02	S.S. 22 Wall 4'	Soil	<0.02	103	258	<5.0	<0.20	165/110	<0.10	9.7						
07/25/02	S.S. 23 Wall 4'	Soil	<0.02	133	259	<5.0	<0.20	800/100	<0.10	9.46						
07/25/02	S.S. 24 Wall 5'	Soil	<0.02	106	268	42	<0.20	120/20	<0.10	8.85						
07/25/02	S.S. 25 Btm 5'	Soil	<0.02	399	1050	10.5	<0.025	135/10	<0.10	8.7						
07/25/02	S.S. 26 Btm 5'	Soil	<0.02	3190	516	16.5	<0.025	80/5	<0.10	8.24						
07/25/02	S.S. 27 Btm 5'	Soil	<0.02	5500	184	12.5	<0.025	70/<0.10	<0.10	8.09						
07/25/02	S.S. 28 Btm 5'	Soil	<0.02	133	210	<5.0	<0.20	145/40	<0.10	9.49						
07/25/02	SB-41 25'	Soil	<0.02	162	162	12.4	0.11	409/<0.1	<0.10	8.13						
07/26/02	SB-41 39'	Soil	<0.02	421	86	4	0.05	200/<0.1	<0.10	8.07						
07/26/02	MW-9 5'	Soil	<0.02	73.9	98	<12.5	<0.25	265/<0.1	<0.1	8.54						
07/26/02	SB-41 39'	Soil	<0.02	421	86	4	0.05	200/<0.1	<0.1	8.07						
07/29/02	MW-8 S.S. 15'	Soil	7.00	88.6	203	32	0.067	77.8/22.2	<0.10	8.34						
07/29/02	MW-8 S.S. 35'	Soil	6.15	88.6	78.5	3.5	0.227	65/5	<0.10	8.41						
07/29/02	MW-8 S.S. 55'	Soil	4.15	88.6	58	2	0.144	37.5/5	<0.10	8.47						
07/30/02	Area 3 N. Stockpile Excavation SS-1	Soil	7.00	709	424	6.5	0.228	65/<0.10	<0.10	8.09						
07/30/02	Area 3 N. Stockpile Excavation SS-2	Soil	7.50	798	404	10	0.32	67.5/<0.10	<0.10	8.14						

GENERAL CHEMISTRY IN GROUNDWATER / SOIL

Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

*All soil concentrations are in mg/kg.
All water concentrations are in mg/L*

SAMPLE DATE	SAMPLE LOCATION	SAMPLE TYPE	FLUORIDE	CHLORIDE	SULFATE	NITRATE-N	NITRITE	BICARBONATE/CARBONATE	HYDROXIDE	pH	DISSOLVED CALCIUM	DISSOLVED MAGNESIUM	DISSOLVED POTASSIUM	DISSOLVED SODIUM	TOTAL DISSOLVED SOLIDS	ANION/CATION BALANCE (%)
08/02/02	MW-1	Water	3.70	408.0	298.0	1.4	<0.001	281/<0.10	<0.10							
08/02/02	MW-2	Water	3.74	372	271.0	1.7	<0.001	281/0.10	<0.10							
08/02/02	MW-3	Water	2.38	381	266	0.7	<0.001	233/<0.10	<0.10							
08/02/02	MW-4	Water	2.42	354	256	1.2	<0.001	226/<0.10	<0.10							
08/02/02	MW-5	Water	3.08	346	233	<0.50	<0.001	254/<0.10	<0.10							
08/02/02	MW-6	Water	2.52	443	270	0.90	<0.001	320/<0.10	<0.10							
08/02/02	MW-7	Water	1.94	239	248	1.40	<0.001	204/<0.10	<0.10	7.12					889	
08/02/02	MW-8	Water	2.46	257	274	1.80	<0.001	254/<0.10	<0.10	7.22					1150	
08/02/02	MW-9	Water	2.00	346	216	6.80	<0.001	234/<0.10	<0.10	7.12					1360	
08/02/02	SOUTH DW	Water	2.24	372	280	1.50	<0.001	169/<0.10	<0.10							
08/02/02	CHAMPION DW	Water	1.58	319	197	1.60	<0.001	186/<0.10	<0.10							
08/02/02	S.S. 1 East Wall/ South 6'	SOIL	3.40	702	224	18.00	1.5	105/<0.10	<0.10							
08/02/02	S.S. 2 East Wall/ North 6'	SOIL	16.30	<50.0	141	2.50	6.25	85/10	<0.10							
08/02/02	S.S. 3 East Wall/ North 8'	SOIL	16.90	295	6740	7.50	1	27.5/<0.10	<0.10							
08/08/02	Backfill Sundance	SOIL	7.25	<20.0	93	<2.5	0.05	450/<0.10	<0.10							
08/12/02	Comp. Caliche Pit	SOIL	5.45	<50.0	324	14.20	0.257	56.0/<0.10	<0.10							
09/20/02	Soil Sample #4	SOIL		6990												
	Soil Sample #8	SOIL		738												
	Soil Sample #11	SOIL		145												
	Soil Sample #27	SOIL		837												
09/20/02	Soil Sample #4	SPLP		520												
	Soil Sample #8	SPLP		128												
	Soil Sample #11	SPLP		33.6												
	Soil Sample #27	SPLP		240												
09/24/02	MW-11 56'	SOIL		37.6												
09/25/02	Old Leach Line 9'	Soil		64.5												
	Old Leach Line 22' + 5'	Soil		52.3												
09/25/02	MW-12 15'	Soil		390												
	MW-12 45'	Soil		43.7												

GENERAL CHEMISTRY IN GROUNDWATER / SOIL

Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

SAMPLE DATE	SAMPLE LOCATION	SAMPLE TYPE	FLUORIDE	CHLORIDE	SULFATE	NITRATE-N	NITRITE	BICARBONATE/CARBONATE	HYDROXIDE	pH	DISSOLVED CALCIUM	DISSOLVED MAGNESIUM	DISSOLVED POTASSIUM	DISSOLVED SODIUM	TOTAL DISSOLVED SOLIDS	ANION/ CATION BALANCE (%)
09/25/02	MW-14 5'	SOIL		61.4												
09/25/02	MW-14 30'	SOIL		575												
09/25/02	MW-14 50'	SOIL		127												
09/26/02	MW-15 5'	SOIL		46.7												
09/26/02	MW-15 25'	SOIL		37.4												
09/26/02	MW-15 40'	SOIL		137												
09/27/02	SB-49 5'	SOIL		107												
	SB-49 40'	SOIL		19.7												
	SB-49 50'	SOIL		12.6												
	SB-57 10'	SOIL		536												
	SB-57 45'	SOIL		491												
	SB-58 10'	SOIL		713												
	SB-58 25'	SOIL		562												
10/01/02	SB-47 5'	SOIL		2940												
	SB-50 10'	SOIL		2066												
	SB-50 25'	SOIL		3020												
	SB-61 10'	SOIL		27.4												
10/02/02	SB-52 5'	SOIL		52.7												
	SB-52 25'	SOIL		43.7												
	SB-52 45'	SOIL		38.7												
	SB-55 5'	SOIL		249												
	SB-55 20'	SOIL		390												
	SB-55 40'	SOIL		92												
	SB-56 5'	SOIL		33.3												
	SB-56 20'	SOIL		139												
	SB-56 40'	SOIL		61.9												
	SB-64	SOIL														
10/03/02	SB-53 40'	SOIL		462												
	SB-53 49'	SOIL		89.5												
10/08/02	West Trench N @ 2.5'	SOIL		708												
	West Trench Pipe @ 2.5'	SOIL		180												
	West Trench S @ 2.5'	SOIL		4130												
10/09/02	MW-13 5'	SOIL		2280												
	MW-13 10'	SOIL		501												
	MW-16 5'	SOIL		2820												
10/10/02	MW-10 5'	SOIL		240												

GENERAL CHEMISTRY IN GROUNDWATER / SOIL

Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

SAMPLE DATE	SAMPLE LOCATION	SAMPLE TYPE	FLUORIDE	CHLORIDE	SULFATE	NITRATE-N	NITRITE	BICARBONATE/CARBONATE	HYDROXIDE	pH	DISSOLVED CALCIUM	DISSOLVED MAGNESIUM	DISSOLVED POTASSIUM	DISSOLVED SODIUM	TOTAL DISSOLVED SOLIDS	ANION/CATION BALANCE (%)
	MW-10 10'	SOIL		153												
	MW-10 20'	SOIL		243												
	MW-10 40'	SOIL		7.8												
10/21/02	Off-Site DW	WATER		386												
	On-Site DW	WATER		290												
10/21/02	MW-1	WATER		356												
	MW-2	WATER		397												
	MW-3	WATER		464												
	MW-4	WATER		377												
	MW-5	WATER		508												
	MW-6	WATER		469												
	MW-7	WATER		235												
	MW-8	WATER		304												
	MW-9	WATER		305												
	MW-10	WATER	2.82	260	163	4.30				7.5	110	17	7.14	226	1004	
	MW-11	WATER	2.31	298	205	1.12				7.5	96.8	45	38.6	161	1048	
	MW-12	WATER	2.63	357	198	5.91				7.2	141	42.8	10.7	218	1322	
	MW-13	WATER	2.61	244	186	4.63				7.7	79.6	16.6	6.34	238	1004	
	MW-14	WATER	2.70	272	176	5.21				7.5	117	21	8.14	184	1086	
	MW-15	WATER	2.61	156	172	5.33				7.4	110	22.7	5.53	103	882	
	MW-16	WATER	2.10	416	171	5.82				7.3	126	29.3	7.32	218	1210	
11/13/02	MW-6	WATER		390												
	MW-15	WATER		200												
02/18/03	East 14.5' - 15.5'	SOIL		793												
	Composite 4"	SOIL		532												
02/19/03	WChamp 21903 MW-1	WATER		435												
	WChamp 21903 MW-2	WATER		384												
	WChamp 21903 MW-3	WATER		658												
	WChamp 21903 MW-4	WATER		435												
	WChamp 21903 MW-5	WATER		476												
	WChamp 21903 MW-6	WATER		533												
	WChamp 21903 MW-7	WATER		510												
	WChamp 21903 MW-8	WATER		397												
	WChamp 21903 MW-9	WATER		332												
	WChamp 21903 MW-10	WATER		355												
	WChamp 21903 MW-11	WATER		298												
	WChamp 21903 MW-12	WATER		353												
	WChamp 21903 MW-13	WATER		332												
	WChamp 21903 MW-14	WATER		342												
	WChamp 21903 MW-15	WATER		221												
	WChamp 21903 MW-16	WATER		474												
	WChamp Onsite 21903	WATER		347												
	WChamp Offsite 21903	WATER		479												

GENERAL CHEMISTRY IN GROUNDWATER / SOIL

Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

SAMPLE DATE	SAMPLE LOCATION	SAMPLE TYPE	FLUORIDE	CHLORIDE	SULFATE	NITRATE-N	NITRITE	BICARBONATE/CARBONATE	HYDROXIDE	pH	DISSOLVED CALCIUM	DISSOLVED MAGNESIUM	DISSOLVED POTASSIUM	DISSOLVED SODIUM	TOTAL DISSOLVED SOLIDS	ANION/CATION BALANCE (%)
02/24/03	D-30	SOIL		1840												
	D-34	SOIL		11900												
	D-35	SOIL		3760												
	D-37	SOIL		768												
02/26/03	A2 W Wall Ext...	SOIL	4.41	1020	2160	6.69	<10									
	A2 West Wall		4.15	1260	76.2	13.5	<10									
	A2 NW Wall		4.99	1670	1880	5.99	<40									
	A2 South Wall		16.39	456	67.5	11.00	<10									
	A2 SE Banch		6.68	780	276	2.62	<10									

ANALYTICAL METHODS

Fluoride	340.1/6020
Chloride	9253/6020
Sulfate	375.4/6020
Nitrate	353.3/6020
Nitrite	9056/6020
Bicarbonate / Carbonate	305/6020
Hydroxide	310.1
pH	9045C
TDS	160.1
Anion/Cation	1030F

Table 3

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER / SOIL

Champion Technology, Inc.

Hobbs, New Mexico

ETGI Project # CH2100

All soil concentrations are in mg/kg

All water concentrations are in mg/L

ANALYTE (EPA SW846-8260)

SAMPLE DATE	07/25/02	9/27/02	08/02/02	08/02/02	08/02/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	2/19/03	2/19/03	2/19/03	2/19/03
SAMPLE LOCATION	SB-41 25'	SB-58 10'	MW-7	MW-8	MW-9	MW-6	MW-8	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	WChamp 21903 MW 16	WChamp 21903 MW 6	WChamp 21903 MW 11	WChamp 21903 MW 12
SAMPLE MATRIX	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dichlorodifluoromethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloromethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vinyl chloride	<0.2	0.873	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromomethane	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloroethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichlorofluoromethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acetone	<0.2	<5.000	<0.001	<0.001	<0.001	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,1-Dichloroethene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iodomethane	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon Disulfide	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methylene Chloride	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
trans-1,2-Dichloroethene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Acrylonitrile	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Methyl tert-butyl ether	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethane	<0.2	0.864	<0.001	<0.001	<0.001	0.005	<0.001	<0.001	0.002	0.001	<0.001	<0.001	<0.001	0.002	0.002	0.003	0.001	0.003
Vinyl Acetate	<0.2		<0.001	<0.001	<0.001													
2-Butanone	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
cis-1,2-dichloroethene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromochloromethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloroform	<0.2	<0.005	<0.001	0.002	<0.001	0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
2,2-Dichloropropane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	<0.2	<0.005	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
1,1-Dichloropropene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon Tetrachloride	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Benzene	1.300	2.400	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2 Dichloroethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trichloroethene	<0.2	<0.005	<0.001	<0.001	<0.001	0.005	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	0.001
1,2-Dichloropropane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Dibromomethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chloroethyl vinyl ether	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Hexanone	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methyl 2-Pentanone	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibromochloromethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
cis 1,3 Dichloropropene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
trans 1,3-Dichloropropene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,2-Trichloroethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Toluene	4.310	7.890	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichloropropane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorodibromomethane																		

CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER / SOIL

Champion Technology, Inc.

Hobbs, New Mexico

ETGI Project # CH2100

All soil concentrations are in mg/kg

All water concentrations are in mg/L

ANALYTE (EPA SW846-8260)

SAMPLE DATE	07/25/02	9/27/02	08/02/02	08/02/02	08/02/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	2/19/03	2/19/03	2/19/03	2/19/03
SAMPLE LOCATION	SB-41 25'	SB-58 10'	MW-7	MW-8	MW-9	MW-6	MW-8	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	WChamp 21903 MW 16	WChamp 21903 MW 6	WChamp 21903 MW 11	WChamp 21903 MW 12
SAMPLE MATRIX	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1,2-Dibromoethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tetrachloroethene	<0.2	<0.005	<0.001	<0.001	<0.001	0.020	<0.001	<0.001	<0.001	0.006	<0.001	<0.001	<0.001	0.001	0.002	0.015	<0.001	0.002
Chlorobenzene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1,2-Tetrachloroethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ethylbenzene	14.600	5.820	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
m & p Xylene	18.800	8.770	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
o-Xylene	7.490	4.070	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Xylenes- Total			<0.001	<0.001	<0.001													
Styrene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromoform	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Trans-1,4-Dichloro-2-butene	<0.2	<5.000	<0.001	<0.001	<0.001	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
1,1,2,2-Tetrachloroethane	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,3-Trichloropropane		<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Isopropylbenzene	4.920	2.030	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bromobenzene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Propylbenzene	7.490	3.830	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2-Chlorotoluene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4-Chlorotoluene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3,5-Trimethylbenzene	6.300	5.240	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
tert-Butylbenzene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2,4-Trimethylbenzene	19.000	12.100	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
sec-Butylbenzene	3.560	0.963	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,3-Dichlorobenzene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
p-Isopropyltoluene	2.440	1.510	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	<0.2	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
n-Butylbenzene	<0.2	1.380	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dibromo-3-Chloropropane	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	10.300	27.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,3-Trichlorobenzene	<0.2	<2.500	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1- Dichloroethylene																		
Methyl ethyl ketone																		
Tetrachloroethylene																		
Trichloroethylene																		

CONCENTRATIONS IN BOLD EXCEED DETECTION LIMITS

Table 4

CONCENTRATIONS OF SEMI-VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER / SOIL

CHAMPION TECHNOLOGY, INC.
HOBBS, NEW MEXICO
ETGI Project #CH2100

All soil concentrations are in mg/kg

All water concentrations are in mg/L

ANALYTE Methods 8270C-BNA, S 8270C, SW-846 8270C

SAMPLE DATE	7/25/2002	9/27/02	8/2/02	8/2/02	8/2/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02
SAMPLE LOCATION	SB-41 25'	SB-58 10'	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16
SAMPLE MATRIX	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Pyridene	<1	<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
N-Nitrosodimethylamine	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Aniline	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Phenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bis(2-chloroethyl)ether	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chlorophenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,3-Dichlorobenzene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzyl Alcohol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylphenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bis(2-chloroisopropyl)ether	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methylphenol	<1		<0.005	<0.005	<0.005							
N-Nitrosodi-n-propylamine	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachloroethane	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrobenzene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Isophorone	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Nitrophenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,4-Dimethylphenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bis(2-chloroethoxy)methane	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,4-Dichlorophenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzoic Acid	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Naphthalene	8.25	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chloroaniline	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chloro-3-methylphenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methylnaphthalene	18.6	43.18	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorocyclopentadiene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,4,6-Trichlorophenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,4,5-Trichlorophenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Chloronaphthalene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

CHAMPION TECHNOLOGY, INC.
HOBBS, NEW MEXICO
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

ANALYTE Methods 8270C-BNA, S 8270C, SW-846 8270C

SAMPLE DATE	7/25/2002	9/27/02	8/2/02	8/2/02	8/2/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02
SAMPLE LOCATION	SB-41 25'	SB-58 10'	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16
SAMPLE MATRIX	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
2-Nitroaniline	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dimethyl phthalate	<1	<25	<0.005	<0.005	<0.005	<0.005	0.01	0.015	0.024	0.011	0.029	<0.005
2,6-Dinitrotoluene	<1		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthylene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3-Nitroaniline	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acenaphthene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,4-Dinitrophenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Nitrophenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibenzofuran	3.08	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,3,4,6- Tetrachlorophenol	<1	<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,4-Dinitrotoluene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Diethyl phthalate	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluorene	2.78	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Chlorophenylphenyl ether	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Nitroaniline	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Methyl-4,6-dinitrophenol	<1											
Azobenzene	<1		<0.005	<0.005	<0.005							
N-Nitrosodiphenylamine	<1		<0.005	<0.005	<0.005							
4-Bromophenylphenyl ether	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobenzene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pentachlorophenol	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Phenanthrene	6.46	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Anthracene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Carbazole	<1		<0.005	<0.005	<0.005							
Di-n-butyl phthalate	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Fluoranthene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzidine	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pyrene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Butylbenzyl phthalate	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(a)anthracene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chrysene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bis(2-ethylhexyl)phthalate	<1	<25	0.025	0.005	0.031	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Di-n-octyl phthalate	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(b)fluoranthene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(k)fluoranthene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(a)pyrene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

CHAMPION TECHNOLOGY, INC.
HOBBS, NEW MEXICO
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

ANALYTE Methods 8270C-BNA, S 8270C, SW-846 8270C

SAMPLE DATE	7/25/2002	9/27/02	8/2/02	8/2/02	8/2/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02	10/21/02
SAMPLE LOCATION	SB-41 25'	SB-58 10'	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16
SAMPLE MATRIX	SOIL	SOIL	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Indeno(1,2,3-cd)pyrene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibenzo(a,h)anthracene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(ghi)perylene	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3,3 Dichlorobenzidine	<1	<25	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlor-1,3-butadien												
2-Picoline		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Methyl Methanesulfonate		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethyl Methanesulfonate		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Methylphenol/ 3-Methylphenol		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Acetophenone		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
n-Nitrosopiperidine		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
a,a-Dimethylphenethylamine		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2,6-Dichlorophenol		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
n-Nitroso-di-n-butylamine		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1-Methylnaphthalene		30.93				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2,4,5-Tetrachlorobenzene		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1-Chloronaphthalene		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pentachlorobenzene		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1-Naphthylamine		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2-Naphthylamine		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4,6-Dinitro-2-methylphenol		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Diphenylamine		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Diphenylhydrazine		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Phenacetin		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4-Aminobiphenyl		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pentachloronitrobenzene		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Pronamide		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p-Dimethylaminoazobenzene		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
7,12-Dimethylbenz(a)anthracene		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3-Methylcholanthrene		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Dibenzo-(a,j)acridine		<25				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

CONCENTRATIONS IN BOLD EXCEED DETECTION LIMITS

Table 5

CONCENTRATIONS OF ALKALINITY AND SPECIFIC CONDUCTANCE

**Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100**

Unless otherwise noted, all concentrations are in mg/L as CaCo³

SAMPLE DATE	SAMPLE LOCATION	SAMPLE MATRIX	ANALYTICAL METHOD 310.1				SM 2510B
			HYDROXIDE ALKALINITY	CARBONATE ALKALINITY	BICARBONATE ALKALINITY	TOTAL ALKALINITY	SPECIFIC CONDUCTANCE μMHOS/cm
10/21/02	MW-10	WATER	<1.0	<1.0	212	212	1704
	MW-11	WATER	<1.0	<1.0	222	222	1890
	MW-12	WATER	<1.0	<1.0	308	308	2250
	MW-13	WATER	<1.0	<1.0	202	202	1700
	MW-14	WATER	<1.0	<1.0	230	230	1820
	MW-15	WATER	<1.0	<1.0	220	220	1400
	MW-16	WATER	<1.0	<1.0	242	242	2210
02/26/03	A2 W. Wall Ext.	SOIL	<1.0	<1.0	27	27	5410
02/26/03	A2 West Wall	SOIL	<1.0	<1.0	48	48	3690
02/26/03	A2 NW Wall	SOIL	<1.0	<1.0	32	32	6500
02/26/03	A2 South Wall	SOIL	<1.0	<1.0	148	148	1710
02/26/03	A2 SE Bench	SOIL	<1.0	<1.0	64	64	2740
02/26/03	A2-WP Bottom	SOIL	<1.0	<1.0	244	244	545

Table 6

CONCENTRATIONS OF TPH (Aliphatics & Aromatics) IN GROUNDWATER / SOIL

**Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100**

*All water concentrations are in mg/L
All soil concentrations are in mg/kg*

SAMPLE DATE	SAMPLE LOCATION	SAMPLE TYPE	ALIPHATICS – Method 8015 Modified						AROMATICS – Method 8015 Modified					
			C ₆ -C ₈	>C ₈ -C ₁₀	>C ₁₀ -C ₁₂	>C ₁₂ -C ₁₆	>C ₁₆ -C ₂₁	>C ₂₁ -C ₃₅	C ₆ -C ₈	>C ₈ -C ₁₀	>C ₁₀ -C ₁₂	>C ₁₂ -C ₁₆	>C ₁₆ -C ₂₁	>C ₂₁ -C ₃₅
07/25/02	SB-41 25'	SOIL	291	528	2087	2860	1674	1486	43.6	3.74	19.8	70.3	102	123
08/02/02	MW-6	WATER	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
08/02/02	MW-8	WATER	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

Table 7
CONCENTRATIONS OF TPH IN GROUNDWATER

Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All concentrations are in mg/L

SAMPLE DATE	SAMPLE LOCATION	EPA 418.1	Method 8015		Method 8015 Modified		
		TPH	GRO	DRO	TPH C ₆ -C ₁₀	TPH >C ₁₀ -C ₃₅	TPH C ₆ -C ₃₅
08/02/02	MW-6				<3	<3	<3
10/21/02	MW-6	2.35					
08/02/02	MW-8				<3	<3	<3
10/21/02	MW-8	<0.500					
10/21/02	MW-10	<0.500					
10/21/02	MW-11	<0.500					
10/21/02	MW-12	<0.500					
10/21/02	MW-13	<0.500					
10/21/02	MW-14	<0.500					
10/21/02	MW-15	<0.500					
10/21/02	MW-16	<0.500					
02/19/03	WChamp 21903 MW-6		<0.1	<5.00			
	WChamp 21903 MW-11		<0.1	<5.00			
	WChamp 21903 MW-12		<0.1	<5.00			

Table 8

SAMPLING PARAMETERS AND SAMPLING REQUIREMENTS

Champion Technologies
Hobbs, New Mexico Facility
ETGI project # CH2100

ANALYTICAL METHODS	PARAMETER	CONTAINER	PRESER-	MAXIMUM HOLDING TIME	SAMPLE VOLUME
			VATION		
VOLATILE ORGANIC COMPOUNDS 8260B	Concentrated waste	G w/TLC	Cool, 4°C	14 days	4 oz.
	Soil/Sediment	G w/TLC	Cool, 4°C	14 days	4 oz.
	Sludge	G w/TLC	Cool, 4°C	14 days	4 oz.
METALS - 6010B	Metals except Boron, CR6+, & Mercury	P,G	HNO ₃ to pH<2	6 months	250 mls
TPH GRO - 8015B	TPH GRO	G w/TLS	Cool, 4°C	14 days	2 VOAs
CHLORIDE - 300.0	Chloride	P, G	None	28 days	250 mls
TPH - 418.1	TPH	G w/TLS	Cool, 4°C	14 days	2 VOAs
ALKALINITY - 310.1	Alkalinity	P,G	Cool, 4°C	14 days	250 mls
CONDUCTIVITY - 2510B	Conductivity	P,G	Cool, 4°C	28 days	100 mls
MERCURY - 7470A	Mercury	P,G	HNO ₃ to pH<2	28 days	250 mls
SALTS - 6010B	SAR	P,G	HNO ₃ to pH<2	6 months	250 mls
ION CHROMATOGRAPHY - 300.0					
SEMI VOLATILE COMPOUNDS 8270C	Concentrated waste	G w/TLC	Cool, 4°C	extraction, 40 days thereafter	4 oz.
	Soil/Sediment	G w/TLC	Cool, 4°C	extraction, 40 days thereafter	4 oz.
	Sludge	G w/TLC	Cool, 4°C	extraction, 40 days thereafter	4 oz.
	PCB (In transformer oil)	P,G	Cool, 4°C	28 days, recommended	20 mls
TOTAL DISSOLVED SOLIDS (TDS) 160.1	Total Dissolved Solids	P,G	Cool, 4°C	7 days	250 mls
pH - 150.1	pH	P,G	None	Analyze immediately	50 mls
NOTES					
<p><i>Abbreviations</i> G: Glass P: Polyethylene TLC: Telfon-lined cap TLS: Teflon-lined septum</p> <p><i>Sample Preservation</i> Sample preservation should be performed immediately upon sample collection. For composite samples, samples may be preserved by maintaining the samples at 4° until compositing and sample splitting is completed.</p> <p><i>Holding Times</i> Holding times listed are the times that samples may be held before analysis and still be considered valid under EPA regulations. Holding times are measured from the date of sampling.</p>					

Table 9

GROUNDWATER ELEVATION
Champion Technologies Inc.
Hobbs, New Mexico
ETGI Project # CH2100

All measurements are in feet except where noted

WELL LOCATION	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
MW-1	8/2/2002	3594.44	50.74	3543.70
	8/22/2002		50.75	3543.69
	9/20/2002		50.94	3543.50
	10/21/2002		50.96	3543.48
	11/13/2002		51.01	3543.43
	2/18/2003		51.22	3543.22
MW-2	*8/2/2002	3598.40	56.30	3542.10
	8/22/2002		56.42	3541.98
	9/20/2002		60.00	3538.40
	10/21/2002	**3602.78	60.08	3542.70
	2/18/2003		60.29	3542.49
MW-3	8/2/2002	3599.49	56.81	3542.68
	8/22/2002		56.84	3542.65
	9/20/2002		57.02	3542.47
	10/21/2002		57.09	3542.40
	11/13/2002		57.06	3542.43
	2/18/2003		57.31	3542.18
MW-4	8/2/2002	3899.40	57.13	3842.27
	8/22/2002		57.17	3842.23
	9/20/2002		57.37	3842.03
	10/21/2002		57.45	3841.95
	11/13/2002		57.47	3841.93
	2/18/2003		57.61	3841.79
MW-5	8/2/2002	3599.28	56.97	3542.31
	8/22/2002		57.00	3542.28
	9/20/2002		57.19	3542.09
	10/21/2002		57.28	3542.00
	2/18/2003		57.50	3541.78
MW-6	8/2/2002	3599.20	56.38	3542.82
	8/22/2002		56.44	3542.76
	9/20/2002		60.98	3538.22

GROUNDWATER ELEVATION
Champion Technologies Inc.
Hobbs, New Mexico
ETGI Project # CH2100

All measurements are in feet except where noted

WELL LOCATION	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
	10/21/2002	**3603.56	61.04	3542.52
	11/13/2002		61.08	3542.48
	2/18/2003		61.30	3542.26
MW-7	8/2/2002	3596.91	53.16	3543.75
	8/22/2002		53.28	3543.63
	9/20/2002		53.40	3543.51
	10/21/2002		53.46	3543.45
	11/13/2002		53.51	3543.40
	2/18/2003		53.70	3543.21
MW-8	8/2/2002	3602.68	59.87	3542.81
	8/22/2002		59.98	3542.70
	9/20/2002		60.12	3542.56
	10/21/2002		60.18	3542.50
	2/18/2003		60.38	3542.30
MW-9	8/2/2002	3597.00	53.15	3543.85
	8/22/2002		53.12	3543.88
	9/20/2002		53.34	3543.66
	10/21/2002		53.37	3543.63
	2/18/2003		53.61	3543.39
MW-10	10/16/2002	3600.84	59.38	3541.46
	10/21/2002		59.37	3541.47
	2/18/2003		59.61	3541.23
MW-11	10/16/2002	3599.63	57.09	3542.54
	10/21/2002		57.12	3542.51
	2/18/2003		57.35	3542.28
MW-12	10/16/2002	3602.8	60.42	3542.38
	10/21/2002		60.45	3542.35
	2/18/2003		60.66	3542.14

GROUNDWATER ELEVATION
Champion Technologies Inc.
Hobbs, New Mexico
ETGI Project # CH2100

All measurements are in feet except where noted

WELL LOCATION	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
MW-13	10/16/2002	3602.68	60.28	3542.40
	10/21/2002		60.39	3542.29
	11/13/2002		60.35	3542.33
	2/18/2003		60.52	3542.16
MW-14	10/16/2002	3599.23	57.17	3542.06
	10/21/2002		57.24	3541.99
	2/18/2003		57.43	3541.80
MW-15	10/16/2002	3597.06	53.26	3543.80
	10/21/2002		53.31	3543.75
	11/13/2002		53.35	3543.71
	2/18/2003		53.56	3543.50
MW-16	10/16/2002	3602.56	60.11	3542.45
	10/21/2002		60.17	3542.39
	11/13/2002		60.19	3542.37
	2/18/2003		60.38	3542.18

*Potential Gauging Error

** Top Of Casing raised on 9-18-02

Table 10
CONCENTRATIONS OF BACKGROUND SAMPLES IN GROUNDWATER/SOIL

Champion Technologies
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All soil concentrations are in mg/kg
All water concentrations are in mg/L

			ANALYTICAL PARAMETERS			
SAMPLE DATE	MATRIX	SAMPLE ID	CHLORIDE	ARSENIC	CHROMIUM	LEAD
09/16/00	SOIL	SB-1 - 0001 - A	151	13.7	20.1	23.2
09/16/00	SOIL	SB-2 - 0001 - A	174	17	8.32	10.2
05/11/01	SOIL	SB-35 - 0305 - A	1339	5.46	<5.0	2.77
05/11/01	SOIL	SB-35 - 1315 - A	3388	<5.0	<5.0	2.02
05/11/01	SOIL	SB-35 - 2325 - A	1579	<5.0	<5.0	2.29
05/11/01	SOIL	SB-35 - 3335 - A	1480	<5.0	<5.0	1.71
10/02/02	SOIL	SB-55 5'	249		3.25	
10/02/02	SOIL	SB-55 20'	390		3.57	
10/02/02	SOIL	SB-55 40'	92		3.19	
10/02/02	SOIL	SB-56 5'	33.3		5.62	
10/02/02	SOIL	SB-56 20'	13.9		5.57	
10/02/02	SOIL	SB-56 40'	61.9		2.8	
10/02/02	SOIL	MW-9 5'	73.9	1.84	2.1	1.51
09/26/02	SOIL	MW-15 5'	46.7		5.73	
09/26/02	SOIL	MW-15 25'	37.4		2.46	
09/26/02	SOIL	MW-15 40'	137		5.88	
08/02/02	WATER	MW-1	408	<0.008	0.038	<0.011
08/02/02	WATER	MW-7	239	<0.008	<0.002	<0.011
08/02/02	WATER	MW-9	346	<0.008	0.023	<0.011
10/21/02	WATER	MW-1	356		<0.010	<0.010
10/21/02	WATER	MW-7	235		<0.010	<0.010
10/21/02	WATER	MW-9	305		0.086	<0.010
10/21/02	WATER	MW-15	156		0.0107	0.011
11/13/03	WATER	MW-1			<0.010	
11/13/03	WATER	MW-7			<0.010	
11/13/03	WATER	MW-9			<0.010	
11/13/03	WATER	MW-15	200			

Table 11

Maximum Contaminant Concentration Detected In Groundwater

**CHAMPION TECHNOLOGY
HOBBS FACILITY
HOBBS, NEW MEXICO
ETGI Project #CH2100**

Unless otherwise stated, all water concentrations are in mg/L.

ANALYTICAL PARAMETERS	MAX. DETECTED CONCENTRATION	LOCATION	NEW MEXICO REG. LIMIT*	EPA MCL*
TPH	2.35	MW-6	1.4 TO 3.7**	
Chlorides	508	MW-5	250	250
Arsenic	0.073***	MW-14	0.10	0.05
Chromium	0.333***	MW-4	0.05	0.10
Chromium +6	0.296	MW-4	0.05	0.10
Cadmium	0.003***	MW-6	0.01	0.01
Lead	0.023***	MW-6	0.05	0.015 (al)
1,1-Dichloroethene (DCE)	0.01	MW-12	0.005	0.007
Chloroform	0.00329	MW-8	0.10	SMCL = 0 (p)
1,1,1-Trichloroethane (TCA)	0.0021	MW-6	0.06	0.2
1,1,1-Trichloroethene (TCE)	0.00485	MW-6	0.10	0.005
Tetrachloroethene (perchloroethylene, PCE)	0.0199	MW-6	0.02	0.005
Dimethylphthalate	0.029	MW-15	TOX	NONE
1,1-Dichloroethane (DCA)	0.045	MW-6	0.025	NONE
Bis(2-ethylhexyl)phthalate	0.031	MW-9	TOX	0.006
Total dissolved solids (TDS)	1360	MW-9	1,000	500
Fluoride	3.7	MW-1 & 2	1.6	4
Nitrate-N	6.8	MW-9	10	10
Sulfate	298	MW-1	600 (a)	250 (a)/400p
Aluminum	14	MW-11	5 (i)	0.05-0.2 (a)
Boron	0.539	MW-13	0.75 (i)	NONE
Iron	47.6	MW-6	1.0	0.3
Manganese	0.426	MW-6	0.2	0.05
Barium	4.78	MW-6	1.0	2
Zinc	0.626	MW-6	10	5

* = <http://www.nmenv.state.nm.us/gwb/gwstds.html>

** = New Mexico Environmental Department TPH Cleanup Guidelines (DRAFT)

Concentrations in bold exceed NM groundwater limits

*** = unfiltered samples

TOX = a numerical standard has not been established, but the contaminant is listed in a narrative standard of "toxic pollutant" defined in WQCC Regulations

*Unless otherwise stated, all soil concentrations are in mg/kg.
Unless otherwise stated, all water concentrations are in mg/L.*

Page 1 of 1

Table 13
CONCENTRATIONS OF TPH & BTEX IN SOIL

Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All concentrations are in mg/kg

SAMPLE DATE	SAMPLE LOCATION	EPA 418.1	Method 8015 B		Method 8015 Modified			SW 846-8021B, 5030				
		TPH	GRO	DRO	TPH C ₈ -C ₁₀	TPH >C ₁₀ -C ₂₅	TPH C ₈ -C ₂₅	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	BTEX
07/25/02	SB-41 25'	28000			5140	8220	13360					
07/26/02	SB-41 39'	3900			678	1320	1998					
07/25/02	S.S. 1 Wall 5'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 2 Wall 8'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 3 Wall 3'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 4 Wall 3'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 5 Wall 3'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 6 Wall 4'	198						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 7 Wall 4'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 8 Wall 4'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 9 Wall 4'	30.6						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 10 Wall 4'	11.6						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 11 Btm 6'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 12 Btm 10'	496						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 13 Btm 4'	29.4						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 14 Btm 10'	35.7						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 15 Btm 10'	78.4						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 16 Btm 4'	33.1						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 17 Btm 8'	26.9						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 18 Btm 8'	229						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 19 Wall 4'	19.2						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 20 Wall 4'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 21 Wall 4'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 22 Wall 4'	10.7						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 23 Wall 4'	<10						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 24 Wall 5'	197						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 25 Btm 5'	28.1						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 26 Btm 5'	11.4						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 27 Btm 5'	12.7						<0.025	<0.025	<0.025	<0.025	<0.025
07/25/02	S.S. 28 Btm 5'	45.9						<0.025	<0.025	<0.025	<0.025	<0.025
07/29/02	MW-8 S.S. 15'	25.2			<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
07/29/02	MW-8 S.S. 35'	41.2			<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
07/29/02	MW-8 S.S. 55'	<10			<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
07/30/02	Area 3 N. Stockpile Excavation SS-1	242			<10.0	71.3	71.3					
07/30/02	Area 3 N. Stockpile Excavation SS-2	272			<10.0	59.8	59.8					
08/02/02	S.S. 1 East Wall/ South 6'	27.6						<0.025	<0.025	<0.025	<0.025	<0.025
	S.S. 2 East Wall/ North 6'	<10.0						<0.025	<0.025	<0.025	<0.025	<0.025
	S.S. 3 East Wall/ North 8'	21.6						<0.025	<0.025	<0.025	<0.025	<0.025
08/02/02	Area 2 Stockpile #1 N. Side	11400										
08/08/02	Backfill Sundance	38						<0.025	<0.025	<0.025	<0.025	<0.025
08/12/02	Comp. Caliche Pit	16.5						<0.025	<0.025	<0.025	<0.025	<0.025
09/24/02	MW-11 56'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
09/25/02	MW-12 15'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
	MW-12 45'	11.7						<0.010	<0.010	<0.010	<0.010	<0.010
09/27/02	SB-57 45'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
	SB-58 10'	80800						1.46	4.08	3.27	6.88	15.7

CONCENTRATIONS OF TPH & BTEX IN SOIL

Champion Technology, Inc.
Hobbs Facility
Hobbs, New Mexico
ETGI Project #CH2100

All concentrations are in mg/kg

SAMPLE DATE	SAMPLE LOCATION	EPA 418.1	Method 8015 B		Method 8015 Modified			SW 846-8021B, 5030				
		TPH	GRO	DRO	TPH C ₈ -C ₁₀	TPH >C ₁₀ -C ₃₆	TPH C ₈ -C ₃₆	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	BTEX
	SB-58 25'	37.1						<0.010	<0.010	<0.010	0.0109	0.0109
	SB-49 5'	27.9						<0.010	<0.010	<0.010	<0.010	<0.010
	SB-49 40'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
	SB-49 50'	98.7						<0.010	<0.010	<0.010	<0.010	<0.010
	SB-57 10'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
10/01/02	SB-47 5'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
	SB-50 10'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
	SB-50 25'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
	SB-61 10'	<10						<0.010	<0.010	<0.010	<0.010	<0.010
	SB-64	<10						<0.010	<0.010	<0.010	<0.010	<0.010
02/18/03	East 14.5' - 15.5'		<1.0	<50.0				<0.010	<0.010	<0.010	0.0496	0.0496
02/26/03	A2 W. Wall Ext.		<1.0	<50.0				<0.010	<0.010	<0.010	<0.010	<0.010
02/26/03	A2 West Wall		<1.0	<50.0				<0.010	<0.010	<0.010	<0.010	0.0539
02/26/03	A2 NW Wall		<1.0	<50.0				<0.010	<0.010	<0.010	<0.010	<0.010
02/26/03	A2 South Wall		<1.0	<50.0				<0.010	<0.010	<0.010	<0.010	<0.010
02/26/03	A2 SE Bench		<1.0	320				<0.010	<0.010	<0.010	<0.010	<0.010
02/26/03	A2-WP Bottom		20.1	1400				<0.010	<0.010	0.129	0.263	0.302

CONCENTRATIONS IN BOLD ARE ABOVE DETECTION LIMITS

Table 14

QUARTERLY GROUNDWATER SAMPLING PARAMETERS

**Champion Technologies
Hobbs Facility
Hobbs, New Mexico
ETGI Project Number CH2100**

MW 1	Chromium	Chloride	
MW 2	Chromium	Chloride	
MW 3	Chromium	Chloride	
MW 4	Chromium	Chloride	
MW 5	Chromium	Chloride	
MW 6	Chromium	Chloride	TPH 8015 VOC Lead Arsenic Manganese Barium
MW 7	Chromium	Chloride	
MW 8	Chromium	Chloride	
MW 9	Chromium	Chloride	
MW 10	Chromium	Chloride	
MW 11	Chromium	Chloride	TPH 8015 VOC (Lead Arsenic Manganese Barium)*
MW 12	Chromium	Chloride	TPH 8015 VOC (Lead Arsenic Manganese Barium)*
MW 13	Chromium	Chloride	
MW 14	Chromium	Chloride	
MW 15	Chromium	Chloride	
MW 16	Chromium	Chloride	TPH 8015 VOC (Lead Arsenic Manganese Barium)*
Champion's water well	Chromium	Chloride	
Resident's water well	Chromium	Chloride	

* If detected in MW-6

TABLE 15
Maximum concentrations of Contaminants detected in all data
that has not been removed by excavation.

<u>Contaminants</u>	<u>Concentration</u>	<u>Location</u>	<u>Consultant</u>
TPH	3680	12-1820-A	E
Benzene	3.51	13-1820-A	E
Arsenic	33.3	13-2325-A	E
Barium	857	3-0001-A	E
Barium	758	ss 3 wall 3'	ETGI
Cadmium	1.67	14-2325-A	E
Chromium	28.4	Split Sample	NMOCD
Chromium	20.1	1-0001-A	E
Iron	7260	A-2 Bottom 2	ETGI
Lead	23.3	East 14.5-15.5	ETGI
Manganese	628	33-2325-A	E
Manganese	283	32-23-25-A	E
Manganese	91.9	3-0001-A	E
Manganese	48.8	SS 13Btm4'	ETGI
Mercury	0.257	19-23-25-A	E
Zinc	314	24-2325-A	E
Zinc	59.3	SB-41-25'	ETGI
Nitrate N	113	3-0001-A	E
Nitrate N	27	SS 12 btm 10'	ETGI
Toluene	9.34	12-1820-A	E
Ethylbenzene	17.6	12-1820-A	E
Total Xylenes	31.5	12-1820-A	E

Surface concentrations at sample locations 3-0001-A can be removed.

FIGURES

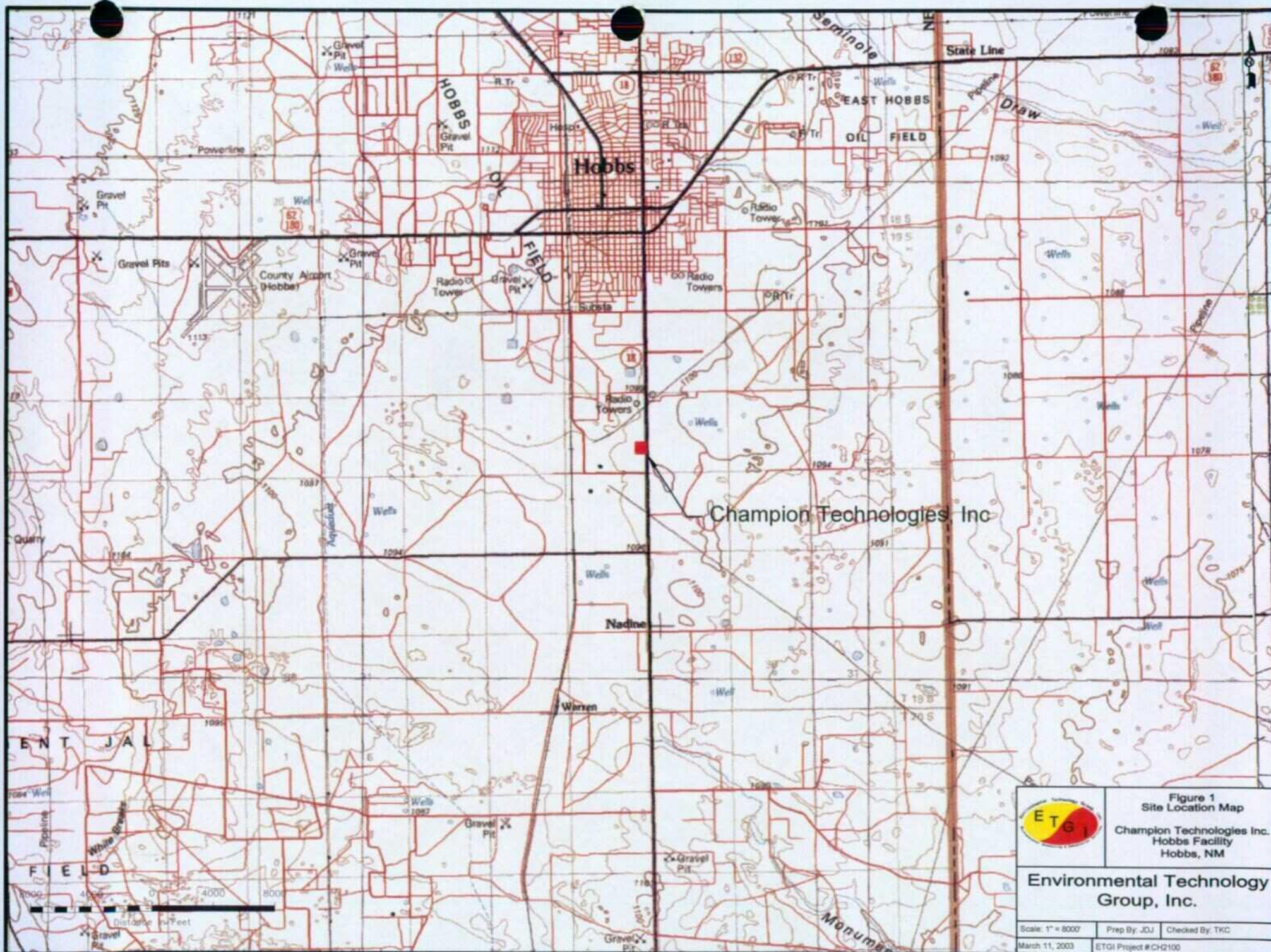


Figure 1
Site Location Map

Champion Technologies Inc.
Hobbs Facility
Hobbs, NM

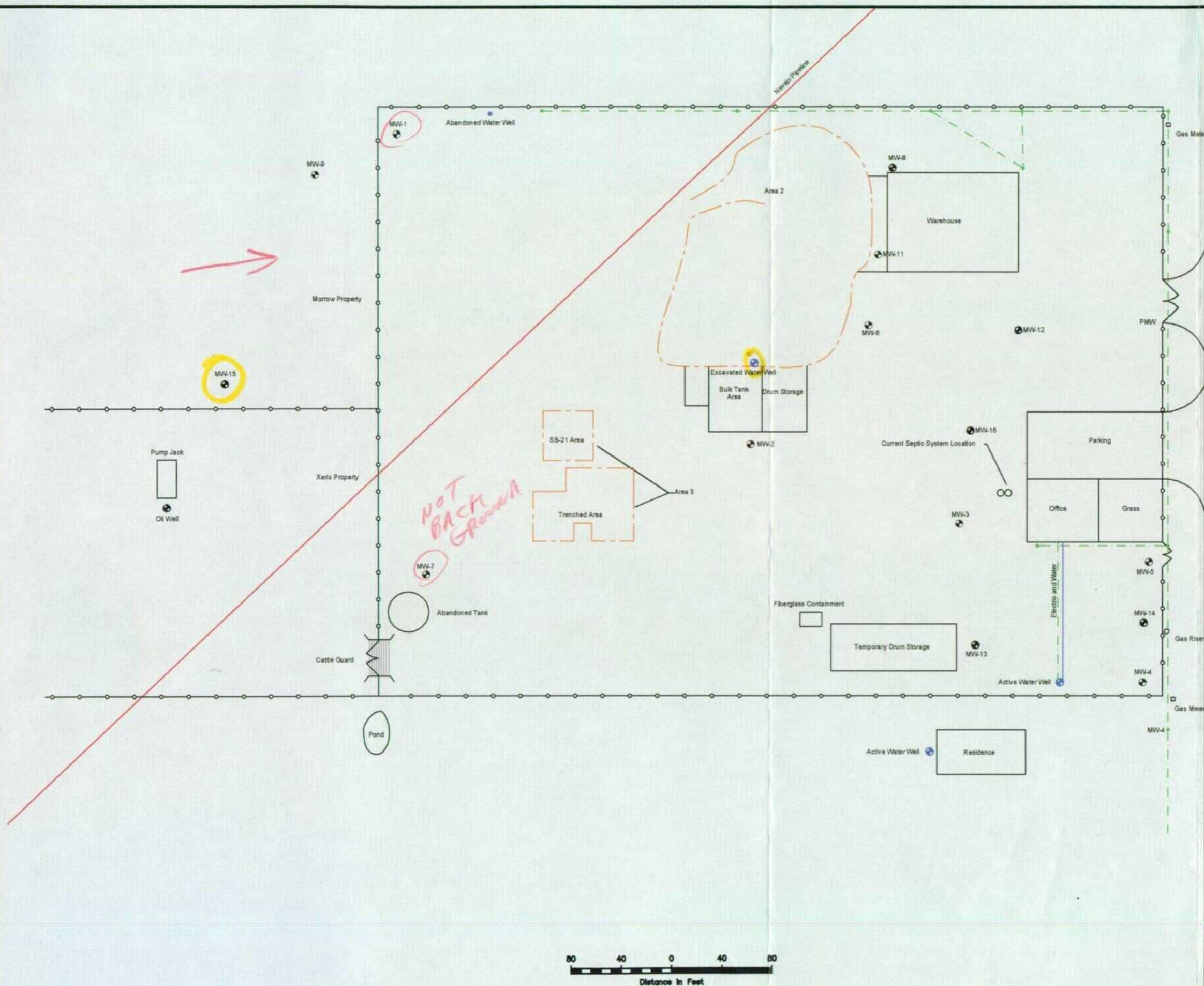
Environmental Technology
Group, Inc.

Scale: 1" = 8000'

Prep By: JOJ Checked By: TKC

March 11, 2003

ETGI Project #CH2100



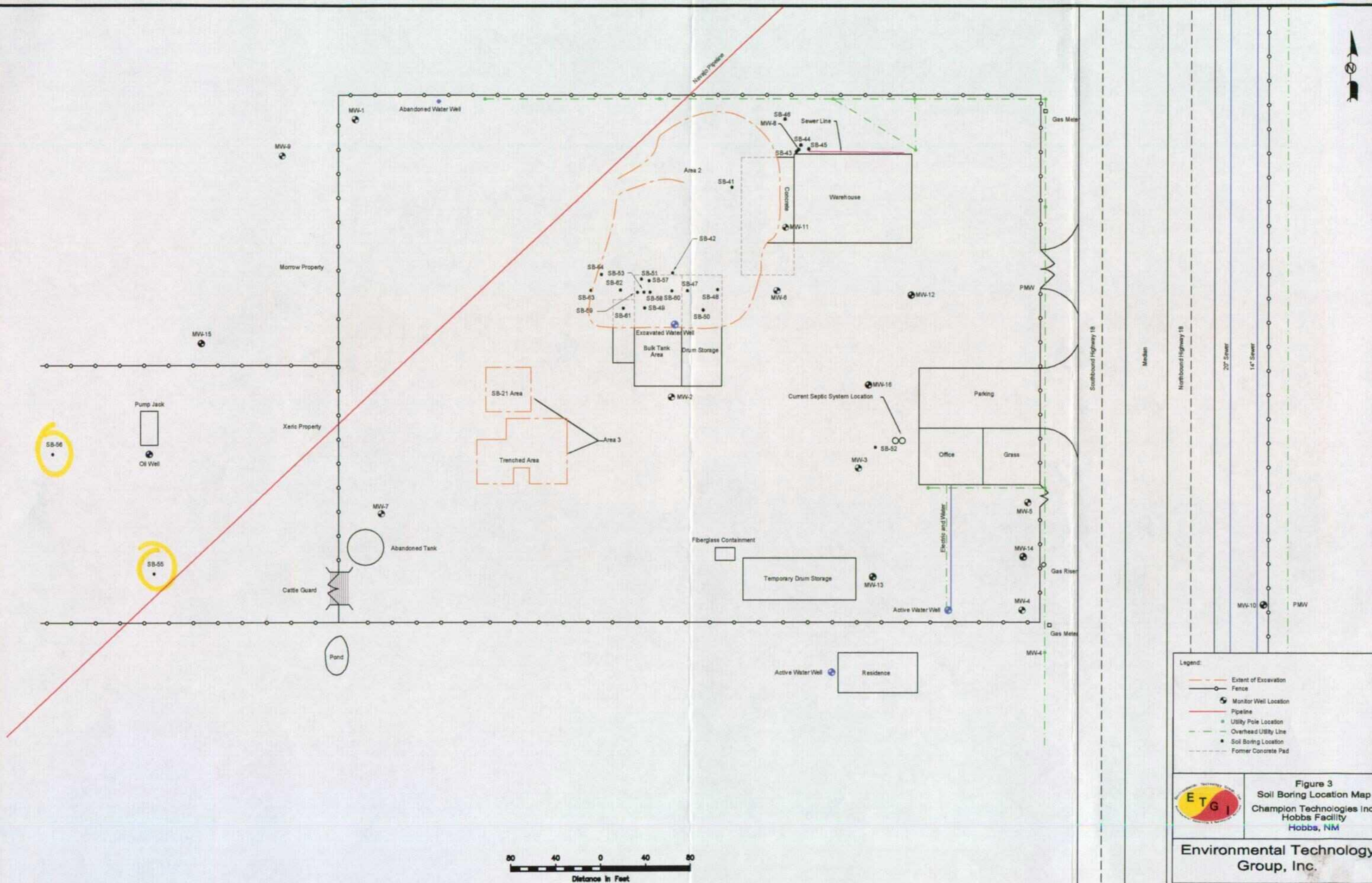
Legend:

- Extent of Excavation
- Fence
- Monitor Well Location
- Pipeline
- Utility Pole Location
- Overhead Utility Line

Figure 2
Site Plan
Champion Technologies Inc.
Hobbs Facility
Hobbs, NM

Environmental Technology Group, Inc.

Scale: 1" = 80'
Prep By: JDU
Checked By: TKC
March 11, 2003
ETGI Project #CH2100



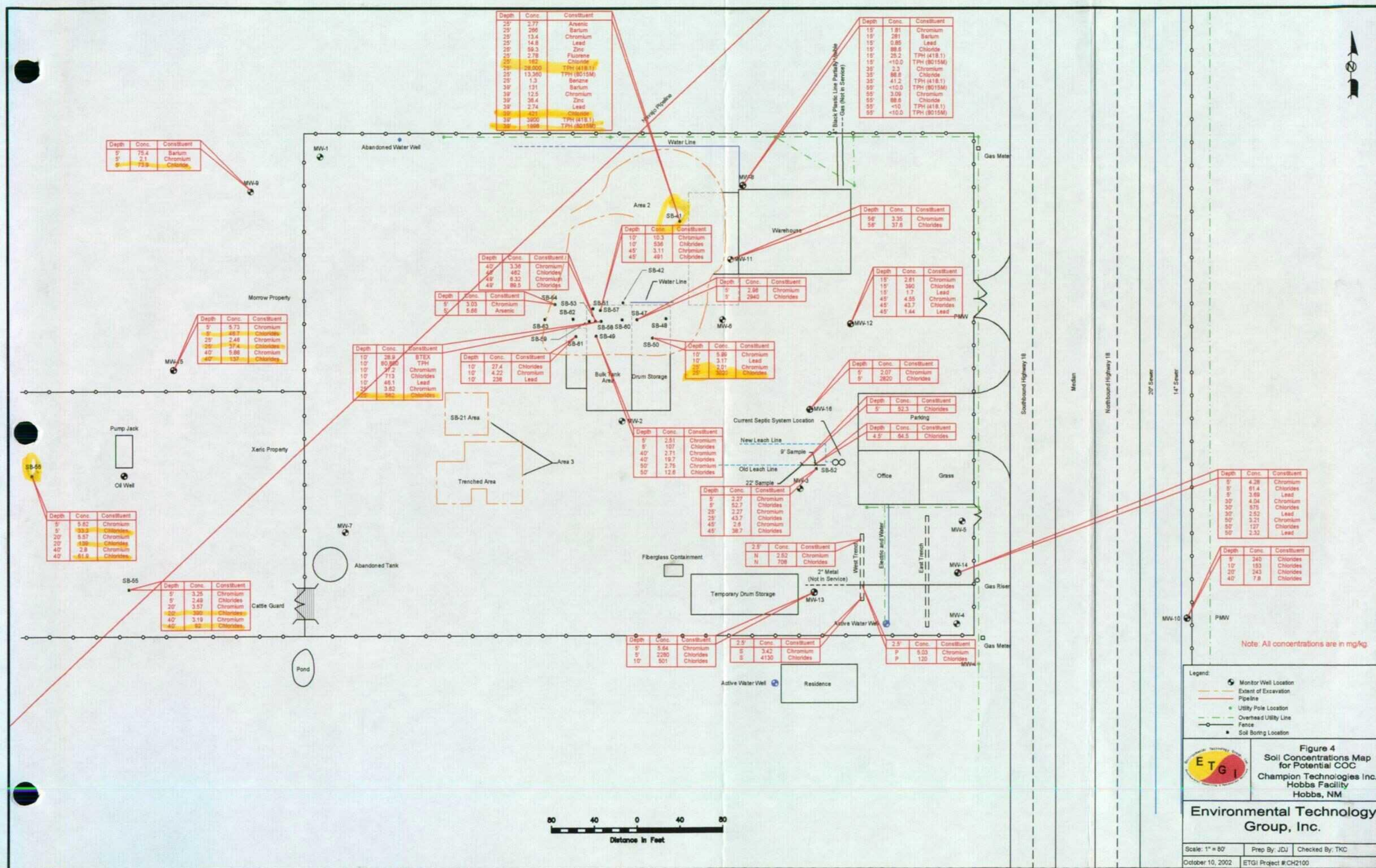
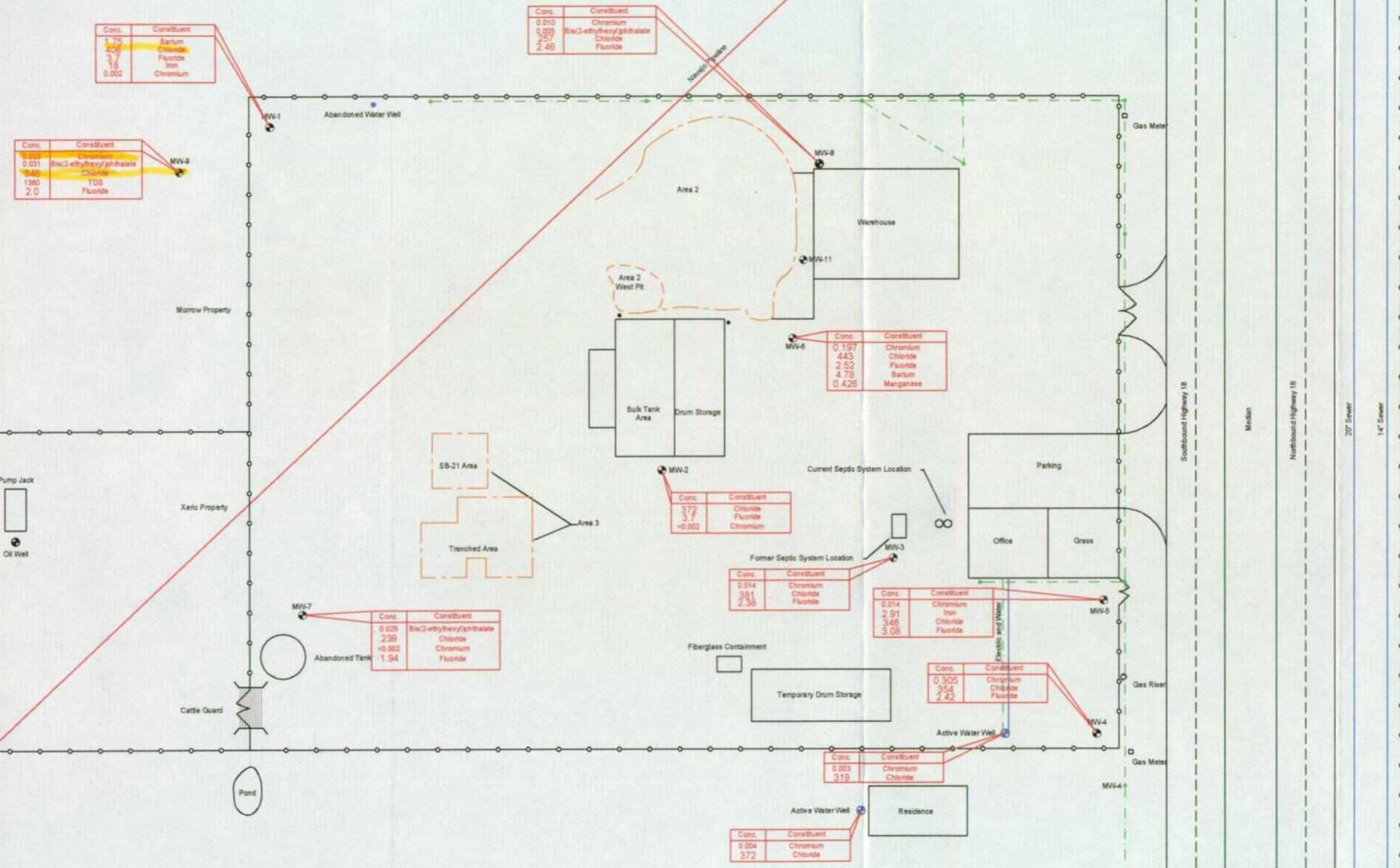


Figure 4
Soil Concentrations Map
for Potential COC
Champion Technologies Inc.
Hobbs Facility
Hobbs, NM

**Environmental Technology
Group, Inc.**



Note: All concentrations in mg/L, unless otherwise indicated.
Concentrations in bold are above NMWQCC limits.
Sample date: 8/2/02
Chromium reported as total unfiltered chromium.


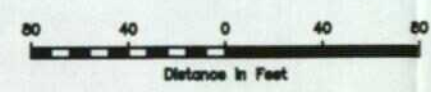
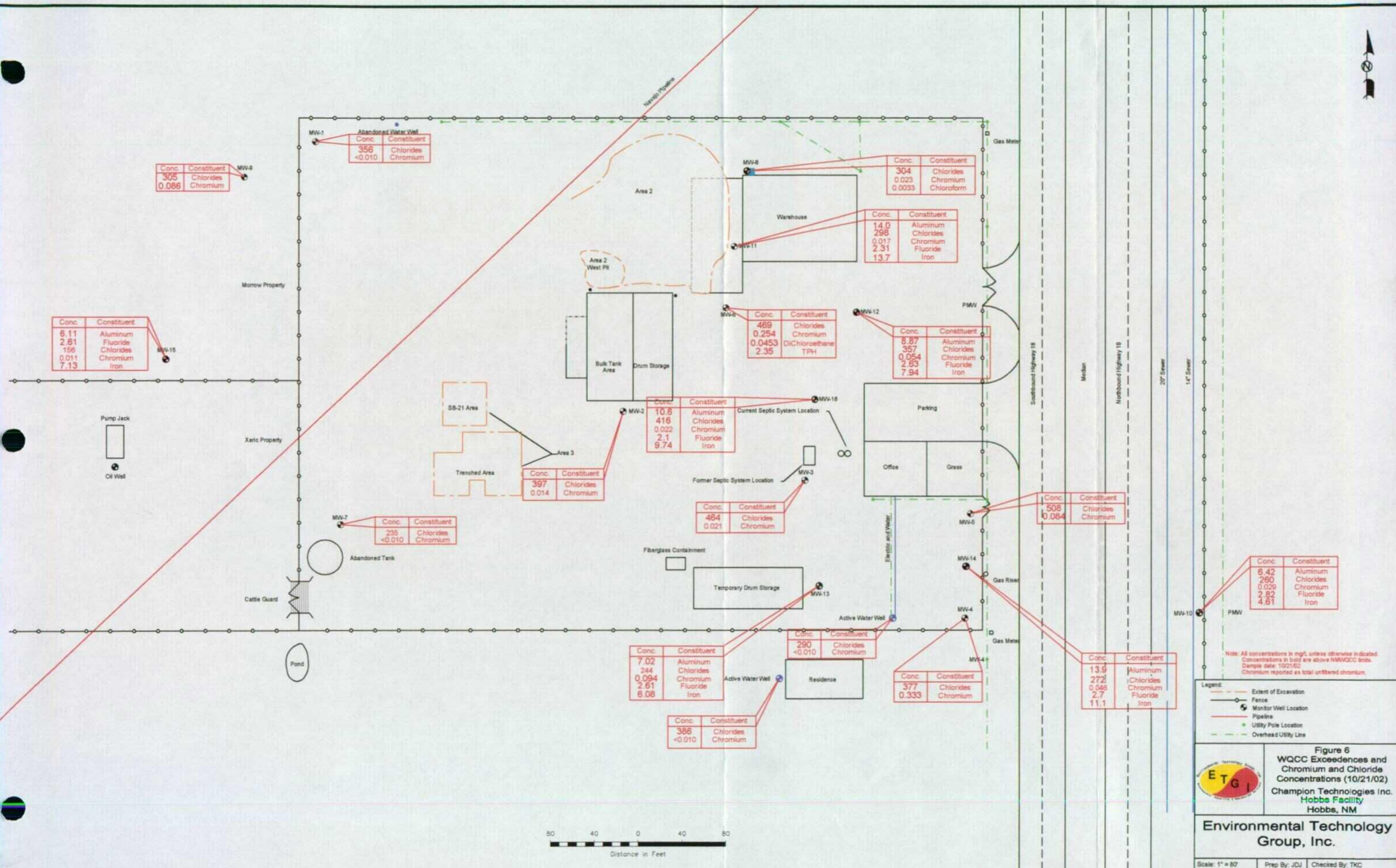


Figure 5
WQCC Exceedences and
Chromium and Chloride
Concentrations (8/2/02)
Champion Technologies Inc.
Hobbs Facility
Hobbs, NM

**Environmental Technology
Group, Inc.**

Scale: 1" = 80' Prep By: JDU Checked By: TKC
March 11, 2003 ETGI Project # CH2100



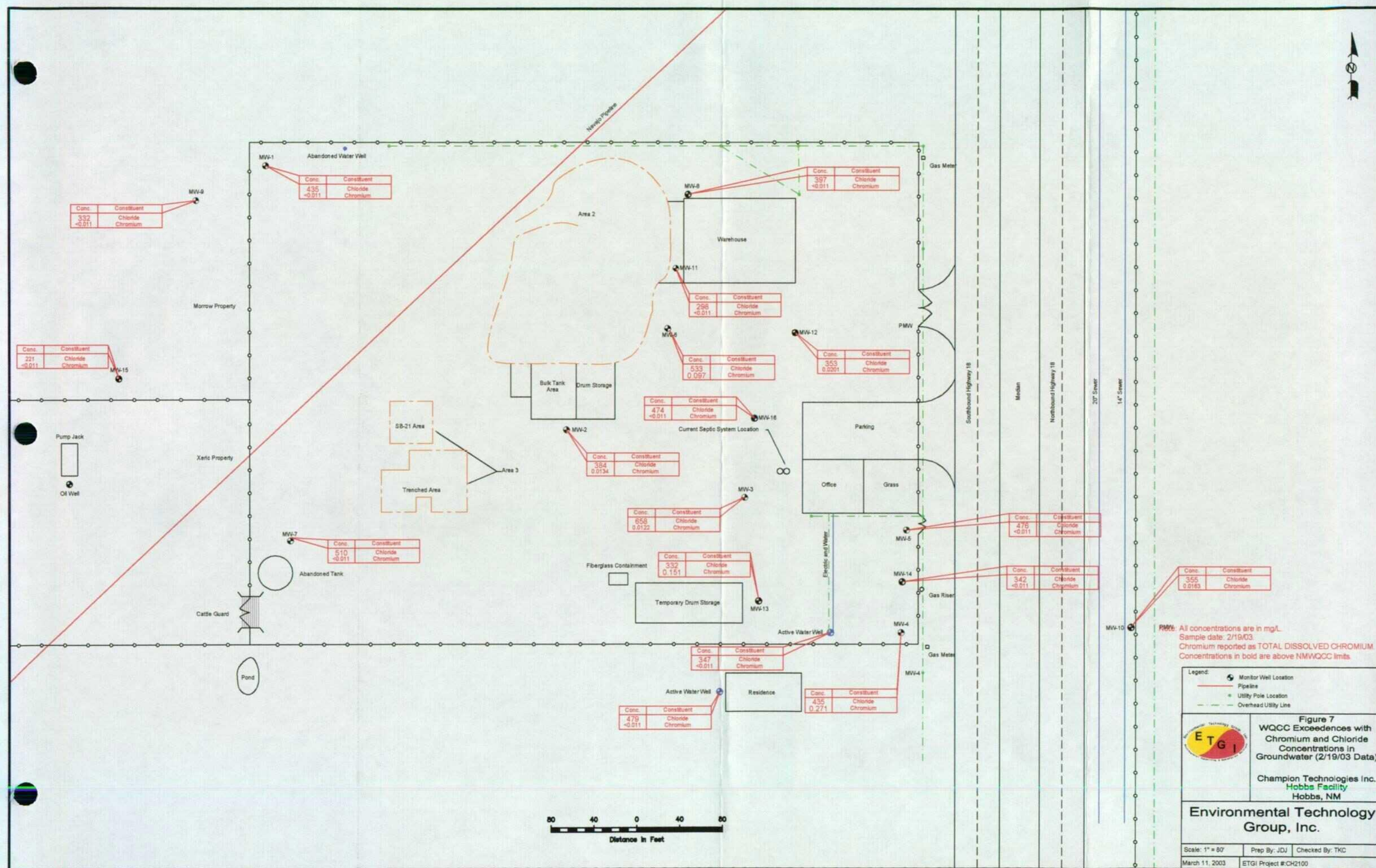


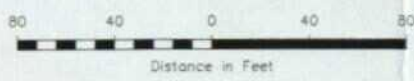
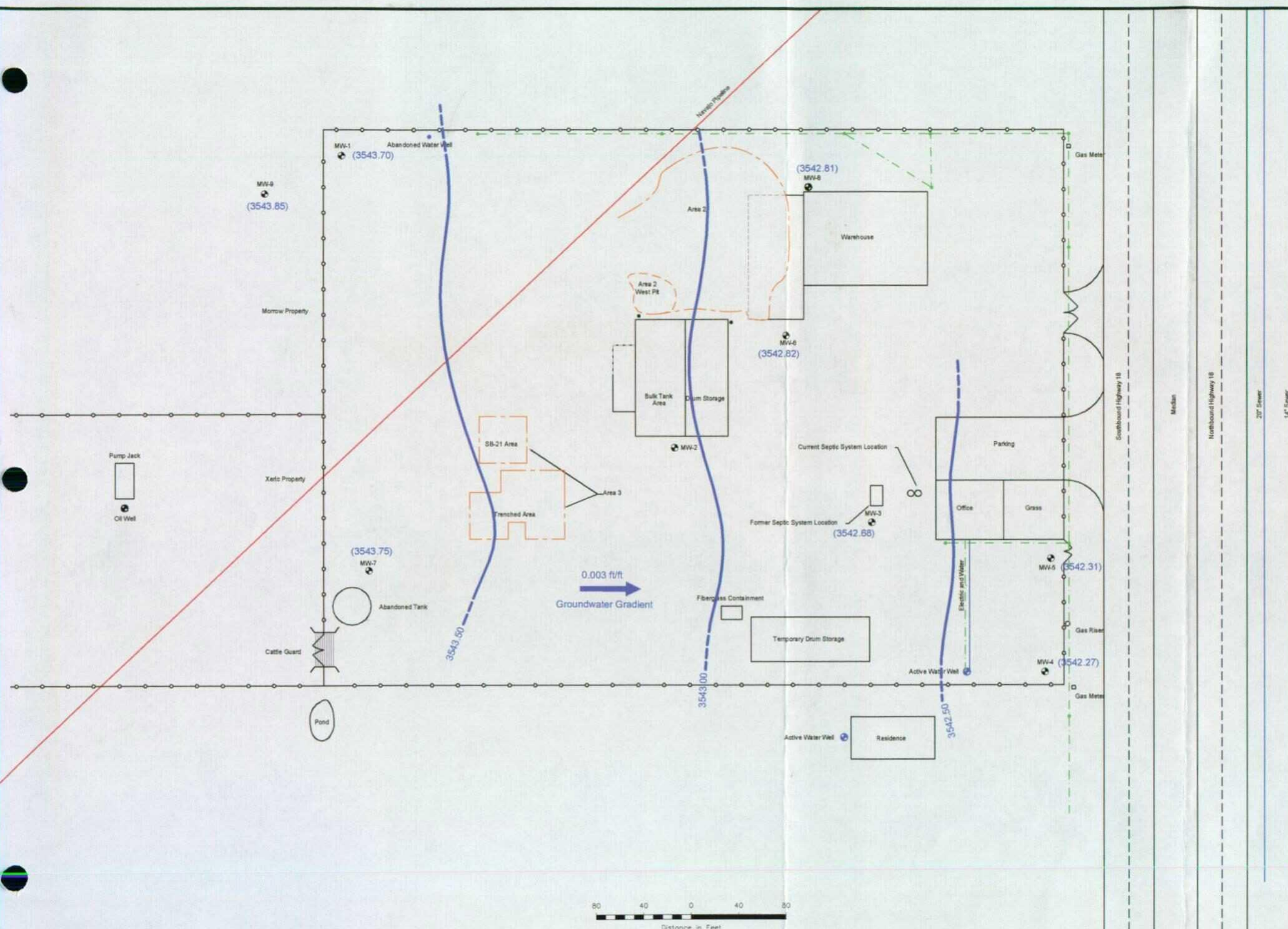
Note: All concentrations in mg/L unless otherwise indicated.
Concentrations in bold are above NMWQCC limits.
Sample date: 10/21/02.
Chromium reported as total unfiltered chromium.

- Legend:
- Extent of Excavation
 - Fence
 - Monitor Well Location
 - Pipeline
 - Utility Pole Location
 - Overhead Utility Line

Figure 6
WQCC Exceedences and
Chromium and Chloride
Concentrations (10/21/02)
Champion Technologies Inc.
Hobbs Facility
Hobbs, NM

Environmental Technology
Group, Inc.



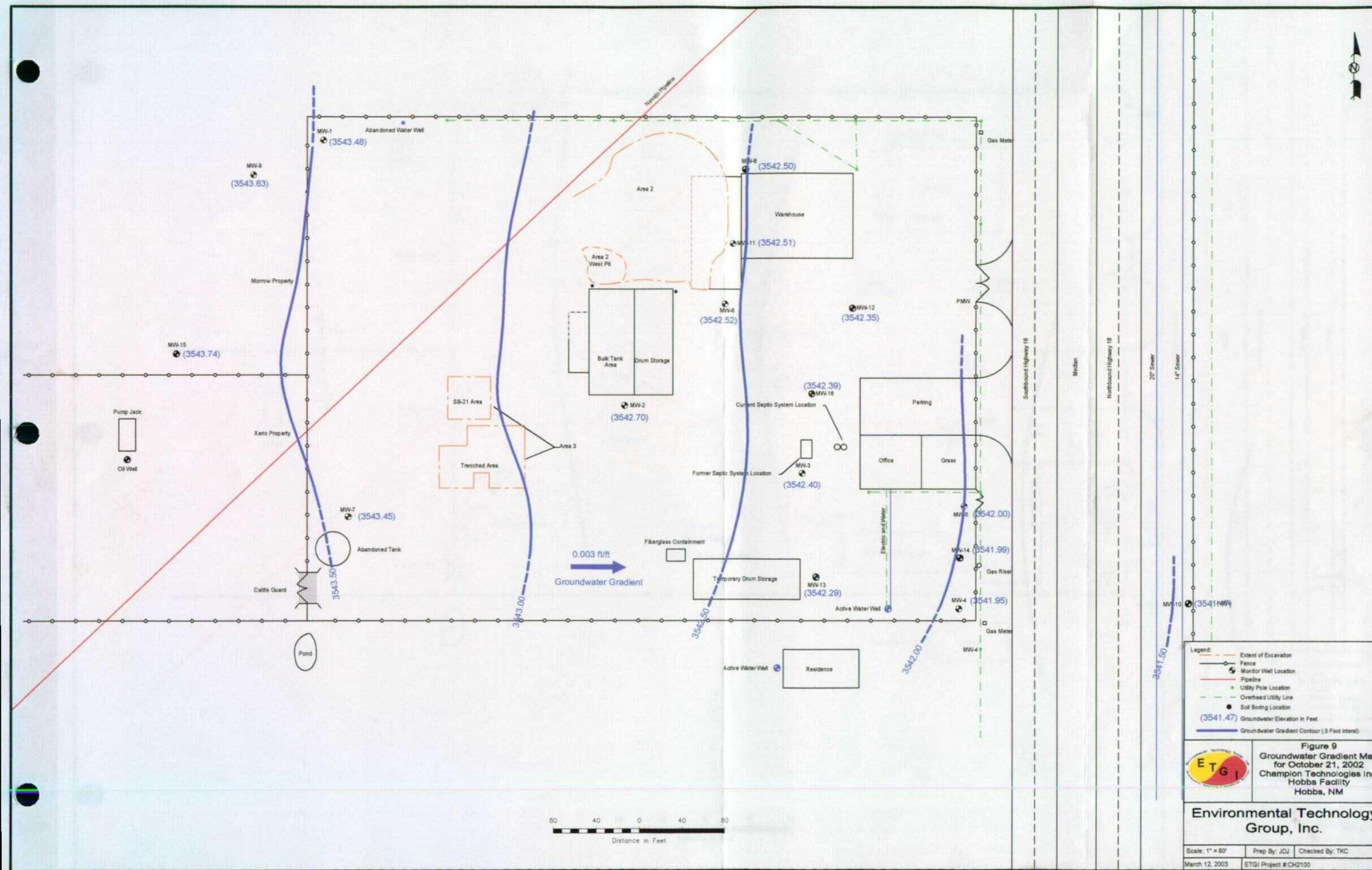


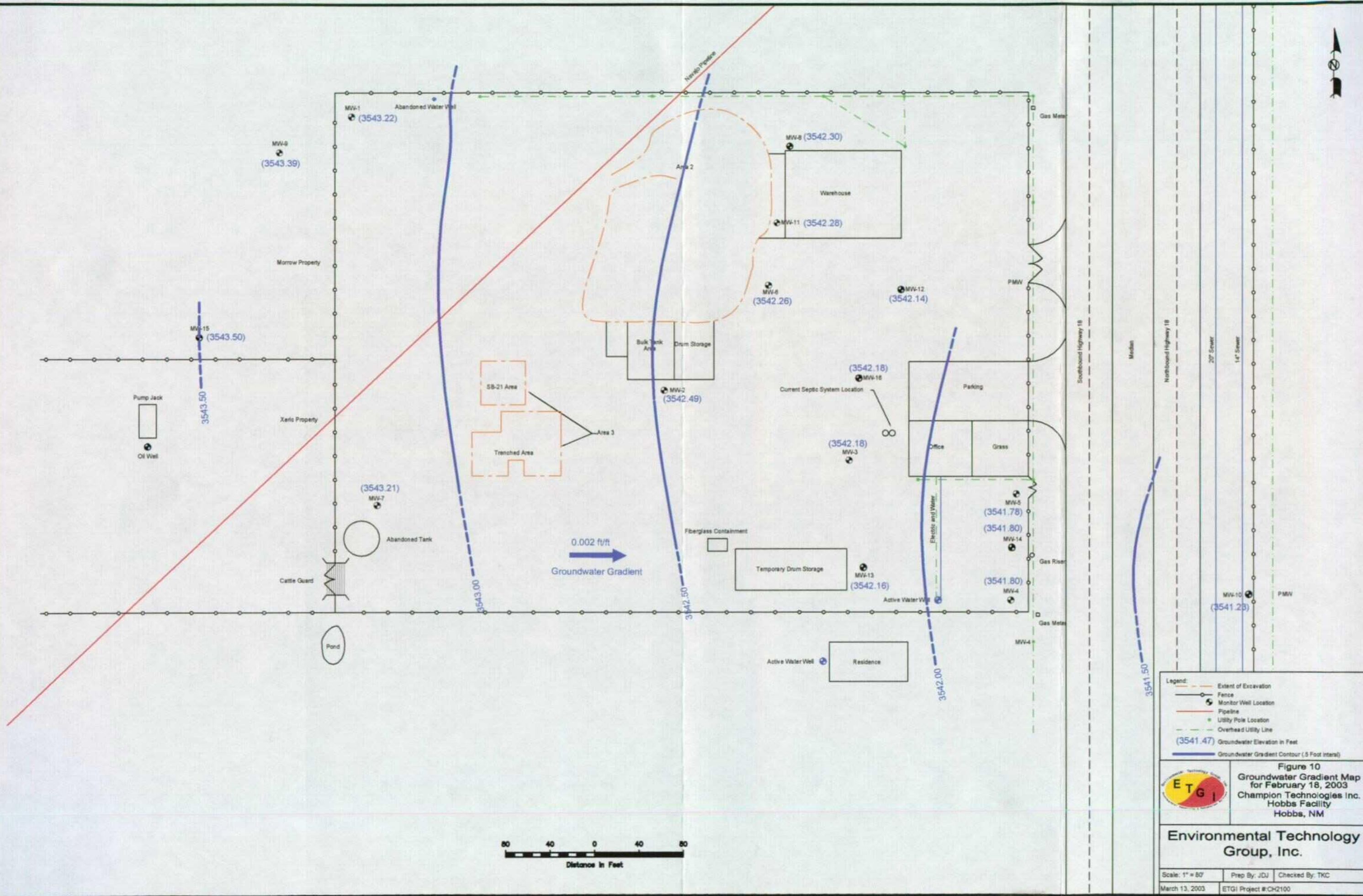
- Legend:
- Extent of Excavation
 - Fence
 - Monitor Well Location
 - Pipeline
 - Utility Pole Location
 - Overhead Utility Line
 - Soil Boring Location
 - Groundwater Elevation in Feet
 - Groundwater Gradient Contour (.5 Foot Interval)

Figure 8
Groundwater Gradient Map
for August 2, 2002
Champion Technologies Inc.
Hobbs Facility
Hobbs, NM

**Environmental Technology
Group, Inc.**

Scale: 1" = 80'
Prep By: JDJ Checked By: TKC
March 12, 2003 ETGI Project #CH2100



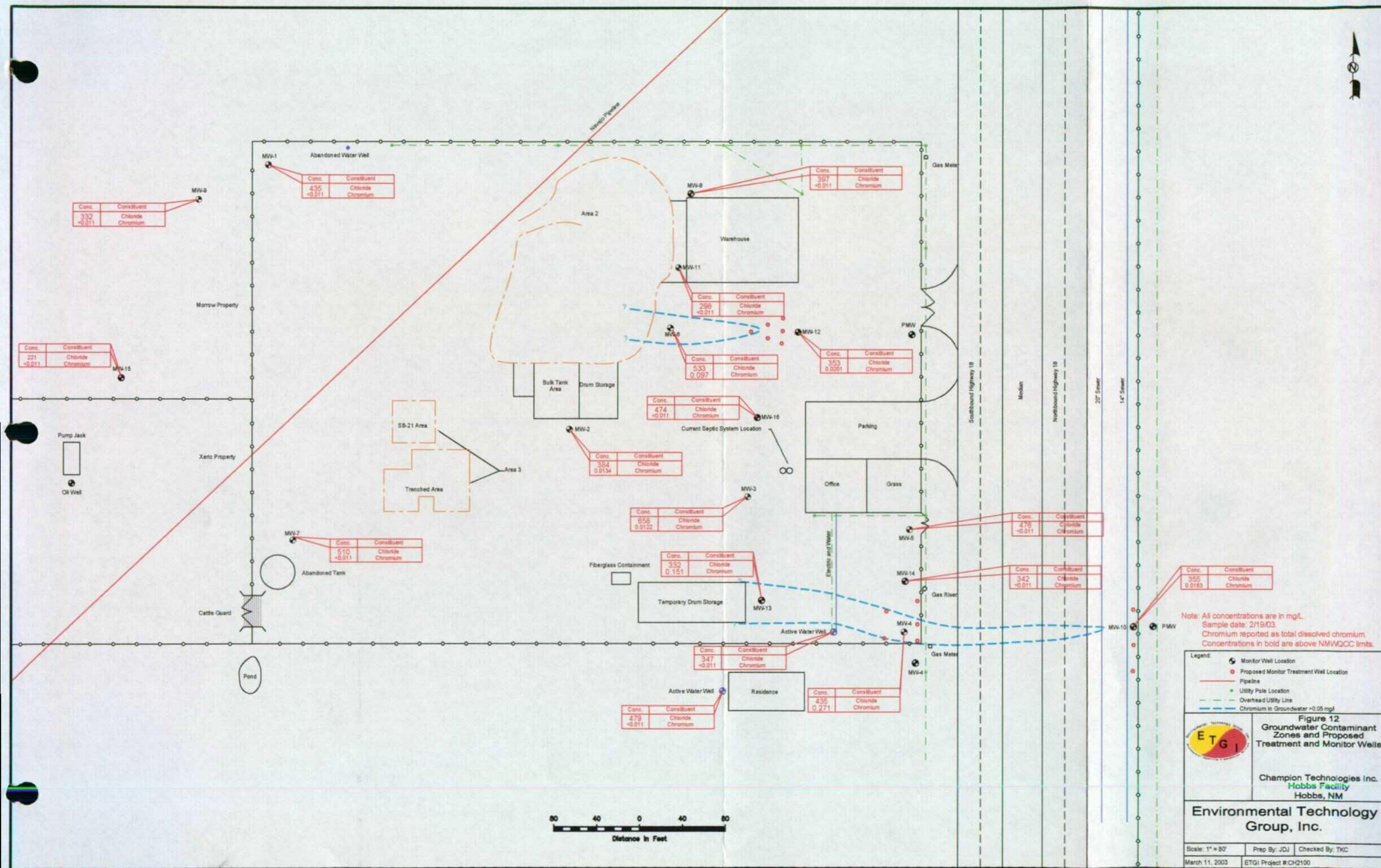


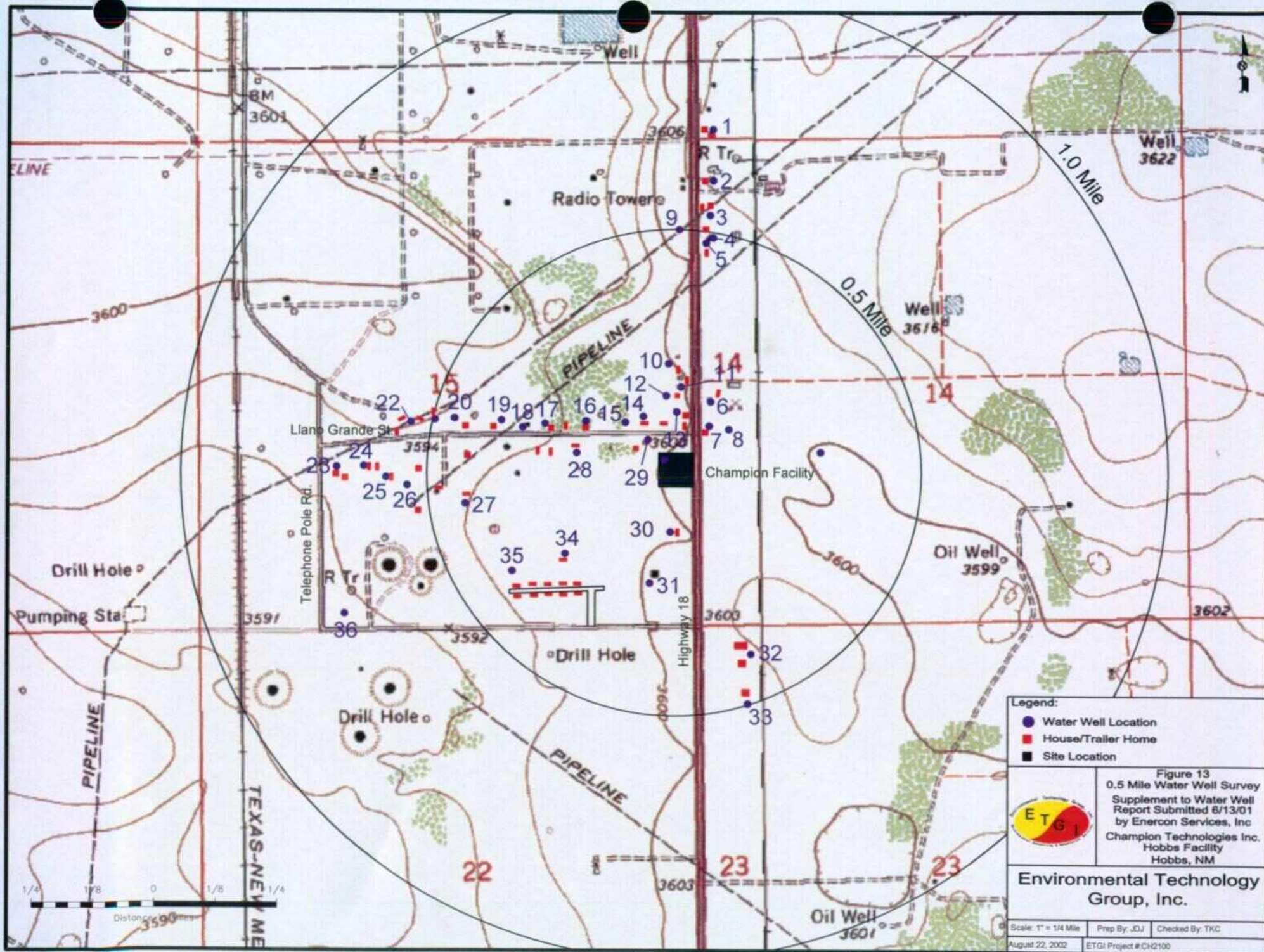
- Legend:**
- Extent of Excavation
 - Fence
 - Monitor Well Location
 - Pipeline
 - Utility Pole Location
 - Overhead Utility Line
 - Groundwater Elevation in Feet
 - Groundwater Gradient Contour (5 Foot Interval)

Figure 10
Groundwater Gradient Map
 for February 18, 2003
 Champion Technologies Inc.
 Hobbs Facility
 Hobbs, NM

Environmental Technology
Group, Inc.

Scale: 1" = 80' Prep By: JDJ Checked By: TKC
 March 13, 2003 ETGI Project #: CH2100

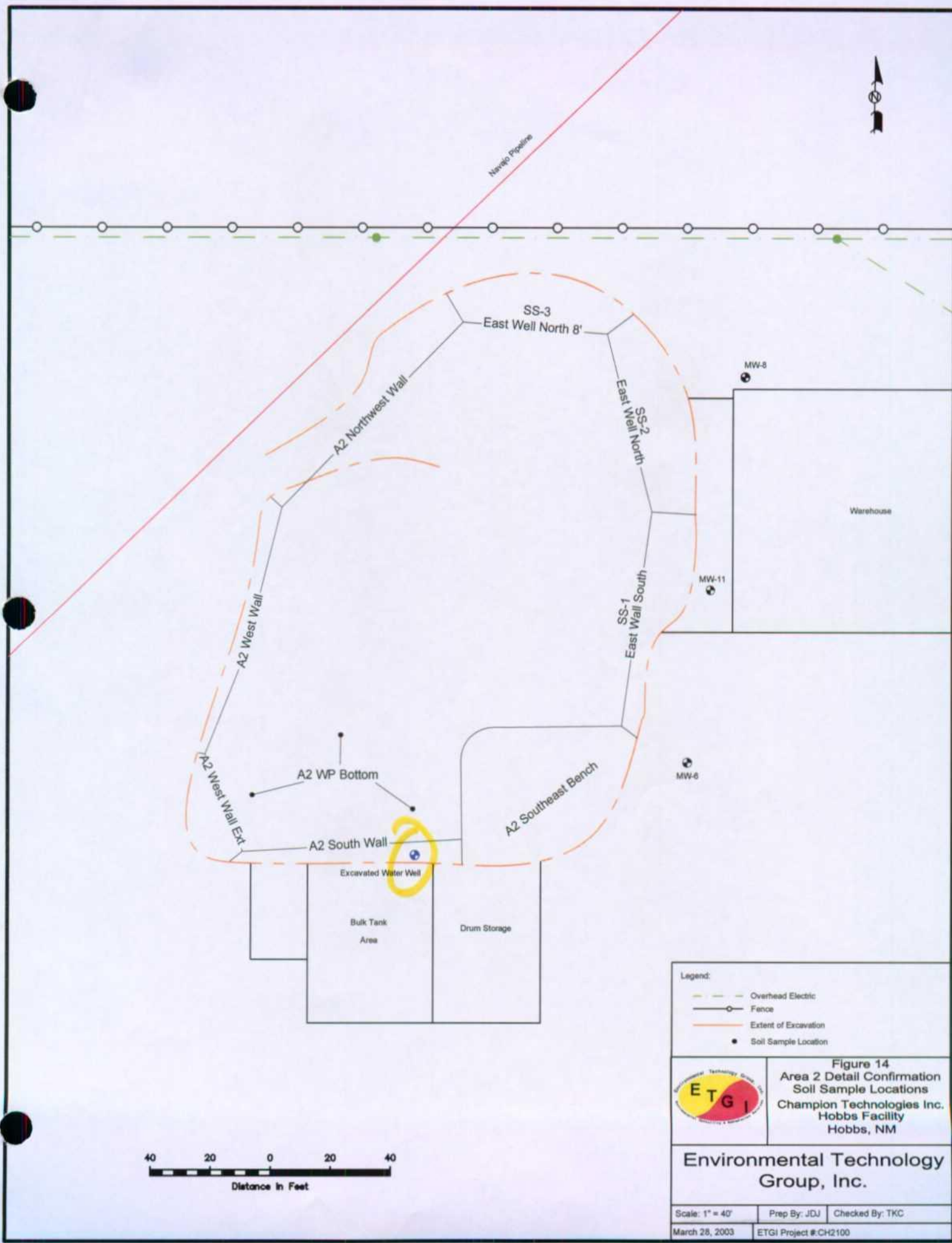




INDEX TO FIGURE 13


**Champion Technologies
Hobbs Facility
Hobbs, New Mexico
ETGI Project Number CH2100**

Well No. 1	Bull Rodgers Shop and Home	2412 S. Hwy 81/Eunice Hwy
Well No. 2	House	3028 S. Hwy 81/Eunice Hwy
Well No. 3	Caprock Communication	1 Mile S. Hwy 81/Eunice Hwy
Well No. 4	Bunk's Feed	3324 S. Hwy 81/Eunice Hwy
Well No. 5	Bunk Seleman Home	3324 S. Hwy 81/Eunice Hwy
Well No. 6	Trailer House	3624 S. Hwy 81/Eunice Hwy
Well No. 7	Office	3800 S. Hwy 81/Eunice Hwy
Well No. 8	Pate Trucking	3800 S. Hwy 81/Eunice Hwy
Well No. 9	Bunk Seleman's Third Well	1.25 Miles S. Hwy 81/Eunice Hwy
Well No. 10	Trailer House	3619 S. Hwy 81/Eunice Hwy
Well No. 11	Trailer House	3621 S. Hwy 81/Eunice Hwy
Well No. 12	House	3709 S. Hwy 81/Eunice Hwy
Well No. 13	House	3805 S. Hwy 81/Eunice Hwy
Well No. 14	Trailer House	526 Llano Grande
Well No. 15	Trailer House	528 Llano Grande
Well No. 16	House	500 Llano Grande
Well No. 17	House	416 Llano Grande
Well No. 18	House	328 Llano Grande
Well No. 19	House	320 Llano Grande
Well No. 20	House	230 Llano Grande
Well No. 21	Trailer House	206 Llano Grande
Well No. 22	Three Trailer Houses	108 Llano Grande
Well No. 23	Two Houses	3910 Telephone Pole Road
Well No. 24	Two Trailer Houses	329 Llano Grande
Well No. 25	House	125 Llano Grande
Well No. 26	Livestock Well	125 Llano Grande
Well No. 27	Trailer House	3930 Dalmont Street
Well No. 28	Trailer House	503 Llano Grande
Well No. 29	Bulldog Services Shop	3901 S. Hwy 81/Eunice Hwy
Well No. 30	Trailer House	4027 S. Hwy 81/Eunice Hwy
Well No. 31	House	4219 S. Hwy 81/Eunice Hwy
Well No. 32	Trailer House and House	5018 S. Hwy 81/Eunice Hwy
Well No. 33	Trailer House	5018A S. Hwy 81/Eunice Hwy
Well No. 34	Trailer House	218 Townsend Street
Well No. 35	300 Feet Behind Trailer House	106 Townsend Street
Well No. 36	Shell Pipeline New Hobbs Station	214 West County Road



Legend:

- Overhead Electric
- Fence
- Extent of Excavation
- Soil Sample Location

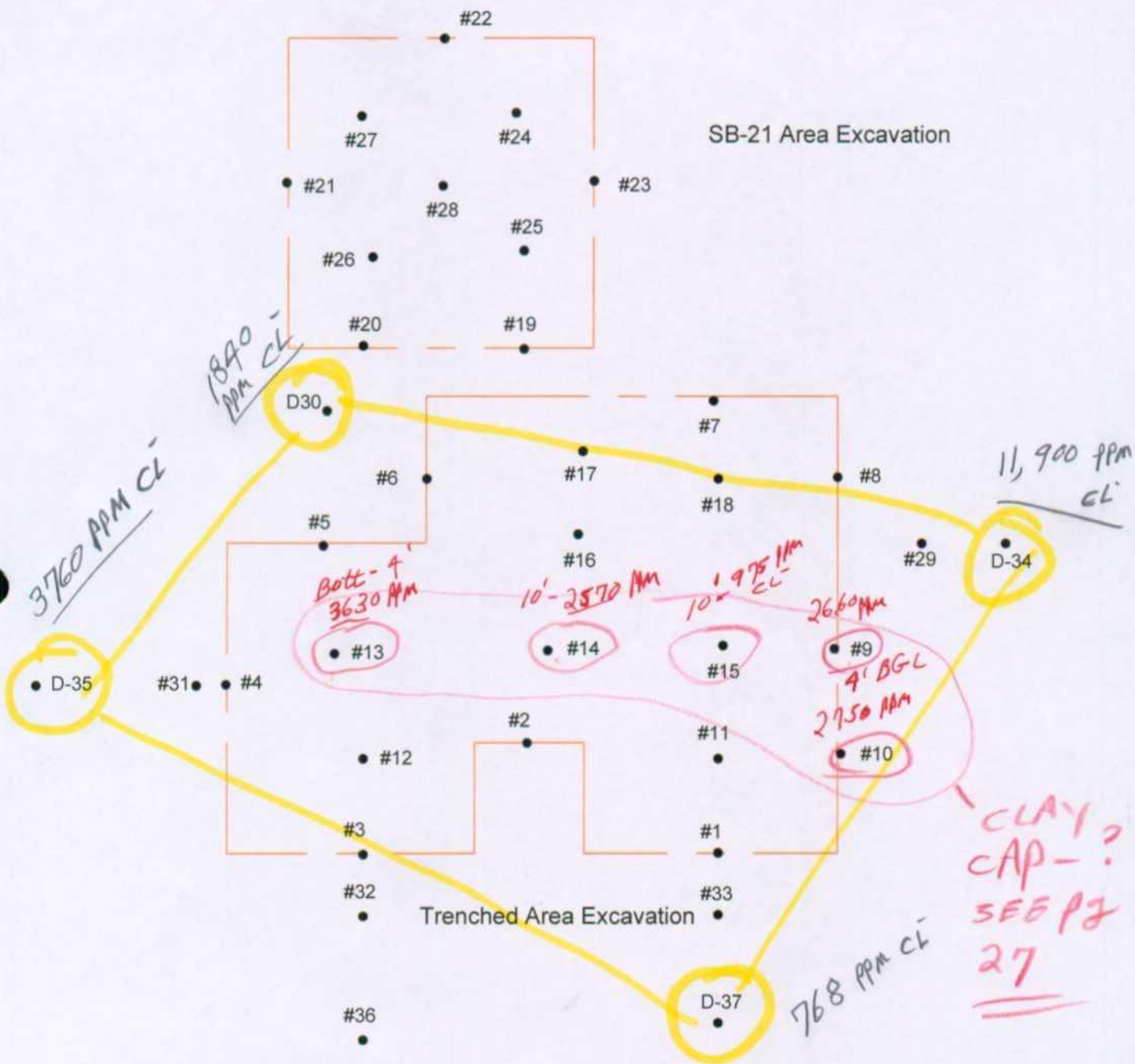
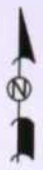


Environmental Technology Group, Inc.

Figure 14
Area 2 Detail Confirmation
Soil Sample Locations
Champion Technologies Inc.
Hobbs Facility
Hobbs, NM

Environmental Technology Group, Inc.

Scale: 1" = 40'	Prep By: JDJ	Checked By: TKC
March 28, 2003	ETGI Project # CH2100	



Legend: — Extent of Excavation • Soil Sample Location		
	Figure 15 Area 3 Confirmation Soil Sample Locations Champion Technologies Inc. Hobbs Facility Hobbs, NM	
	Environmental Technology Group, Inc.	
Scale: 1" = 20'	Prep By: JDJ	Checked By: TKC
March 28, 2003	ETGI Project #CH2100	

APPENDIX A
SOIL BORING LOGS

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 7/25/02
Boring/Well Name: SB-41



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 1': Caliche pad and gravel
-	SS	601	Strong	Heavy	2 - 15': Sand and debris, black heavy staining. Hydrocarbon and H2S odor
-					(5') Dry brittle material. Charcoal-like (burned?) Minor caliche and sand
-					
---10	SS	767	Very Strong	Heavy	
-					
-	SS	33	Strong	Moderate	15 - 25' Caliche with sand, strong odor, moderate staining, moderately hard.
-					
-					
---20	SS	70	Moderate	Moderate	Caliche nodule, less staining
-					
-					
-	NS	326			25 - 30' Calcrete, very hard, indurated with little sand
-					
---30	SS	217	Slight	None	30 - 42' Caliche with sand, softer, no staining, slight chemical odor
-					
-					
-					
-					
---40	NS				
-					42' Caliche with minor sand, hard, indurated
-					
-	NS	8.5	None	None	
-					
---50	NS	48	None	None	50 - 52' Calcrete, siliceous, very hard, indurated
-					52' Caliche with sand, moderately hard
-					
-		100	None	None	Possible water at 56.5'
-					Total depth at 57'
---60					

Completion Details: Plugged and abandoned

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 7/25/02
Boring/Well Name: SB-42

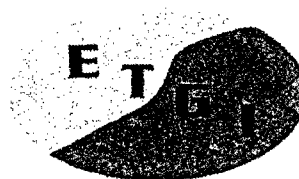


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 1.5' Caliche, gravel, asphalt
-	SS	3	None	None	1.5' Caliche. Moderately hard, dry, tan
-					
-					
---10	SS	4.8	None	None	
-					12 - 15' Caliche. Very hard, light buff color
-					
-	NS				15' Caliche. Less hard with cement and sand. No odor or discoloration.
-					
---20	SS	4.3	None	None	
-					
-					
-	NS	1.1	None	None	Too hard to collect sample.
-					
---30	NS				Too hard to collect sample.
-					
-					
-					
-					
---40					Total depth.
-					
-					
-					
-					
---50					
-					
-					
-					
-					
---60					

Completion Details: Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 7/26/02
Boring/Well Name: SB-43



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 5' Caliche pad. Unconsolidated. No odor or stain.
-	NS	ND	None	None	5 - 12' Caliche with sand, moderately hard
-					
-					
---10	NS				
-					12 - 20' Caliche with sand. Less hard.
-					
-					
-					
---20					Total depth
-					
-					
-					
-					
---30					
-					
-					
-					
-					
---40					
-					
-					
-					
-					
---50					
-					
-					
-					
-					
---60					

Completion Details: Samples collected for field screening only (odor, stain, PID, etc.). Plugged and abandoned.

FIELD BORING LOG



Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 7/26/02
Boring/Well Name: SB-44

DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-	SS		Possible	None	0 - 5' Caliche, sand
-					
-	SS		None	None	5' Caliche with sand, moderately hard, dry
-					
---10	SS		None	None	Total depth
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---30					
-					
-					
-					
-					
---40					
-					
-					
-					
-					
---50					
-					
-					
-					
-					
---60					

Completion Details: Samples collected for field screening only (odor, stain, PID, etc.). Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility

ETGI Project #: CH2100

Date Drilled: 7/26/02

Boring/Well Name: SB-45



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-	SS		None	None	0 - 5' Caliche and sand unconsolidated
-					
-					
-					
---5	SS		None	None	5 - 10' Caliche and sand. More consolidated, harder
-					
-					
-					
-					
---10	SS		None	None	Total depth
-					
-					
-					
-					
---15					
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: Samples collected for field screening only (odor, stain, PID, etc.). Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 8/06/02
Boring/Well Name: SB-46



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-			None	None	0 - 3' Caliche, sand unconsolidated
-					3 - 15' Caliche with sand, light brown, weakly to moderately cemented, dry
-					
-					
---10			None	None	
-					
-			None	None	15' Caliche, less sand. More consolidated.
-					
-					
---20			None	None	20 - 30' Calcrete, very hard. Light tan, almost white.
-					
-					
-					
-					
---30			None	None	30 - 45' Softer caliche with sand nodules, light brown, embedded in harder caliche.
-					
-					
-					
-					
---40	CB				
-	CB				
-	CB				
-	CB				45' Calcrete. Very hard, indurated
-					
---50					Moisture at 50'. Total depth. Refusal.
-					
-					
-					
-					
---60					

Completion Details: Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility

ETGI Project #: CH2100

Date Drilled: 10/01/02

Boring/Well Name: SB-47

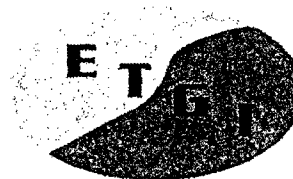


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-			Strong	Heavy	0 - 6" Concrete
-			Strong	Heavy	0.5 - 2' Clayey sand, topsoil, caliche, heavily stained from 1 - 2' Strong chemical odor
-	SS		None	None	No staining in soil sample at 2.5'
-					3.5 - 5' Caliche with sand, unconsolidated
---5	SS				Soil sample at 5'. No stain or odor. Terminated boring. Total depth.
-					
-					
-					
-					
---10					
-					
-					
-					
-					
---15					
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: Plugged and abandoned

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 10/01/02
Boring/Well Name: SB-48



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 6" Concrete
-					0.5 - 3.5' Topsoil, caliche, clayey sand
-	SS		None	None	3.5 - 5' Caliche with silty sand. Soft, unconsolidated, yellowish tan.
-					
---5	SS		None	None	Total depth.
-					
-					
-					
-					
---10					
-					
-					
-					
-					
---15					
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 09/27/02
Boring/Well Name: SB-49



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 6" Concrete
-			Slight	Heavy	0.5 - 2' Caliche with sand. Heavily stained, slight chemical odor.
-	SS		None	None	2 - 25' Caliche with minor sand, light tan, hard caliche fragments, dry
-					
---10	SS	8.1		None	
-					
-	SS	11.8	Slight	None	
-					
-					
---20	SS	7.3	Slight	None	Definite hydrocarbon / chemical odor.
-					
-					
-					25 - 37' Caliche. Very hard. Strongly cemented sand coarse to fine
-					
---30	NS				Too hard to collect sample 30 - 35'
-					
-	NS				
-					37 - 52' Caliche with sand less consolidated. Hard caliche fragments and softer sandy caliche nodules
-					
---40	SS	2.0	None	None	
-					
-					
-	ND				
-					
---50	SS	4.2	None	None	
-					52 - 53' Sandy caliche, fine medium brown
-	SS				53 - 57' Calcrete. Very hard, indurated. Light tan to buff color.
-	NS				Too hard to collect soil sample at 57'. Total depth.
-					
---60					

Completion Details: Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 10/01/02
Boring/Well Name: SB-50

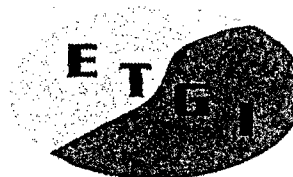


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 0.5' Concrete pad
-	SS	8.9	None	None	0.5 - 3' Light tan/ brown caliche with sand
-					3 - 12' Light red/ brown sand
-					
---5	SS	2.7	None	None	
-					
-					
-					
-					
---10	SS	6.3	None	None	
-					
-					12 - 21' Light brown/ buff caliche
-					
-					
---15	NS				
-					
-					
-					
-					
---20	NS				
-					21 - 28' Light tan caliche with sand
-					
-					
-					
---25	SS		None	None	
-					
-					
-					28 - 30' Light red/ brown sand with caliche.
-					
---30	NS				Total depth.

Completion Details: No groundwater encountered. Plugged and abandoned.
--

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 10/03/02
Boring/Well Name: SB-51



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 6" Concrete
-					0.5 - 3' Clayey sand. Reddish brown with caliche fragments
-	SS		None	None	3 - 7' Clayey sand, caliche, heavily stained, strong chemical odor, debris (especially wood fragments)
-					
---5					
-					
-					7 - 10' Caliche with sand. Reddish brown turning to tan with depth.
-					
-					
---10	SS		None	None	No visual evidence of staining. Total depth.
-					
-					
-					
-					
---15					
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: Plugged and abandoned.

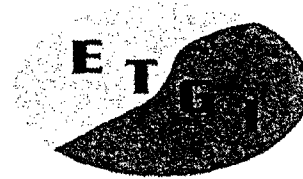
FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility

ETGI Project #: CH2100

Date Drilled: 10/02/02

Boring/Well Name: SB-52 (by old leach lines)

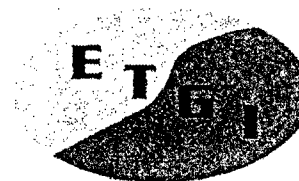


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 4' Caliche pad & leach line backfill
-					4 - 12' Light tan sand with caliche
-	SS		None	None	
-					
---10	SS		None	None	
-					12' - 27' Light tan caliche
-	NS				
-					
-					
---20	NS				
-					
-	SS		None	None	
-					27 - 41' Light tan/ brown caliche with sand
-					
---30	NS				
-					
-	SS		None	None	
-					
-					
---40	SS		None	None	41 - 48' Light red/ brown sand
-					
-	SS		None	None	
-					
-					48 - 54' Calcrete. Extremely hard.
---50					
-					
-					54 - 56' Red/ brown sand
-					56' Total depth
-					
---60					

Completion Details: Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 10/03/02
Boring/Well Name: SB-53



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 6" Concrete
-	SS		Strong	Heavy	6" - 4' Clayey sand, caliche with rock fragments
-					4 - 15' Clayey sand with caliche, debris wood, rubber, metal, cardboard, etc.
-					
---10	SS		Strong	Heavy	Heavy staining, very strong chemical odor, very moist
-					
-	SS	368.0	Slight	Light	15 - 16' Caliche with sand, no staining
-					16 - 44' Light tan caliche with sand
-					
---20	NS				
-					
-	NS				
-					
-					
---30	NS				
-					
-	SS		None	None	
-					
-					
---40	SS	0.9	None	None	
-					
-	SS	0.2	None	None	44 - 46' Light tan/ brown sand with caliche
-	NS				46 - 49' Silcrete, red/ brown, hard
-	SS	0.9	None	None	49 - 51' Light tan to buff caliche with brown sand
---50					
-	NS				51 - 53' Silcrete, red/ brown, hard
-					53' Light red/ brown sand, slightly damp. Total depth.
-					
-					
---60					

Completion Details: No groundwater encountered. Plugged & abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 10/02/02
Boring/Well Name: SB-55

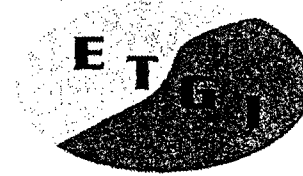


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 2' Caliche pad.
-	SS		None	None	2 - 18' Light tan caliche with sand
-					
-					
---10					
-					
-					
-					
-					
---20	SS		None	None	18 - 26' Light tan/ brown caliche
-					
-					
-					26 - 29' Red/ brown sand.
-					29 - 34' Light tan to brown caliche
---30					
-					
-					34 - 40' Light tan sand with caliche
-					
-					
---40	SS		None	None	Total depth.
-					
-					
-					
-					
---50					
-					
-					
-					
-					
---60					

Completion Details: No groundwater encountered. Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 10/02/02
Boring/Well Name: SB-56



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 4' Packed caliche pad
-	SS	ND	None	None	4 - 20' Caliche with sand, tan, weakly cemented, dry
-					
-					
---10					
-					
-					
-					
-					
---20	SS		None	None	20 - 32' Calcrete, very hard, dry, strongly cemented zones alternate with weakly cemented sandy zones.
-					
-					
-					
-					
---30					
-					32 - 40' Caliche with minor sand, tan, dry, fractured very hard caliche fragments
-					
-					
-					
---40	SS		None	None	Total depth.
-					
-					
-					
-					
---50					
-					
-					
-					
-					
---60					

Completion Details: Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 09/27/02
Boring/Well Name: SB-57



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-	SS	1.3	None	None	0 - 6" Concrete
-					0.5 - 2' Caliche fill and topsoil
-	SS	797	Very Strong	Heavy	2 - 9' Caliche, sand, heavily stained, debris, moderate moisture. Very strong chemical odor
-					
---10	SS	1099	Very Strong	Heavy	9 - 16' Sand with caliche, medium grain, reddish brown, unconsolidated, weakly cemented.
-					Out of stain
-					
-	SS	ND	None	None	16 - 42' Caliche with sand, light tan, moderately hard to very hard, dry, some thin sandy caliche layers- softer
-					
---20	NS				Too hard to sample
-					
-	SS	ND	None	None	Softer at 25'. Collect sample
-					
-					
---30	NS				Too hard to collect at 30', 35', 40'.
-					
-	NS				
-					
-					
---40	NS	ND			
-					42 - 54' Calcrete, very hard, indurated. Light tan to white.
-	SS	ND	None	None	
-					
-					
---50	NS				
-					
-					54 - 57' Sand, reddish brown. Medium to fine grained.
-					
-					57' Total depth
---60					

Completion Details: Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility

ETGI Project #: CH2100

Date Drilled: 09/30/02

Boring/Well Name: SB-58

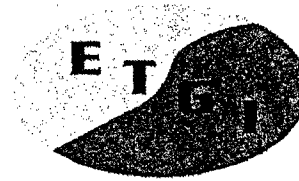


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 6" Concrete
-					0.5 - 2.5' Sand, caliche pad, topsoil
-	SS	273	Strong	Heavy	2.5 - 13' Sandy caliche, heavy staining, strong odor
-					
---5	SS	631	Strong	Heavy	
-					
-					
-					
-					
---10	SS	370	Strong	Heavy	
-					
-					
-					13 - 16' Light tan/ brown caliche
-					
---15	SS	47.6	Moderate	Light	
-					16 - 30' Light tan/ buff caliche
-					
-					
-					
---20	NS				
-					
-					
-					
-					
---25	SS	3.7	None	None	
-					
-					
-					
-					
---30	NS				Total depth.

Completion Details: Plugged and abandoned. No groundwater encountered.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 9/30/02
Boring/Well Name: SB-59



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 1' Concrete pad
-	SS	543	Strong	Heavy	1 - 2' Light red/ brown caliche with sand
-					2 - 14' Heavy black stained sand with caliche
-					
---5	SS		Strong	Heavy	
-					
-					
-					
-					
---10	SS	440	Strong	Heavy	
-					
-					
-					
-				Light	14 - 16' Light tan, brown caliche
---15	NS				
-					16 - 20' Light tan caliche
-					
-					
-					
---20	SS	2.8			Total depth
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: No groundwater encountered. Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility

ETGI Project #: CH2100

Date Drilled: 10/01/02

Boring/Well Name: SB-60

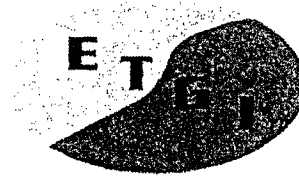


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 6" Concrete
-	SS	22.7	Strong	Heavy	0.5 - 4.5' Sandy caliche, rock fragments, strong chemical odor, staining, dense (compacted?)
-					
-					
---5	SS	1.4	None	None	4.5 - 10' Sandy caliche, weakly consolidated to strongly cemented. Reddish brown sand. Minor clay, Calcrete fragments
-					
-					
-					
-					
---10	SS	2.6	None	None	Total depth
-					
-					
-					
-					
---15					
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: Plugged and abandoned

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 10/01/02
Boring/Well Name: SB-61



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 1' Concrete pad
-	SS	16.4	None	Moderate	1 - 2' Light reddish brown caliche with sand
-					2 - 3' Black stained sand with caliche
-					3 - 10' Light tan caliche with sand
---5	SS		None	None	
-					
-					
-					
-					
---10	SS	8.0	None	None	Total depth
-					
-					
-					
-					
---15					
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: No groundwater encountered. Plugged and abandoned.
--

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility

ETGI Project #: CH2100

Date Drilled: 10/1/02

Boring/Well Name: SB-62



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-	SS	22.0	None	Moderate	0 - 1' Caliche pad
-					1 - 4' Light brownish red caliche with sand
-	SS		Strong	Heavy	4 - 15' Black stained sand with caliche
-					
---10	SS	471.0	Strong	Heavy	
-					
-					
-	SS		None	None	15 - 23' Light tan/ brown caliche
-					
---20	NS				
-					23 - 36' Light tan/ buff caliche
-	SS		None	None	
-					
-					
---30	NS				
-					
-	NS				
-					36 - 40' Light tan sand with caliche
-					
---40	SS	9.6	None	None	Total depth
-					
-					
-					
-					
---50					
-					
-					
-					
-					
---60					

Completion Details: No groundwater encountered. Plugged and abandoned.

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 10/02/02
Boring/Well Name: SB-63



DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 1' Packed caliche, topsoil
-					1 - 9' Caliche with sand. Light brown. No odor, no staining
-					
-					
---5					
-					
-					
-					
-					9 - 11' Caliche with Calcrete fragments, strongly cemented sand, dry. No odor or discoloration.
---10					
-					Total depth. No samples collected
-					
-					
-					
---15					
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: Plugged and abandoned

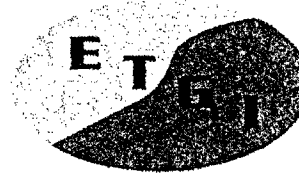
FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility

ETGI Project #: CH2100

Date Drilled: 10/02/02

Boring/Well Name: SB-64

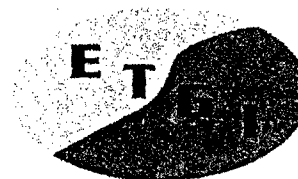


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-				NO	0 - 1': Packed caliche, dark brown sand, clay, gravel.
-					1 - 5': Caliche with sand, unconsolidated tan, dry
-					
-					
---5					Total depth
-					
-					
-					
-					
---10					
-					
-					
-					
-					
---15					
-					
-					
-					
-					
---20					
-					
-					
-					
-					
---25					
-					
-					
-					
-					
---30					

Completion Details: Plugged and abandoned

FIELD BORING LOG

Site Name: Champion Technologies, Hobbs Facility
ETGI Project #: CH2100
Date Drilled: 7/25/02
Boring/Well Name: SB-41

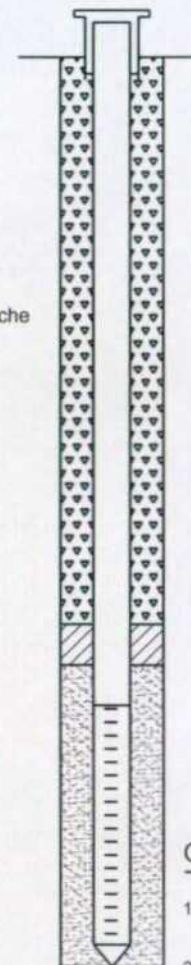
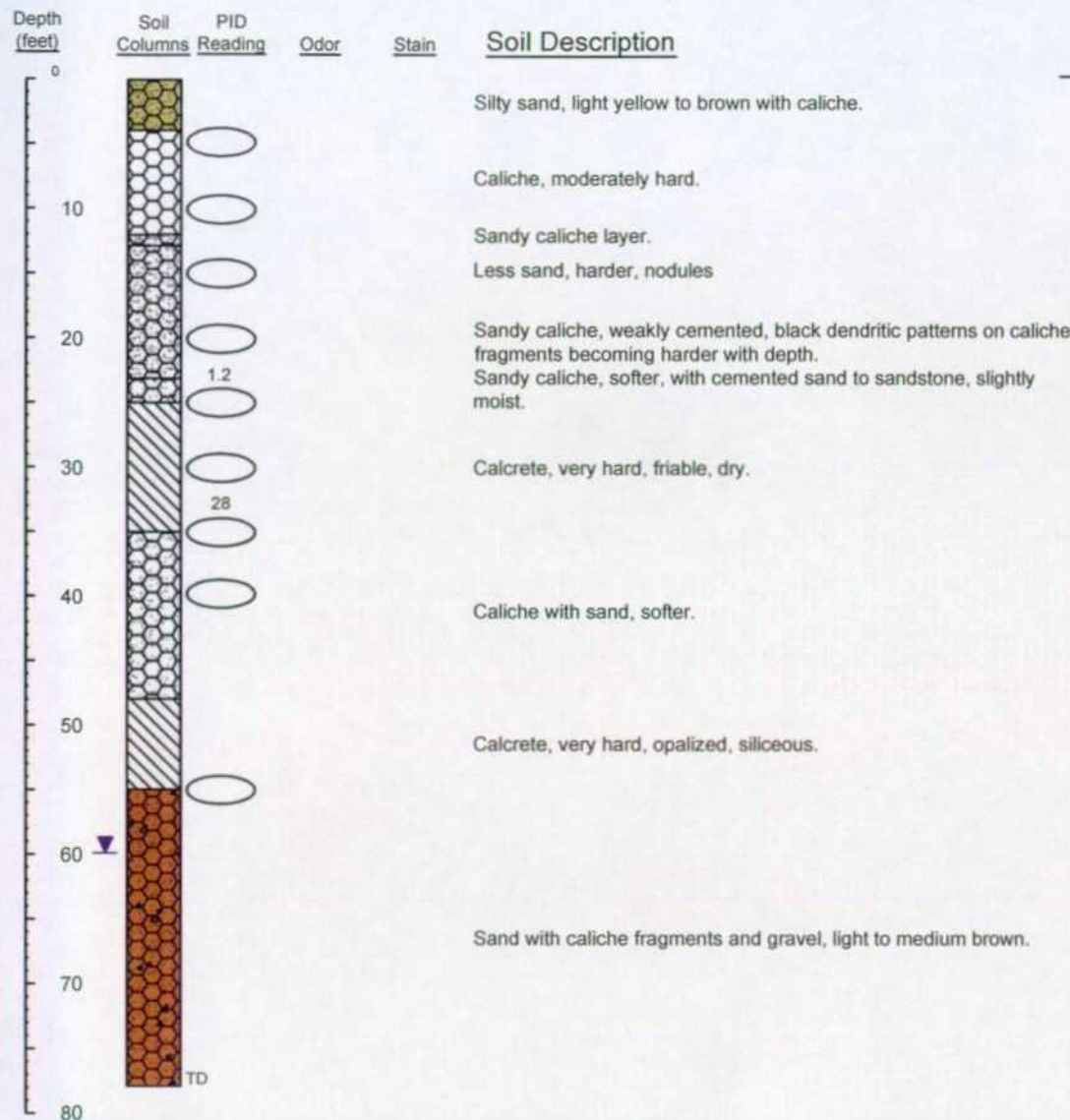


DEPTH	LAB SAMPLE	PID (ppm)	ODOR	STAIN	SOIL DESCRIPTION
-					0 - 1': Caliche pad and gravel
-	SS	601	Strong	Heavy	2 - 15': Sand and debris, black heavy staining. Hydrocarbon and H2S odor
-					(5') Dry brittle material. Charcoal-like (burned?) Minor caliche and sand
-					
---10	SS	767	Very Strong	Heavy	
-					
-	SS	33	Strong	Moderate	15 - 25' Caliche with sand, strong odor, moderate staining, moderately hard.
-					
-					
---20	SS	70	Moderate	Moderate	Caliche nodule, less staining
-					
-					
-	NS	326			25 - 30' Calcrete, very hard, indurated with little sand
-					
---30	SS	217	Slight	None	30 - 42' Caliche with sand, softer, no staining, slight chemical odor
-					
-					
-					
-					
---40	NS				
-					42' Caliche with minor sand, hard, indurated
-					
-	NS	8.5	None	None	
-					
---50	NS	48	None	None	50 - 52' Calcrete, siliceous, very hard, indurated
-					52' Caliche with sand, moderately hard
-					
-		100	None	None	Possible water at 56.5'
-					Total depth at 57'
---60					

Completion Details: Plugged and abandoned

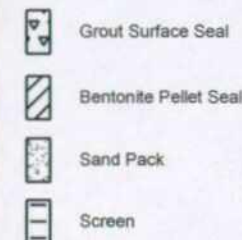
APPENDIX B
MONITOR WELL LOGS & WELL COMPLETION DIAGRAMS

Monitor Well MW-8



Monitor Well Details

Date Drilled 07 - 29 - 02
 Thickness of Bentonite Seal 3 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 69 ft
 Depth of Exploratory Well 78 ft
 Depth of color 60 ft



Indicates the groundwater level measured on date.
 Indicates samples selected for laboratory submittal.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-8

Champion Technologies, Inc. Hobbs Facility

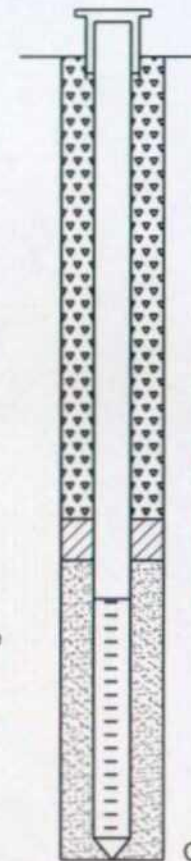
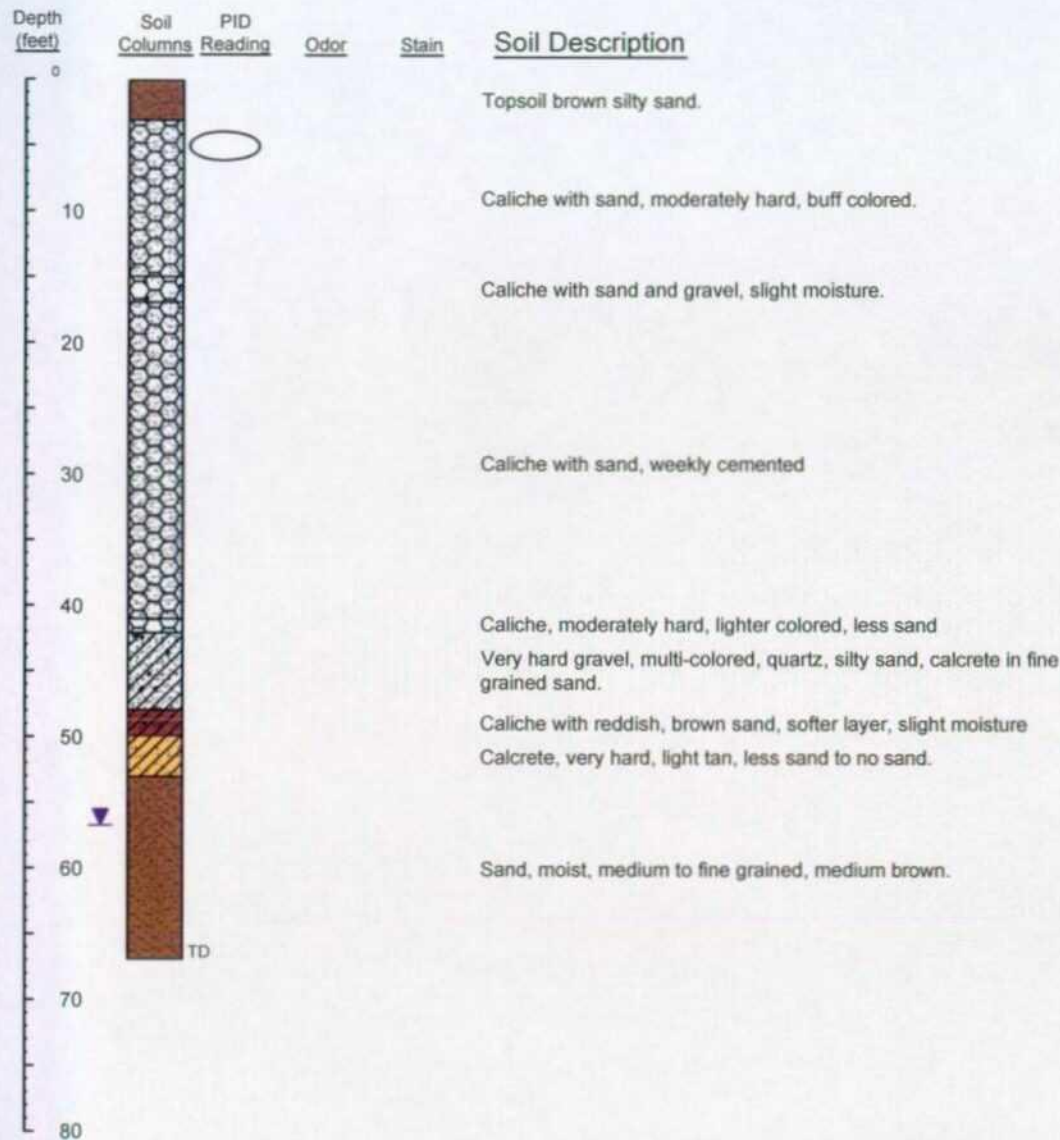
Hobbs, NM



Environmental Technology
 Group, Inc.

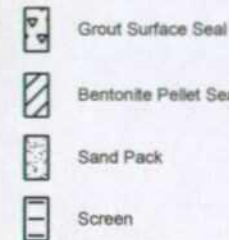
Prep By: JDJ Checked By: TKC
 March 11, 2003 ETGI Project # CH2100

Monitor Well MW-9



Monitor Well Details

Date Drilled 07 - 26 - 02
 Thickness of Bentonite Seal 3 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 61 ft
 Depth of Exploratory Well 67 ft
 Depth to Groundwater 57 ft



Indicates the groundwater level measured on date.
 Indicates samples selected for laboratory submittal.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-9

Champion Technologies, Inc. Hobbs Facility

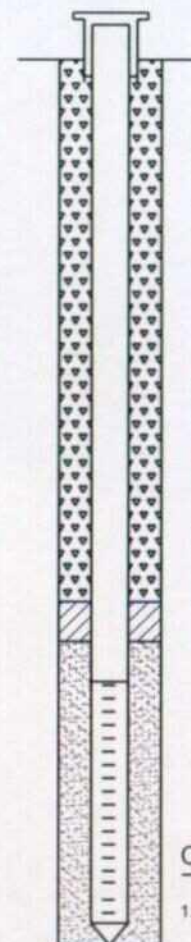
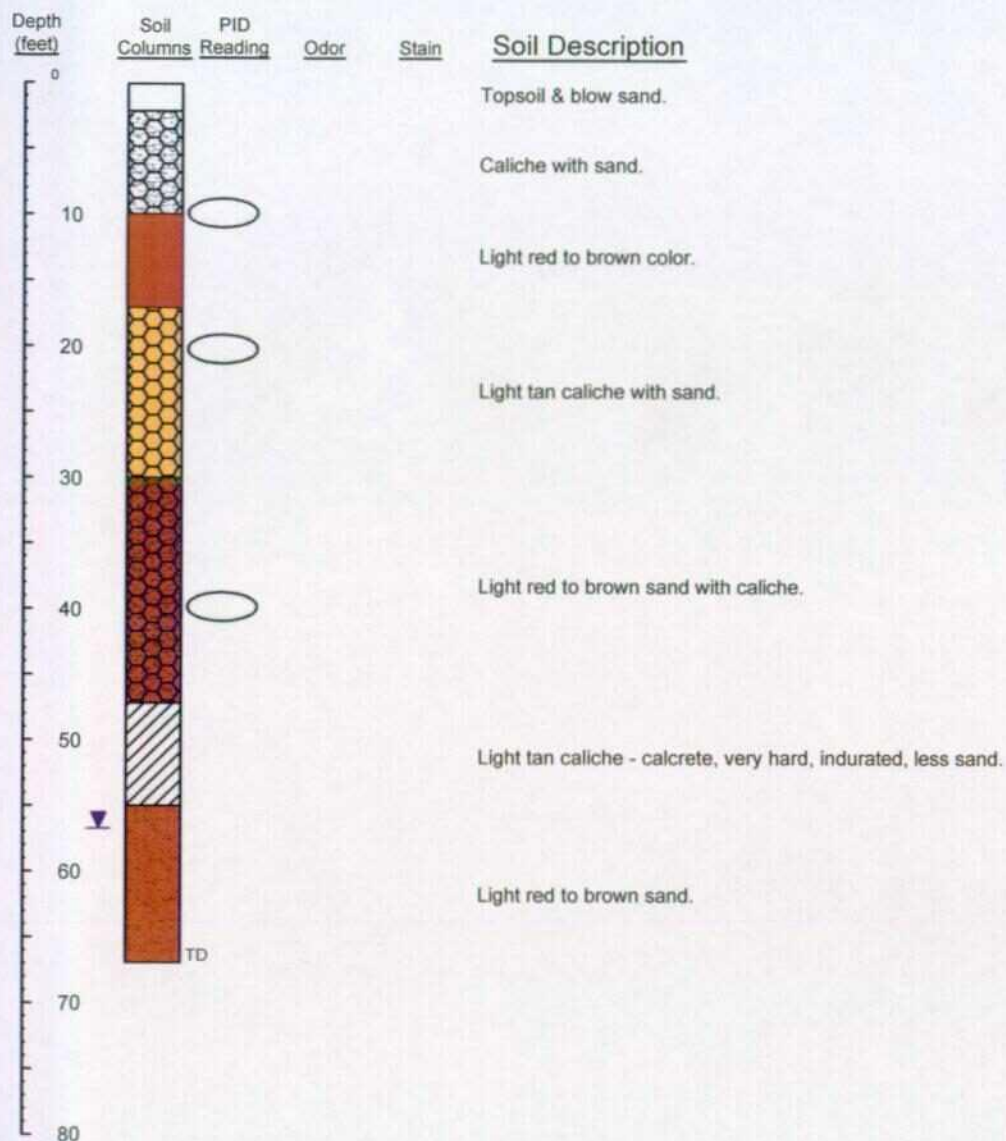
Hobbs, NM



Environmental Technology
Group, Inc.

Prep By: JDJ
 Checked By: TKC
 March 11, 2003
 ETGI Project # CH2100

Monitor Well MW-10



Monitor Well Details

Date Drilled 10 - 10 - 02
 Thickness of Bentonite Seal 6 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 67 ft
 Depth of Exploratory Well 67 ft
 Depth to Groundwater 57 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates the groundwater level measured on date.
- Indicates samples selected for laboratory submittal.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked flush steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-10

Champion Technologies, Inc. Hobbs Facility

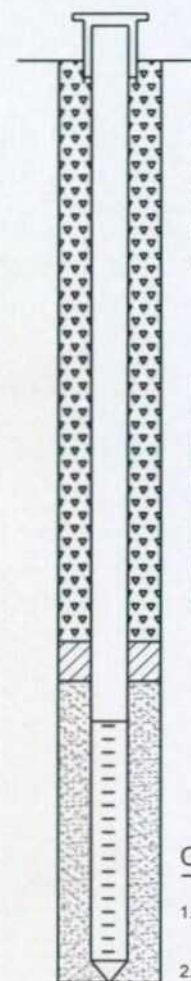
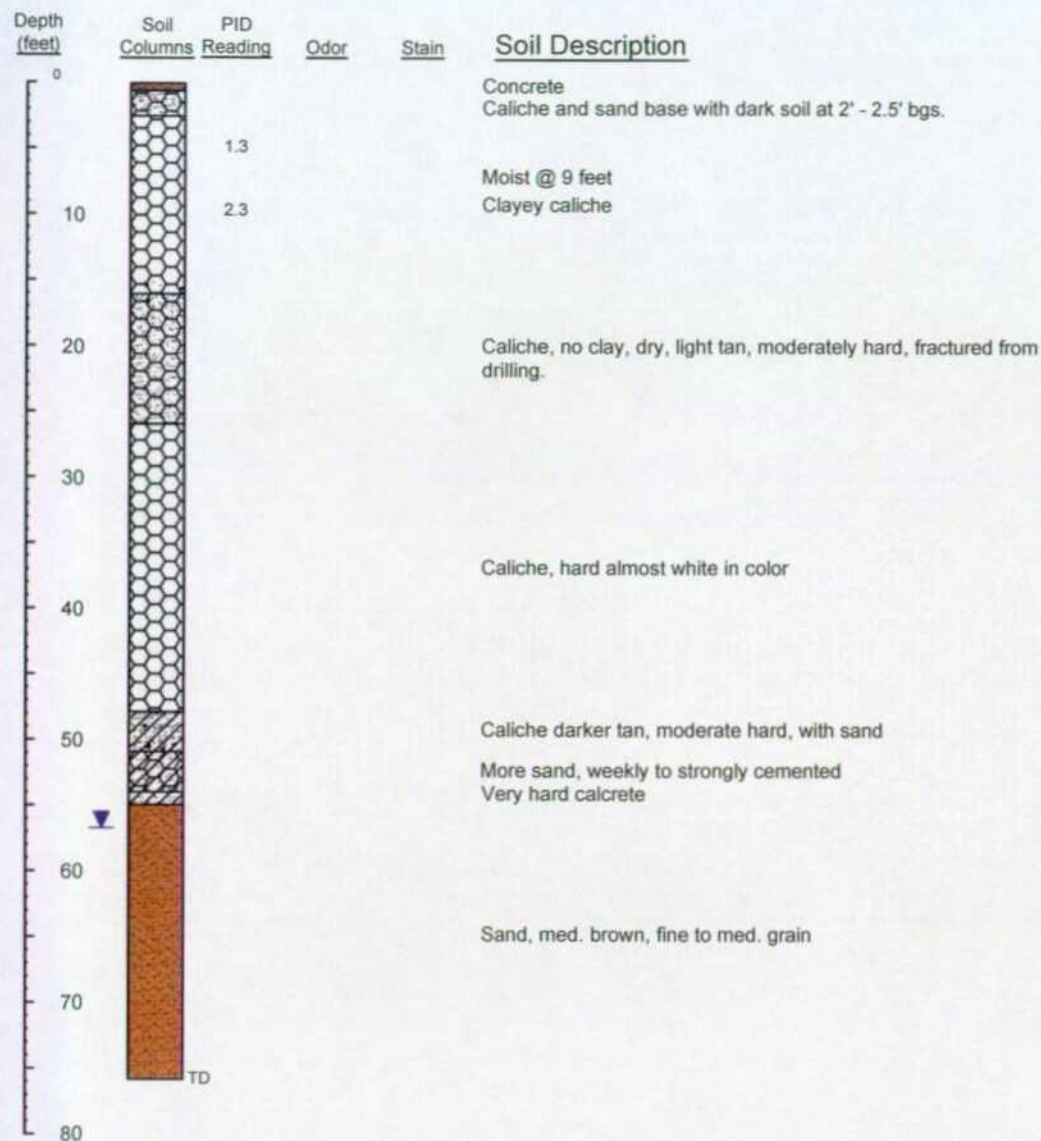
Hobbs, NM



Environmental Technology
Group, Inc.

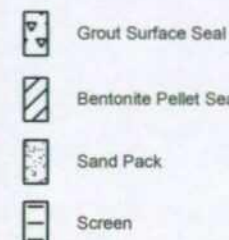
Prep By: BN
 Checked By: TKC
 March 11, 2003
 ETGI Project # CH2100

Monitor Well MW-11



Monitor Well Details

Date Drilled 09 - 24 - 02
 Thickness of Bentonite Seal 3 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 70 ft
 Depth of Exploratory Well 76 ft
 Depth to Groundwater 57 ft



▼ Indicates the groundwater level measured on date.
 ○ Indicates samples selected for laboratory submittal.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked flush steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-11

Champion Technologies, Inc. Hobbs Facility

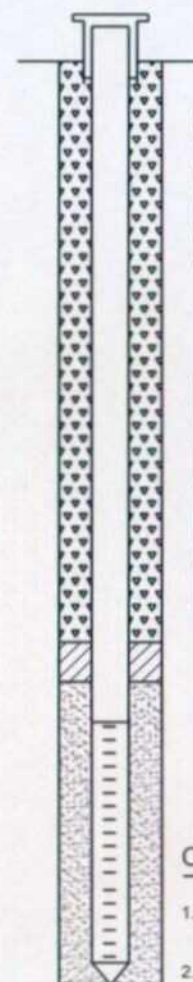
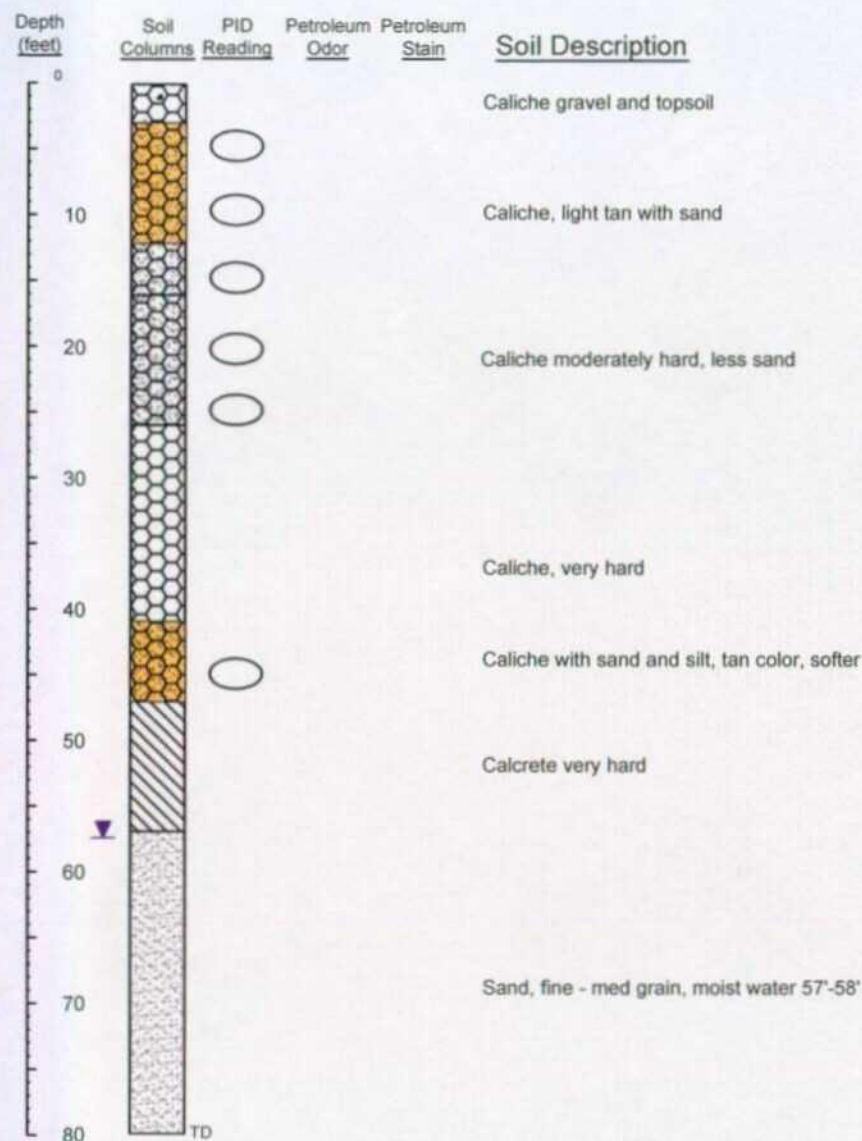
Hobbs, NM



Environmental Technology
Group, Inc.

Prep By: JDJ Checked By: TKC
 March 11, 2003 ETGI Project # CH2100

Monitor Well MW-12



Monitor Well Details

Date Drilled 09 - 25 - 02
 Thickness of Bentonite Seal 3 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 70 ft
 Depth of Exploratory Well 80 ft
 Depth to Groundwater 57 ft



Indicates the groundwater level measured on date.
 Indicates samples selected for laboratory submittal.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-12

Champion Technologies, Inc. Hobbs Facility

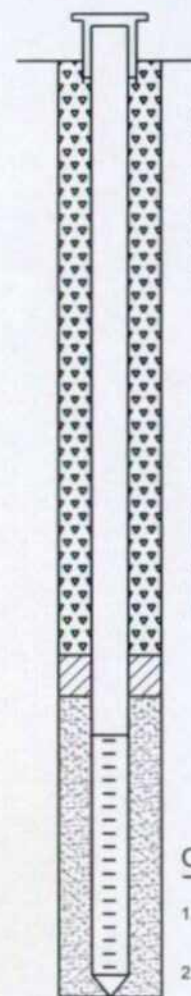
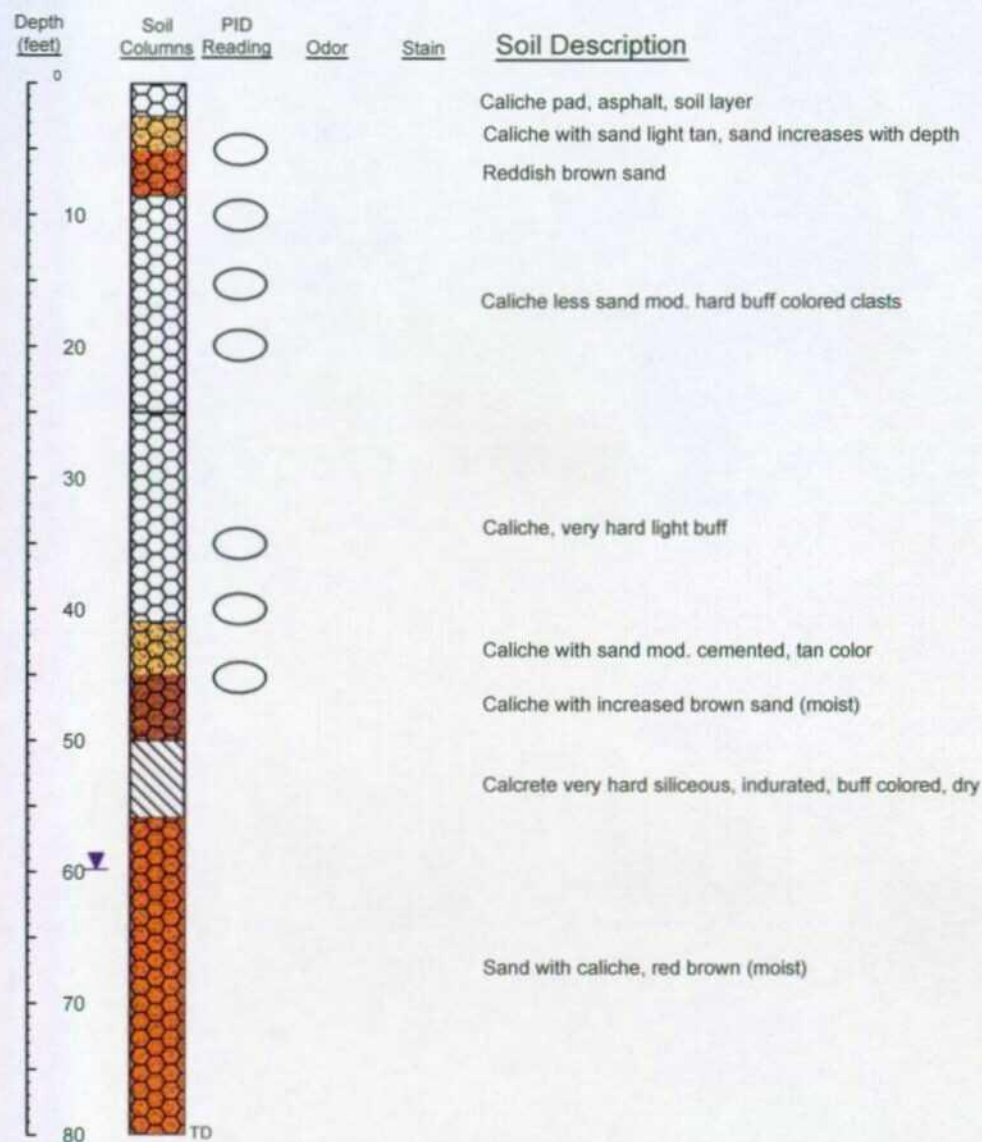
Hobbs, NM



Environmental Technology
 Group, Inc.

Prep By: BN Checked By: TKC
 March 11, 2003 ETGI Project # CH2100

Monitor Well MW-13



Monitor Well Details

Date Drilled 10 - 09 - 02
 Thickness of Bentonite Seal 3 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 71 ft
 Depth of Exploratory Well 80 ft
 Depth to Groundwater 60 ft



Indicates the groundwater level measured on date.
 Indicates samples selected for laboratory submittal.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-13

Champion Technologies, Inc. Hobbs Facility

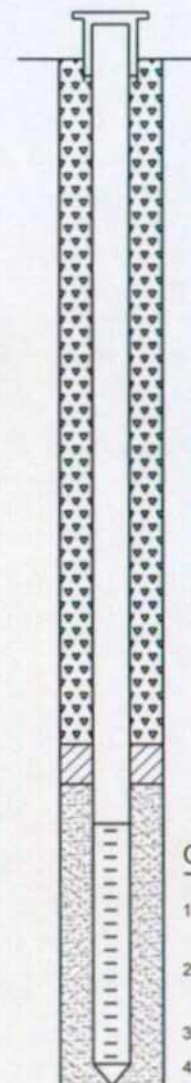
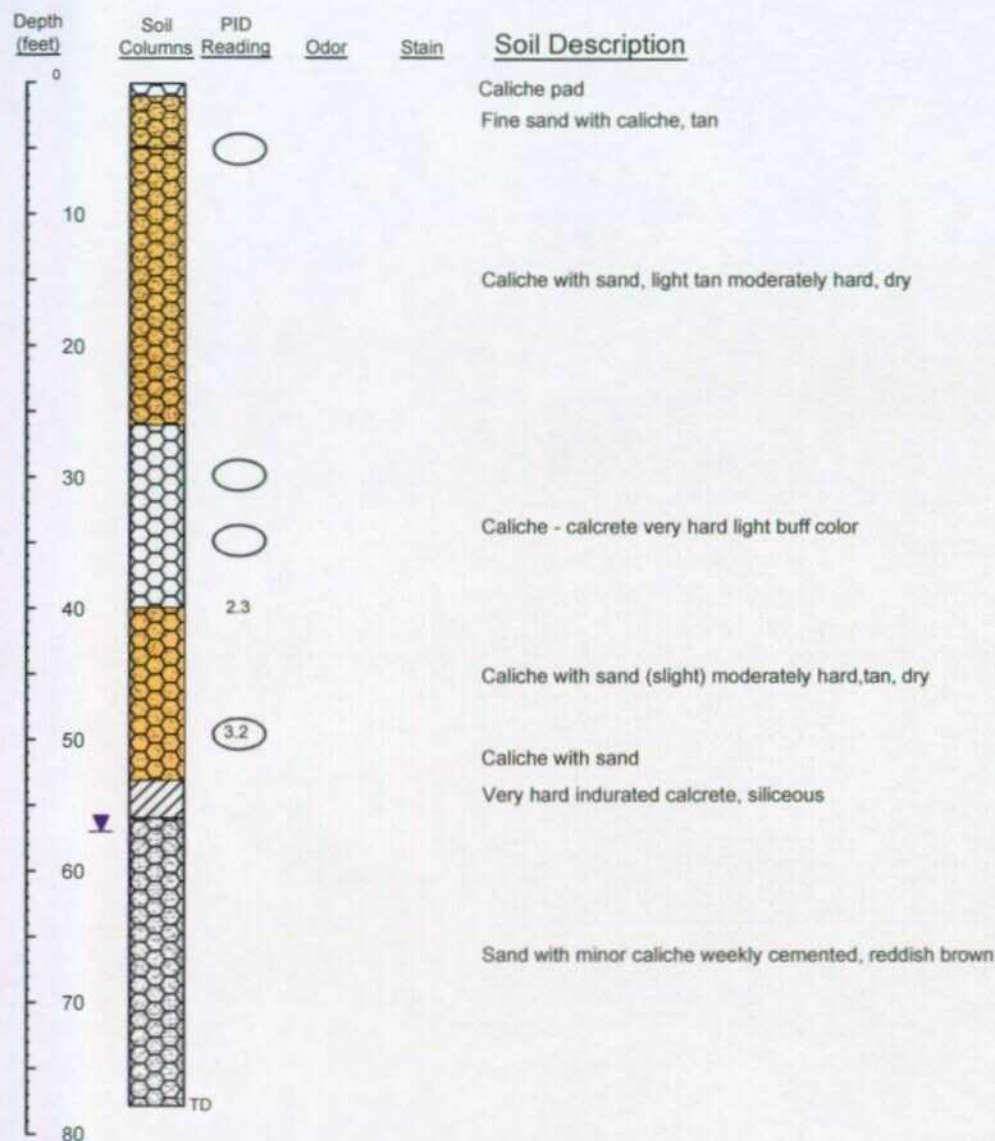
Hobbs, NM



Environmental Technology
Group, Inc.

Prep By: BN
 Checked By: TKC
 March 11, 2003
 ETGI Project # CH2100

Monitor Well MW-14



Monitor Well Details

Date Drilled 09 - 25 - 02
 Thickness of Bentonite Seal 3 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 78 ft
 Depth of Exploratory Well 78 ft
 Depth to Groundwater 57 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates the groundwater level measured on date.
- Indicates samples selected for laboratory submittal.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked flush steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-14

Champion Technologies, Inc. Hobbs Facility

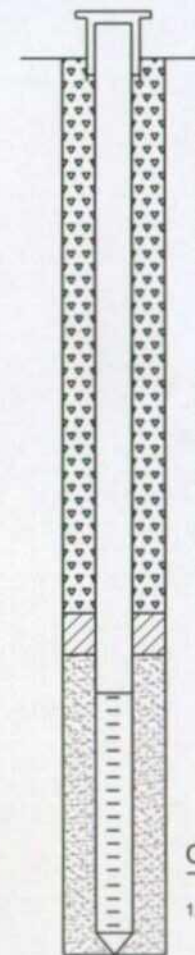
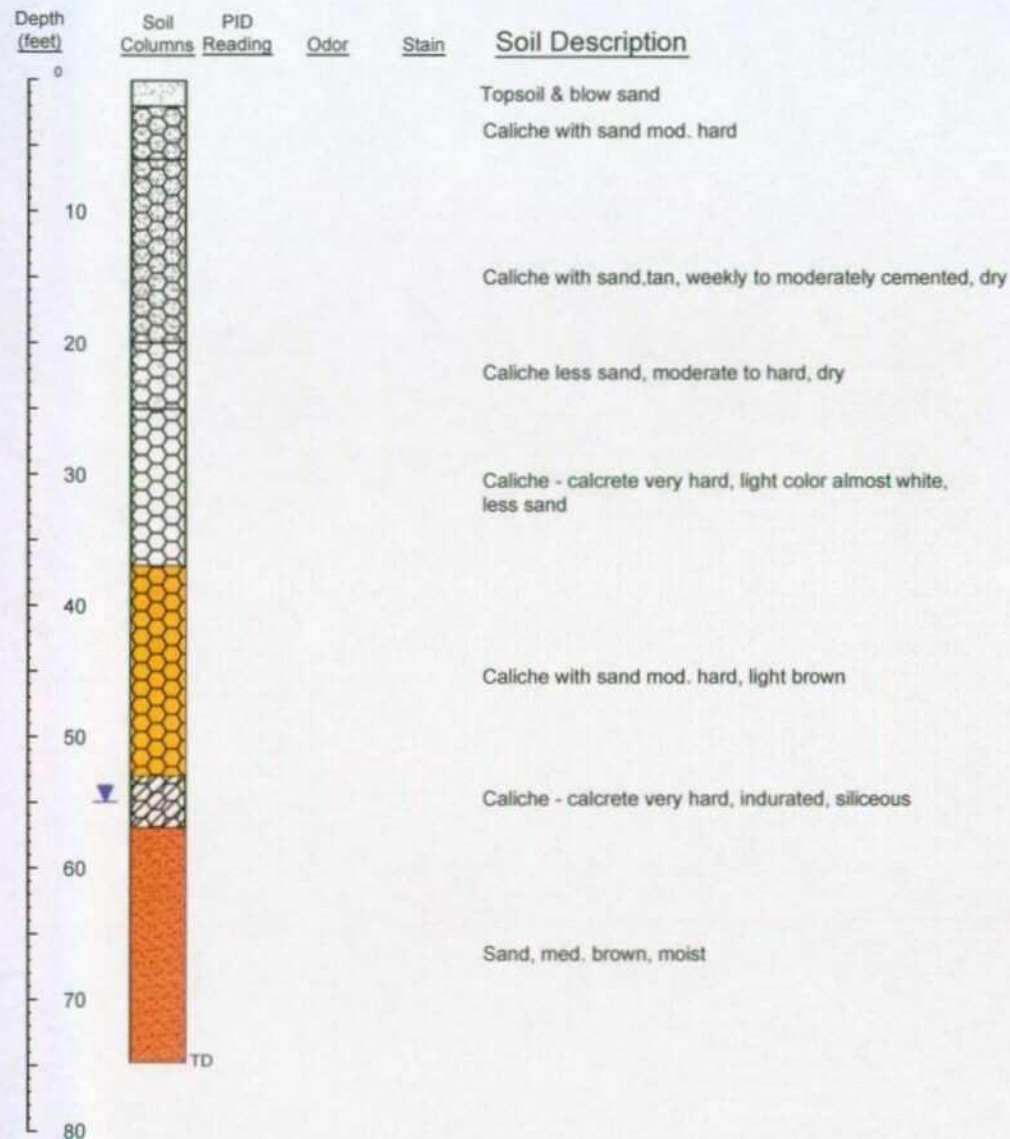
Hobbs, NM



Environmental Technology
Group, Inc.

Prep By: JDJ
 Checked By: TKC
 March 11, 2003
 ETGI Project # CH2100

Monitor Well MW-15



Monitor Well Details

Date Drilled 09 - 26 - 02
 Thickness of Bentonite Seal 3 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 68 ft
 Depth of Exploratory Well 75 ft
 Depth to Groundwater 55 ft

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates the groundwater level measured on date.
- Indicates samples selected for laboratory submittal.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- The monitor well was installed on date using air rotary drilling techniques.
- The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
- The well is protected with a locked stick up steel cover and a compression cap.
- The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
- The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-15

Champion Technologies, Inc. Hobbs Facility

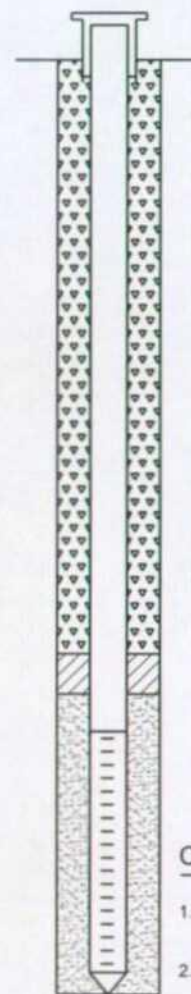
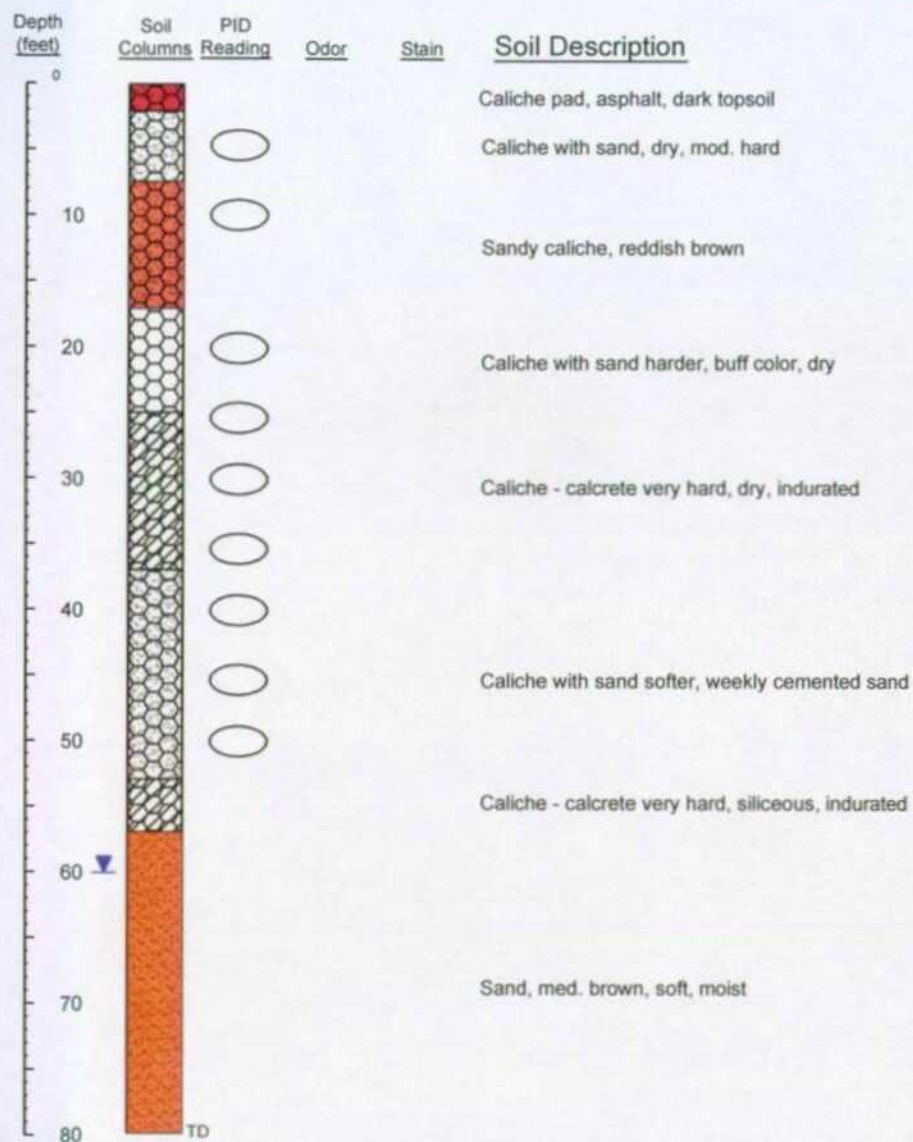
Hobbs, NM



Environmental Technology
Group, Inc.

Prep By: BN
 Checked By: TKC
 March 11, 2003
 ETGI Project # CH2100

Monitor Well MW-16



Monitor Well Details

Date Drilled 10 - 09 - 02
 Thickness of Bentonite Seal 3 ft
 Length of PVC Well Screen 20 ft
 Depth of PVC Well 71 ft
 Depth of Exploratory Well 80 ft
 Depth to Groundwater 60 ft

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the groundwater level measured on date.

Indicates samples selected for laboratory submittal.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 4" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from the ground surface.

Soil Boring Log Details

MW-16

Champion Technologies, Inc. Hobbs Facility

Hobbs, NM



Environmental Technology
Group, Inc.

Prep By: JDJ

Checked By: TKC

March 11, 2003

ETGI Project # CH2100

APPENDIX C
ANALYTICAL REPORTS IN CHRONOLOGICAL ORDER

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0204006-01	South Excavation Stockpile-SS1	SOIL	7/25/02	7/25/02	4 oz glass	Ice
			7:43	16:40		
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8260B TCLP					
	8270C Semivolatile Organics - TCLP					
	METALS RCRA 7 TCLP					
	RCI					
	Mercury, TCLP					
0204006-02	South Excavation Stockpile-SS2	SOIL	7/25/02	7/25/02	4 oz glass	Ice
			7:54	16:40		
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8260B TCLP					
	8270C Semivolatile Organics - TCLP					
	METALS RCRA 7 TCLP					
	RCI					
	Mercury, TCLP					
0204006-03	S.S. 1 Wall 5'	SOIL	7/25/02	7/25/02	4 oz glass	Ice
			8:45	16:40		
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-04	S.S. 2 Wall 8'	SOIL	7/25/02 8:50	7/25/02 16:40	4 oz glass	Ice
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Lab Testing: Rejected: No Temp: 4 C

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

Iron

Lead

Manganese

Mercury, Total

Nitrogen, Nitrate

Nitrogen, Nitrite

pH

Selenium

Silver

TPH 418.1 FTIR

Zinc

0204006-05	S.S. 3 Wall 3'	SOIL	7/25/02 9:00	7/25/02 16:40	4 oz glass	Ice
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Lab Testing: Rejected: No Temp: 4 C

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

ENVIRONMENTAL LAB OF TEXAS

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Location: Hobbs, NM

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	Cadmium					
	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-06	S.S. 4 Wall 3'	SOIL	7/25/02 9:05	7/25/02 16:40	4 oz glass	Ice
------------	----------------	------	-----------------	------------------	------------	-----

Lab Testing:

Rejected: No

Temp: 4 C

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

Iron

Lead

Manganese

Mercury, Total

Nitrogen, Nitrate

Nitrogen, Nitrite

pH

Selenium

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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	Silver					
	TPH 418.1 FTIR					
	Zinc					
0204006-07	S.S. 5 Wall 3'	SOIL	7/25/02 9:10	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-08	S.S. 6 Wall 4'	SOIL	7/25/02 9:15	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					

ENVIRONMENTAL LAB OF TEXAS

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Location: Hobbs, NM

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	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-09	S.S. 7 Wall 4'	SOIL	7/25/02 9:20	7/25/02 16:40	4 oz glass	Ice
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<u>Lab Testing:</u>	Rejected: No	Temp: 4 C
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8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

Iron

Lead

Manganese

Mercury, Total

Nitrogen, Nitrate

Nitrogen, Nitrite

pH

Selenium

Silver

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
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Midland, TX 79704
915-520-4310

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Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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	TPH 418.1 FTIR Zinc					
0204006-10	S.S. 8 Wall 4'	SOIL	7/25/02 9:25	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-11	S.S. 9 Wall 4'	SOIL	7/25/02 9:52	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					

ENVIRONMENTAL LAB OF TEXAS

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915-520-4310

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Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-12	S.S. 10 Wall 4'	SOIL	7/25/02 10:02	7/25/02 16:40	4 oz glass	Ice
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Lab Testing: Rejected: No Temp: 4 C

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

Iron

Lead

Manganese

Mercury, Total

Nitrogen, Nitrate

Nitrogen, Nitrite

pH

Selenium

Silver

TPH 418.1 FTIR

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
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Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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	Zinc					
0204006-13	S.S. 11 Btm 6'	SOIL	7/25/02 10:07	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-14	S.S. 12 Btm 10'	SOIL	7/25/02 10:13	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

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	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

02006-15	S.S. 13 Btm 4'	SOIL	7/25/02 10:15	7/25/02 16:40	4 oz glass	Ice
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Lab Testing:

Rejected: No

Temp: 4 C

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

Iron

Lead

Manganese

Mercury, Total

Nitrogen, Nitrate

Nitrogen, Nitrite

pH

Selenium

Silver

TPH 418.1 FTIR

Zinc

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

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Midland, TX 79704
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Project Name: Champion Technology Inc.
Location: Hobbs, NM

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0204006-16	S.S. 14 Btm 10'	SOIL	7/25/02 10:21	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4 C		
8021B/5030 BTEX						
Anions						
Cations						
Arsenic						
Barium						
Cadmium						
Chromium						
Copper						
Fluoride						
Iron						
Lead						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
pH						
Selenium						
Silver						
TPH 418.1 FTIR						
Zinc						

0204006-17	S.S. 15 Btm 10'	SOIL	7/25/02 10:25	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4 C		

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
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915-520-4310

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Project Name: Champion Technology Inc.
Location: Hobbs, NM

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	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					
0204006-18	S.S. 16 Btm 4'	SOIL	7/25/02 10:30	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

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Midland, TX 79704
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Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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0204006-19	S.S. 17 Btm 8'	SOIL	7/25/02 10:36	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 4 C			

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

Iron

Lead

Manganese

Mercury, Total

Nitrogen, Nitrate

Nitrogen, Nitrite

pH

Selenium

Silver

TPH 418.1 FTIR

Zinc

0204006-20	S.S. 18 Btm 8'	SOIL	7/25/02 10:41	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 4 C			

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

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Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-21	S.S. 19 Wall 4'	SOIL	7/25/02 11:55	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		

8021B/5030 BTEX

Anions
Cations
Arsenic
Barium
Cadmium
Chromium
Copper
Fluoride
Iron
Lead
Manganese
Mercury, Total
Nitrogen, Nitrate
Nitrogen, Nitrite
pH
Selenium
Silver
TPH 418.1 FTIR
Zinc

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204006-22	S.S. 20 Wall 4'	SOIL	7/25/02 12:04	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 4 C			
8021B/5030 BTEX						
Anions						
Cations						
Arsenic						
Barium						
Cadmium						
Chromium						
Copper						
Fluoride						
Iron						
Lead						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
pH						
Selenium						
Silver						
TPH 418.1 FTIR						
Zinc						

0204006-23	S.S. 21 Wall 4'	SOIL	7/25/02 12:09	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 4 C			

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

0204006-24	S.S. 22 Wall 4'	SOIL	7/25/02 12:15	7/25/02 16:40	4 oz glass	Ice
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Lab Testing:

Rejected: No

Temp: 4 C

8021B/5030 BTEX
Anions
Cations
Arsenic
Barium
Cadmium
Chromium
Copper
Fluoride
Iron
Lead
Manganese
Mercury, Total
Nitrogen, Nitrate
Nitrogen, Nitrite
pH
Selenium
Silver
TPH 418.1 FTIR
Zinc

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204006-25	S.S. 23 Wall 4'	SOIL	7/25/02 11:50	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4 C		
8021B/5030 BTEX						
Anions						
Cations						
Arsenic						
Barium						
Cadmium						
Chromium						
Copper						
Fluoride						
Iron						
Lead						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
pH						
Selenium						
Silver						
TPH 418.1 FTIR						
Zinc						

0204006-26	S.S. 24 Btm 5'	SOIL	7/25/02 12:25	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4 C		

8021B/5030 BTEX
Anions
Cations
Arsenic
Barium
Cadmium
Chromium
Copper
Fluoride

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					
0204006-27	S.S. 25 Btm 5'	SOIL	7/25/02 12:37	7/25/02 16:40	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	4 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

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<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204006-28	S.S. 26 Btm 5'	SOIL	7/25/02 12:41	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4 C		
8021B/5030 BTEX						
Anions						
Cations						
Arsenic						
Barium						
Cadmium						
Chromium						
Copper						
Fluoride						
Iron						
Lead						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
pH						
Selenium						
Silver						
TPH 418.1 FTIR						
Zinc						

0204006-29	S.S. 27 Btm 5'	SOIL	7/25/02 12:52	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4 C		

8021B/5030 BTEX
Anions
Cations
Arsenic
Barium
Cadmium
Chromium
Copper
Fluoride

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
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Midland, TX 79704
915-520-4310

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

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<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

020006-30	S.S. 28 Btm 5'	SOIL	7/25/02 13:00	7/25/02 16:40	4 oz glass	Ice
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Lab Testing:

Rejected: No

Temp: 4 C

8021B/5030 BTEX

Anions

Cations

Arsenic

Barium

Cadmium

Chromium

Copper

Fluoride

Iron

Lead

Manganese

Mercury, Total

Nitrogen, Nitrate

Nitrogen, Nitrite

pH

Selenium

Silver

TPH 418.1 FTIR

Zinc

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-03
Sample ID: S.S. 1 Wall 5'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002551-02		7/27/02 3:45	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-04
Sample ID: S.S. 2 Wall 8'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002551-02		7/27/02 4:07	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-05
Sample ID: S.S. 3 Wall 3'

8021B/5030 BTEX

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002551-02		7/27/02 4:30	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-06
Sample ID: S.S. 4 Wall 3'

8021B/5030 BTEX

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002551-02		7/27/02 4:52	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-07
Sample ID: S.S. 5 Wall 3'

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002551-02		7/27/02 5:14	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-08
Sample ID: S.S. 6 Wall 4'

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002551-02		7/27/02 6:20	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-09
Sample ID: S.S. 7 Wall 4'

8021B/5030 BTEX

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002551-02		7/27/02 7:27	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-10
Sample ID: S.S. 8 Wall 4'

8021B/5030 BTEX

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002557-02		7/27/02 7:49	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-11
Sample ID: S.S. 9 Wall 4'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 8:11	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-12
Sample ID: S.S. 10 Wall 4'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 8:33	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-13
Sample ID: S.S. 11 Btm 6'

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002557-02		7/27/02 8:55	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-14
Sample ID: S.S. 12 Btm 10'

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002557-02		7/27/02 9:18	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-15
Sample ID: S.S. 13 Btm 4'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 9:40	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-16
Sample ID: S.S. 14 Btm 10'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 10:02	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-17
Sample ID: S.S. 15 Btm 10'

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002557-02		7/27/02 10:24	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-18
Sample ID: S.S. 16 Btm 4'

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002557-02		7/27/02 10:46	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-19
Sample ID: S.S. 17 Btm 8'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 11:08	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-20
Sample ID: S.S. 18 Btm 8'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 11:30	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-21
Sample ID: S.S. 19 Wall 4'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 11:52	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-22
Sample ID: S.S. 20 Wall 4'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 12:14	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-23
Sample ID: S.S. 21 Wall 4'

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002557-02		7/27/02 12:36	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-24
Sample ID: S.S. 22 Wall 4'

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002557-02		7/27/02 12:58	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-25
Sample ID: S.S. 23 Wall 4'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 13:20	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-26
Sample ID: S.S. 24 Btm 5'

8021B/5030 BTEX

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002557-02		7/27/02 13:42	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-27
Sample ID: S.S. 25 Btm 5'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002557-02		7/27/02 14:04	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-28
Sample ID: S.S. 26 Btm 5'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002557-02		7/27/02 14:26	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-29
Sample ID: S.S. 27 Btm 5'

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002557-02		7/27/02 17:48	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204006-30
Sample ID: S.S. 28 Btm 5'

8021B/5030 BTEX

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002557-02		7/27/02 18:10	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

8-02-02
Date

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-03

Sample ID: S.S. 1 Wall 5'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	107000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2070	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	288	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2220	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.61	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	79.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.403	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	12.9	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.57	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2450	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.94	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	15.7	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	23.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-04

Sample ID: S.S. 2 Wall 8'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	62000	mg/kg	10000	100	6010B	07/29/2002	7/31/02	SM
Magnesium	4140	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	261	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2450	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.89	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	101	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.492	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	4.42	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.15	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3240	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.24	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	18.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-04
Sample ID: S.S. 2 Wall 8'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	11.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-05
Sample ID: S.S. 3 Wall 3'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	166000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2020	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	504	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	8160	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	4.34	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	758	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.34	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.1	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.71	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1240	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	< 0.880	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	14.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	10.9	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-06
Sample ID: S.S. 4 Wall 3'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	156000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2300	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	760	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	6600	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

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ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-06
Sample ID: S.S. 4 Wall 3'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	3.42	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	210	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.329	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.99	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.9	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2060	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.12	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	16.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	10.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-07
Sample ID: S.S. 5 Wall 3'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	141000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2300	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	340	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3110	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.12	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	385	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.54	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	3.45	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.5	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2950	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.29	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	24.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	10.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-08
Sample ID: S.S. 6 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	184000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	1630	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	314	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2620	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.2	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	355	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.325	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.54	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.77	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2180	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.97	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	15.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	14.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-09
Sample ID: S.S. 7 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	117000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2220	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	503	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	4730	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.65	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	231	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.458	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.9	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.5	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2900	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.42	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	21.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-09
Sample ID: S.S. 7 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	11.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-10
Sample ID: S.S. 8 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	185000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2350	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	271	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	5090	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.8	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	241	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.257	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.11	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.63	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1380	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.06	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	16.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	6.41	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-11
Sample ID: S.S. 9 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	164000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2100	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	363	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3520	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-11
Sample ID: S.S. 9 Wall 4'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Arsenic	1.55	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	214	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.421	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.54	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.31	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2660	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.18	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	20	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	7.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-12
Sample ID: S.S. 10 Wall 4'

Concentrations

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Calcium	214000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	1700	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	197	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3120	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Arsenic	2.03	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	219	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.172	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.81	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.28	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1150	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	< 0.880	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	8.76	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	4.84	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-13
Sample ID: S.S. 11 Btm 6'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	78300	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2550	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	225	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1110	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.44	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	100	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.757	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	5.18	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.85	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	5060	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.06	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	31.9	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	13.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-14
Sample ID: S.S. 12 Btm 10'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	84600	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	1600	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	509	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3080	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.55	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	126	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.576	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	3.35	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.46	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3420	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.49	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	23.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-14
Sample ID: S.S. 12 Btm 10'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	9.39	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-15
Sample ID: S.S. 13 Btm 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	187000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2270	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	300	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3320	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.6	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	335	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.724	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	5.11	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.49	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	4570	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.84	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	48.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	14.5	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-16
Sample ID: S.S. 14 Btm 10'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	61800	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	3490	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	345	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2140	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-16
Sample ID: S.S. 14 Btm 10'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	263	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.379	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.03	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.64	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2280	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	0.946	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	17.7	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	6.92	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-17
Sample ID: S.S. 15 Btm 10'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	59900	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	3000	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	278	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1460	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.999	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.466	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	4.28	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.09	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3040	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	3.74	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	34.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	13.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-18
Sample ID: S.S. 16 Btm 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	77200	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	3410	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	454	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2570	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	534	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.582	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	5.6	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.6	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3560	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.59	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	26.1	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	13.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-19
Sample ID: S.S. 17 Btm 8'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	64000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2380	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	280	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1790	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.24	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	233	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.534	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	3.04	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.63	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3300	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.08	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	16.1	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-19
Sample ID: S.S. 17 Btm 8'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	9.17	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-20
Sample ID: S.S. 18 Btm 8'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	130000	mg/kg	100000	1000	6010B	07/29/2002	7/31/02	SM
Magnesium	2860	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	395	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2580	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	274	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.681	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	10.4	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.61	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	4510	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.97	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	29.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	21.6	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-21
Sample ID: S.S. 19 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	212000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2750	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	262	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3100	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-21
Sample ID: S.S. 19 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.82	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	216	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.344	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.64	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.28	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2820	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.53	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	20.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	13.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-22
Sample ID: S.S. 20 Wall 4'

Concentrations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	184000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	5750	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	442	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	4320	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.51	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	155	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.296	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.92	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.9	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	271	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	< 0.880	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	15	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	7.58	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-23
Sample ID: S.S. 21 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	240000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2200	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	586	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1590	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.992	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	133	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.293	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.7	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	0.573	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2070	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.14	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	19.7	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	6.49	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-24
Sample ID: S.S. 22 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	149000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2070	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	364	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1520	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	120	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.255	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.59	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	0.633	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1690	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.34	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	14.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-24
Sample ID: S.S. 22 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	6.08	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-25
Sample ID: S.S. 23 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	85100	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2040	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	341	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1750	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	567	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.443	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.48	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.55	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3290	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.82	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	15.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	8.56	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-26
Sample ID: S.S. 24 Btm 5'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	102000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	6330	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	778	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1070	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-26
Sample ID: S.S. 24 Btm 5'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	492	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.537	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	4.66	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.73	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3420	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.88	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	26.6	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	15.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-27
Sample ID: S.S. 25 Btm 5'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	168000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	4960	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	271	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1270	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	358	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.418	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.71	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.05	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2850	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	< 0.880	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	20	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	8.28	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

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ANALYTICAL REPORT

Todd Choban
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P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-28
Sample ID: S.S. 26 Btm 5'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	125000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	8600	mg/kg	10000	10.0	6010B	07/29/2002	7/31/02	SM
Potassium	573	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3680	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.29	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	271	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.5	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.59	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.88	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3230	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	0.955	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	21.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	9.14	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-29
Sample ID: S.S. 27 Btm 5'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	90800	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	5680	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	586	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	5120	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	143	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.658	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	4.29	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.77	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	4320	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.65	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	24.7	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-29
Sample ID: S.S. 27 Btm 5'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	11.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

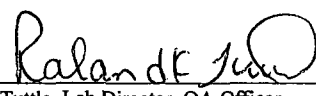
Lab ID: 0204006-30
Sample ID: S.S. 28 Btm 5'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	190000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	3200	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	755	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1220	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	235	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.452	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	3.16	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.96	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2820	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.07	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	23.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	14.6	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Approval: 
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

8-02-02
Date

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-03
Sample ID: S.S. 1 Wall 5'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	124	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	3280	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	56.0	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	6.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.85	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-04
Sample ID: S.S. 2 Wall 8'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	78.0	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	2970	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	237	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	15.5	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.80	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-05
Sample ID: S.S. 3 Wall 3'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	96.0	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
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P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-05
Sample ID: S.S. 3 Wall 3'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	3500	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	90.0	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	3.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.87	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-06
Sample ID: S.S. 4 Wall 3'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	175	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	7620	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	282	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	<2.5	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.88	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-07
Sample ID: S.S. 5 Wall 3'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	95.0	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	2390	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-07
Sample ID: S.S. 5 Wall 3'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
SULFATE, 375.4	220	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	9.5	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	8.28	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-08
Sample ID: S.S. 6 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	100	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	2300	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	578	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	19.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	8.19	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	198	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-09
Sample ID: S.S. 7 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	225	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	20.0	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	3720	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	455	mg/kg	1	25	375.4	7/29/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-09
Sample ID: S.S. 7 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	9.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	8.44	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-10
Sample ID: S.S. 8 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	110	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	6910	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	318	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	25.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.99	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-11
Sample ID: S.S. 9 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	370	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	15.0	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	2660	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	374	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	23.0	mg/kg	5	2.5	353.3	7/26/02	RKT

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-11
Sample ID: S.S. 9 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	8.57	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	30.6	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-12
Sample ID: S.S. 10 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	215	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	2750	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	280	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	9.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.98	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	11.6	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-13
Sample ID: S.S. 11 Btm 6'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	60.0	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	665	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	328	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	10.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	8.16	pH Units	1	N/A	9045C	7/26/02	MB

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ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-13
Sample ID: S.S. 11 Btm 6'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-14
Sample ID: S.S. 12 Btm 10'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	225	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	260	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	485	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	27.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	8.02	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	496	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-15
Sample ID: S.S. 13 Btm 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	370	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	3630	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	184	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	17.5	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	0.040	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.95	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	29.4	mg/kg	1	10.0	418.1	7/29/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-16
Sample ID: S.S. 14 Btm 10'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	45.0	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	2570	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	7990	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	16.4	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	0.055	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.79	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	35.7	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-17
Sample ID: S.S. 15 Btm 10'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	110	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	975	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	801	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	7.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	8.08	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	78.4	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-18
Sample ID: S.S. 16 Btm 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	45.0	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-18
Sample ID: S.S. 16 Btm 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	4080	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	517	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	23.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.70	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	33.1	mg/kg	1	10.0	418.1	7/29/02	SB

Lab ID: 0204006-19
Sample ID: S.S. 17 Btm 8'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	47.0	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	1370	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	7840	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	6.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	RKT
pH	7.83	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	26.9	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-20
Sample ID: S.S. 18 Btm 8'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	40.0	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	1950	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-20
Sample ID: S.S. 18 Btm 8'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
SULFATE, 375.4	7890	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	8.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	CK
pH	7.88	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	229	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-21
Sample ID: S.S. 19 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	80	mg/kg	1	2.00	310.1	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/29/02	SB
Chloride	1600	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	350	mg/kg	1	25	375.4	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	8.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	0.025	mg/kg	5	0.0250	354.1	7/26/02	CK
pH	8.47	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	19.2	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-22
Sample ID: S.S. 20 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	80.0	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	10.0	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	3370	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	525	mg/kg	1	25	375.4	7/30/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-22
Sample ID: S.S. 20 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	16.5	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	CK
pH	8.43	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-23
Sample ID: S.S. 21 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	90	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	70.0	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	443	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	218	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	<5.0	mg/kg	10	5.0	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.20	mg/kg	10	0.20	354.1	7/26/02	CK
pH	9.38	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-24
Sample ID: S.S. 22 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	165	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	110	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	103	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	258	mg/kg	1	25	375.4	7/31/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	<5.0	mg/kg	10	5.0	353.3	7/26/02	RKT

RL = Reporting Limit N/A = Not Applicable

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ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-24
Sample ID: S.S. 22 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Nitrogen, Nitrite	<0.20	mg/kg	10	0.20	354.1	7/26/02	CK
pH	9.70	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	10.7	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-25
Sample ID: S.S. 23 Wall 4'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	800	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	100	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	133	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	259	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	<5.0	mg/kg	10	5.0	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.20	mg/kg	10	0.20	354.1	7/26/02	CK
pH	9.46	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-26
Sample ID: S.S. 24 Btm 5'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	120	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	20.0	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	106	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	268	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	42.0	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.20	mg/kg	5	0.0250	354.1	7/26/02	CK
pH	8.85	pH Units	1	N/A	9045C	7/26/02	MB

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ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-26
Sample ID: S.S. 24 Btm 5'

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
TPH 418.1 FTIR	197	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-27
Sample ID: S.S. 25 Btm 5'

Anions

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Bicarbonate Alkalinity	135	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	10.0	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	399	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	1050	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	10.5	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	CK
pH	8.70	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	28.1	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-28
Sample ID: S.S. 26 Btm 5'

Anions

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Bicarbonate Alkalinity	80.0	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	5.0	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	3190	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	516	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	16.5	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	CK
pH	8.24	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	11.4	mg/kg	1	10.0	418.1	7/26/02	SB

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ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-29
Sample ID: S.S. 27 Btm 5'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	70.0	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	5500	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	184	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	12.5	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.025	mg/kg	5	0.0250	354.1	7/26/02	CK
pH	8.09	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	12.7	mg/kg	1	10.0	418.1	7/26/02	SB

Lab ID: 0204006-30
Sample ID: S.S. 28 Btm 5'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	145	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	40.0	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	133	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	210	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	<5.0	mg/kg	10	5.0	353.3	7/26/02	RKT
Nitrogen, Nitrite	<0.20	mg/kg	10	0.20	354.1	7/26/02	CK
pH	9.49	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	45.9	mg/kg	1	10.0	418.1	7/26/02	SB

Approval: *Ral K. Tuttle* 8-02-02

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

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Anions

Order#: G0204006

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002564-01			<2.00		
Bicarbonate Alkalinity-mg/kg		0002565-01			<10.0		
Carbonate Alkalinity-mg/kg		0002566-01			<0.10		
Carbonate Alkalinity-mg/kg		0002567-01			<0.10		
Chloride-mg/kg		0002594-01			<5.00		
Chloride-mg/kg		0002608-01			<10.0		
Hydroxide Alkalinity-mg/kg		0002568-01			<0.10		
Hydroxide Alkalinity-mg/kg		0002569-01			<0.10		
SULFATE, 375.4-mg/kg		0002595-01			<0.50		
SULFATE, 375.4-mg/kg		0002609-01			<0.50		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0204005-01	409		411		0.5%
Bicarbonate Alkalinity-mg/kg		0204006-22	80		82.5		3.1%
Carbonate Alkalinity-mg/kg		0204005-01	0		<0.10		0.0%
Carbonate Alkalinity-mg/kg		0204006-22	10		10		0.0%
Hydroxide Alkalinity-mg/kg		0204005-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/kg		0204006-22	0		<0.10		0.0%
SULFATE, 375.4-mg/kg		0204005-01	162		165		1.8%
SULFATE, 375.4-mg/kg		0204006-22	525		520		1.9%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204005-01	421	1473.75	1640	82.7%	
Chloride-mg/kg		0204006-22	3370	5000	8240	97.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204005-01	421	1473.75	1640	82.7%	0.0%
Chloride-mg/kg		0204006-22	3370	5000	8330	99.2%	1.1%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002564-04		0.05	0.0496	99.2%	
Bicarbonate Alkalinity-mg/kg		0002565-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/kg		0002566-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/kg		0002567-04		0.05	0.0496	99.2%	
Chloride-mg/kg		0002594-04		5000	4960	99.2%	
Chloride-mg/kg		0002608-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/kg		0002568-04		0.05	0.0496	99.2%	
Hydroxide Alkalinity-mg/kg		0002569-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/kg		0002595-04		50	49.8	99.6%	
SULFATE, 375.4-mg/kg		0002609-04		50	49.5	99.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0204006

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002618-02			< 1.0		
Calcium-mg/kg		0002621-02			< 1.0		
Magnesium-mg/kg		0002618-02			< 0.10		
Magnesium-mg/kg		0002621-02			< 0.001		
Potassium-mg/kg		0002618-02			< 5.0		
Potassium-mg/kg		0002621-02			< 5.0		
Sodium-mg/kg		0002618-02			< 1.0		
Sodium-mg/kg		0002621-02			< 1.0		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0204006-03	107000		106000		0.9%
Calcium-mg/kg		0204006-23	240000		251000		4.5%
Magnesium-mg/kg		0204006-03	2070		2120		2.4%
Magnesium-mg/kg		0204006-23	2200		2210		0.5%
Potassium-mg/kg		0204006-03	288		281		2.5%
Potassium-mg/kg		0204006-23	586		600		2.4%
Sodium-mg/kg		0204006-03	2220		2240		0.9%
Sodium-mg/kg		0204006-23	1590		1560		1.9%
	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002618-05		2	2.02	101.%	
Calcium-mg/kg		0002621-05		2	2.29	114.5%	
Magnesium-mg/kg		0002618-05		2	2.12	106.%	
Magnesium-mg/kg		0002621-05		2	2.02	101.%	
Potassium-mg/kg		0002618-05		2	1.88	94.%	
Potassium-mg/kg		0002621-05		2	1.93	96.5%	
Sodium-mg/kg		0002618-05		2	1.90	95.%	
Sodium-mg/kg		0002621-05		2	1.90	95.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204006

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002661-01			<0.64		
Arsenic-mg/kg		0002662-01			< 0.64		
Barium-mg/kg		0002661-01			<0.08		
Barium-mg/kg		0002662-01			<0.08		
Cadmium-mg/kg		0002661-01			<0.08		
Cadmium-mg/kg		0002662-01			<0.08		
Chromium-mg/kg		0002661-01			<0.16		
Chromium-mg/kg		0002662-01			<0.16		
Copper-mg/kg		0002663-01			<0.16		
Copper-mg/kg		0002664-01			<0.16		
Fluoride-mg/kg		0002596-01			<0.10		
Fluoride-mg/kg		0002607-01			<0.02		
Iron-mg/kg		0002663-01			<0.16		
Iron-mg/kg		0002664-01			< 0.16		
Lead-mg/kg		0002661-01			<0.88		
Lead-mg/kg		0002662-01			<0.88		
Manganese-mg/kg		0002663-01			<0.08		
Manganese-mg/kg		0002664-01			<0.08		
Nitrogen, Total-mg/kg		0002586-01			< 0.0020		
Mercury, Total-mg/kg		0002587-01			< 0.0020		
Nitrogen, Nitrate-mg/kg		0002577-01			<2.5		
Nitrogen, Nitrate-mg/kg		0002578-01			<2.5		
Nitrogen, Nitrite-mg/kg		0002578-01			<0.025		
Nitrogen, Nitrite-mg/kg		0002580-01			<0.025		
pH-pH Units		0002588-01			7.42		
pH-pH Units		0002589-01			7.62		
Selenium-mg/kg		0002661-01			< 0.32		
Selenium-mg/kg		0002662-01			< 0.32		
Silver-mg/kg		0002639-01			< 0.16		
Silver-mg/kg		0002640-01			< 0.16		
TPH 418.1 FTIR-mg/kg		0002541-01			<10.0		
TPH 418.1 FTIR-mg/kg		0002552-01			<10.0		
Zinc-mg/kg		0002663-01			<0.08		
Zinc-mg/kg		0002664-01			<0.08		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002661-02		40	40.9	102.3%	
Arsenic-mg/kg		0002662-02		40	40	100.%	
Barium-mg/kg		0002661-02		40	40	100.%	
Barium-mg/kg		0002662-02		40	39	97.5%	

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CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Cadmium-mg/kg		0002661-02		40	43.0	107.5%	
Cadmium-mg/kg		0002662-02		40	42.2	105.5%	
Chromium-mg/kg		0002661-02		40	38	95.5%	
Chromium-mg/kg		0002662-02		40	37	92.5%	
Copper-mg/kg		0002663-02		16	16.1	100.6%	
Copper-mg/kg		0002664-02		16	16.2	101.3%	
Iron-mg/kg		0002663-02		16	17.2	107.5%	
Iron-mg/kg		0002664-02		16	17	106.3%	
Lead-mg/kg		0002661-02		40	41.3	103.3%	
Lead-mg/kg		0002662-02		40	41	102.5%	
Manganese-mg/kg		0002663-02		16	15.6	97.5%	
Manganese-mg/kg		0002664-02		16	16.8	105.5%	
Mercury, Total-mg/kg		0002586-02		0.015	0.014	93.3%	
Mercury, Total-mg/kg		0002587-02		0.015	0.015	100.0%	
pH-pH Units		0002588-02		7	7.03	100.4%	
pH-pH Units		0002589-02		7	7.05	100.7%	
Selenium-mg/kg		0002661-02		40	42.0	105.5%	
Selenium-mg/kg		0002662-02		40	41	102.5%	
Silver-mg/kg		0002639-02		16	13.2	82.5%	
Silver-mg/kg		0002640-02		16	13.2	82.5%	
Zinc-mg/kg		0002663-02		16	18.4	115.5%	
Zinc-mg/kg		0002664-02		16	18.6	116.3%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002661-03		40	40	100.0%	2.2%
Arsenic-mg/kg		0002662-03		40	39.9	99.7%	0.3%
Barium-mg/kg		0002661-03		40	39.3	98.2%	1.8%
Barium-mg/kg		0002662-03		40	39.2	98.0%	0.5%
Cadmium-mg/kg		0002661-03		40	42.6	106.5%	0.9%
Cadmium-mg/kg		0002662-03		40	43.6	109.0%	3.3%
Chromium-mg/kg		0002661-03		40	38.1	95.3%	0.3%
Chromium-mg/kg		0002662-03		40	38.2	95.5%	3.2%
Copper-mg/kg		0002663-03		16	15.8	98.8%	1.9%
Copper-mg/kg		0002664-03		16	15.7	98.1%	3.1%
Iron-mg/kg		0002663-03		16	17	106.3%	1.2%
Iron-mg/kg		0002664-03		16	16.2	101.3%	4.8%
Lead-mg/kg		0002661-03		40	40.0	100.0%	3.2%
Lead-mg/kg		0002662-03		40	41.2	103.0%	0.5%
Manganese-mg/kg		0002663-03		16	15.5	96.9%	0.6%
Manganese-mg/kg		0002664-03		16	16.5	103.1%	1.8%
Mercury, Total-mg/kg		0002586-03		0.015	0.015	100.0%	6.9%
Mercury, Total-mg/kg		0002587-03		0.015	0.014	93.3%	6.9%

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CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Selenium-mg/kg	0002661-03		40	42.6	106.5%	1.4%
Selenium-mg/kg	0002662-03		40	41.2	103.3%	0.5%
Silver-mg/kg	0002639-03		16	13.5	84.4%	2.2%
Silver-mg/kg	0002640-03		16	13.2	82.5%	0.0%
Zinc-mg/kg	0002663-03		16	18.1	113.1%	1.6%
Zinc-mg/kg	0002664-03		16	17.8	111.3%	4.4%
DUPLICATE SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg	0204005-01	0		<0.02		0.0%
Fluoride-mg/kg	0204006-22	0		<0.02		0.0%
Nitrogen, Nitrate-mg/kg	0204005-01	12.4		13.9		11.4%
Nitrogen, Nitrate-mg/kg	0204006-22	16.5		18.0		8.7%
Nitrogen, Nitrite-mg/kg	0204005-01	0.11		0.110		0.0%
Nitrogen, Nitrite-mg/kg	0204006-22	0		<0.025		0.0%
pH-pH Units	0204005-01	8.13		8.20		0.9%
pH-pH Units	0204006-22	8.43		8.42		0.1%
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg	0204004-01	1730	2500	4180	98.8%	
TPH 418.1 FTIR-mg/kg	0204006-19	26.9	2500	2710	107.3%	
AN SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg	0204004-01	1730	2500	4270	101.6%	2.1%
TPH 418.1 FTIR-mg/kg	0204006-19	26.9	2500	2770	109.7%	2.2%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg	0002661-04		1	0.951	95.1%	
Arsenic-mg/kg	0002662-04		1	0.965	96.5%	
Barium-mg/kg	0002661-04		1	0.911	91.1%	
Barium-mg/kg	0002662-04		1	0.913	91.3%	
Cadmium-mg/kg	0002661-04		1	1.04	104.0%	
Cadmium-mg/kg	0002662-04		1	1.03	103.0%	
Chromium-mg/kg	0002661-04		1	0.93	93.0%	
Chromium-mg/kg	0002662-04		1	0.922	92.2%	
Copper-mg/kg	0002663-04		1	1.01	101.0%	
Copper-mg/kg	0002664-04		1	0.995	99.5%	
Fluoride-mg/kg	0002596-04		1	0.96	96.0%	
Fluoride-mg/kg	0002607-04		1	0.95	95.0%	
Iron-mg/kg	0002663-04		1	1.01	101.0%	
Iron-mg/kg	0002664-04		1	0.993	99.3%	
Lead-mg/kg	0002661-04		1	0.986	98.6%	
Lead-mg/kg	0002662-04		1	0.988	98.8%	

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QUALITY CONTROL REPORT

SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Manganese-mg/kg	0002663-04		1	0.989	98.9%	
Manganese-mg/kg	0002664-04		1	0.979	97.9%	
Mercury, Total-mg/kg	0002586-04		0.015	0.015	100.%	
Mercury, Total-mg/kg	0002587-04		0.015	0.014	93.3%	
Nitrogen, Nitrate-mg/kg	0002577-04		1	1.0	100.%	
Nitrogen, Nitrate-mg/kg	0002578-04		1	1.0	100.%	
Nitrogen, Nitrite-mg/kg	0002578-04		0.2	0.166	83.%	
Nitrogen, Nitrite-mg/kg	0002580-04		0.2	0.175	87.5%	
pH-pH Units	0002588-04		7	7.05	100.7%	
pH-pH Units	0002589-04		7	7.04	100.6%	
Selenium-mg/kg	0002661-04		1	0.988	98.8%	
Selenium-mg/kg	0002662-04		1	0.959	95.9%	
Silver-mg/kg	0002639-04		0.5	0.495	99.%	
Silver-mg/kg	0002640-04		0.5	0.486	97.2%	
TPH 418.1 FTIR-mg/kg	0002541-04		5008	4850	96.8%	
TPH 418.1 FTIR-mg/kg	0002552-04		5008	5080	101.4%	
Zinc-mg/kg	0002663-04		1	0.997	99.7%	
Zinc-mg/kg	0002664-04		1	0.993	99.3%	

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E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 07/25/02
Receiving Date: 07/25/02
TCLP Extraction: 07/26/02
Analysis Date: 07/29/02
Field Code: South Excavation Stockpile-SS1

TCLP SEMIVOLATILE ORGANICS (mg/L)	REG. LIMIT	REPORT LIMIT	ELT# 0204006-01	CCC % DEV	%EA	RPD
2-Methylphenol	200	0.005	ND			
4-Methylphenol	200	0.005	ND			
1,4-Dichlorobenzene	7.5	0.005	ND	-10.8	60	21
2, 4-Dinitrotoluene	0.13	0.005	ND		60	6
Hexachlorobenzene	0.13	0.005	ND			
Hexachlor-1, 3-butadien	0.5	0.005	ND	-28.0		
Hexachloroethane	3	0.005	ND			
Nitrobenzene	2	0.005	ND			
Pentachlorophenol	100	0.005	ND	24.4	84	10
Pyridine	5	0.005	ND			
2,4,5-Trichlorophenol	400	0.005	ND			
2,4,6-Trichlorophenol	2	0.005	ND	-46.9#		

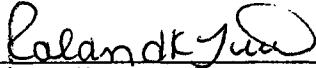
ND= NOT DETECTED, < REPORTING LIMIT
SYSTEM MONITORING COMPOUNDS

	% Recovery
2-Fluorophenol	29.2
Phenol-d5	17.9
Nitrobenzene-d5	86.1
2-Fluorobiphenyl	109
2,4,6-Tribromophenol	74.2
p-Terphenyl-d14	126

ND = Not detected at report limit

Out of historical ranges

Method: SW 846-8270C,1311


Celey D. Keene
Raland K. Tuttle

7-30-02
Date

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 07/25/02
Receiving Date: 07/25/02
TCLP Extraction: 07/26/02
Analysis Date: 07/29/02
Field Code: South Excavation Stockpile-SS2

TCLP SEMIVOLATILE ORGANICS (mg/L)	REG. LIMIT	REPORT LIMIT	ELT# 0204006-02	CCC % DEV	%EA	RPD
2-Methylphenol	200	0.005	ND			
4-Methylphenol	200	0.005	ND			
1,4-Dichlorobenzene	7.5	0.005	ND	-10.8	60	21
2, 4-Dinitrotoluene	0.13	0.005	ND		60	6
Hexachlorobenzene	0.13	0.005	ND			
Hexachlor-1, 3-butadien	0.5	0.005	ND	-28.0		
Hexachloroethane	3	0.005	ND			
Nitrobenzene	2	0.005	ND			
Pentachlorophenol	100	0.005	ND	24.4	84	10
Pyridine	5	0.005	ND			
2,4,5-Trichlorophenol	400	0.005	ND			
2,4,6-Trichlorophenol	2	0.005	ND	-46.9#		

ND= NOT DETECTED, < REPORTING LIMIT

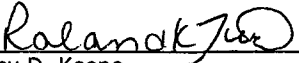
SYSTEM MONITORING COMPOUNDS

	% Recovery
2-Fluorophenol	18.5#
Phenol-d5	11.7
Nitrobenzene-d5	62.9
2-Fluorobiphenyl	86.9
2,4,6-Tribromophenol	106
p-Terphenyl-d14	138

ND = Not detected at report limit

Out of historical ranges

Method: SW 846-8270C,1311


Celey D. Keene
Raland K. Tuttle

7-30-02
Date

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"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

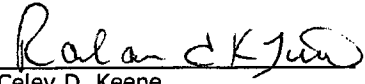
Sampling Date: 07/25/02
Receiving Date: 07/25/02
TCLP Extraction: 07/26/02
Analysis Date: 07/29/02
Field Code: South Excavation Stockpile-SS1

TCLP Volatile Compounds	REPORT LIMIT	ELT#	%EA	%IA	RPD
		0204006-01 mg/L			
Benzene	0.001	ND	115		0
Carbon tetrachloride	0.001	ND	124		1
Chlorobenzene	0.001	ND	114		1
Chloroform	0.001	ND	114	120	1
1,4-Dichlorobenzene	0.001	ND	102		1
1,2-Dichloroethane	0.001	ND	91		1
1,1-Dichloroethylene	0.001	ND	124	120	8
Methyl ethyl ketone	0.001	ND	96		7
Tetrachloroethylene	0.001	ND	87		4
Trichloroethylene	0.001	ND	81		2
Vinyl chloride	0.001	ND	96	109	8

<u>System Monitoring Compounds</u>	% RECOVERY
Dibromofluoromethane	108
1,2-dichloroethane-d4	80.2
Toluene-d8	101
4-Bromofluorobenzene	99.1

ND= Not Detected at report limit

Method: EPA SW 846 8260B, 1311


Celey D. Keene
Raland K. Tuttle

7-30-02
Date

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"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ 4 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

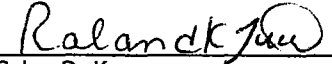
Sampling Date: 07/25/02
Receiving Date: 07/25/02
TCLP Extraction: 07/26/02
Analysis Date: 07/29/02
Field Code: South Excavation Stockpile-SS2

TCLP	REPORT	ELT#			
Volatile Compounds	LIMIT	0204006-02			
		mg/L	%EA	%IA	RPD
Benzene	0.001	ND	115		0
Carbon tetrachloride	0.001	ND	124		1
Chlorobenzene	0.001	ND	114		1
Chloroform	0.001	ND	114	120	1
1,4-Dichlorobenzene	0.001	ND	102		1
1,2-Dichloroethane	0.001	ND	91		1
1,1-Dichloroethylene	0.001	ND	124	120	8
Methyl ethyl ketone	0.001	0.002	96		7
Tetrachloroethylene	0.001	ND	87		4
Trichloroethylene	0.001	ND	81		2
Vinyl chloride	0.001	ND	96	109	8

<u>System Monitoring Compounds</u>	% RECOVERY
Dibromofluoromethane	98.9
1,2-dichloroethane-d4	74.9
Toluene-d8	99.8
4-Bromofluorobenzene	98.7

ND= Not Detected at report limit

Method: EPA SW 846 8260B, 1311


Celey D. Keene
Raland K. Tuttle

7-30-02
Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-01
Sample ID: South Excavation Stockpile-SS1

RCI

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Ignitability	>100	C	1	NA	1010	7/29/02	SB
pH	7.91	pH Units	1	N/A	9045C	7/26/02	SB
Reactive Cyanide	<0.090	mg/kg	1	0.09	SW846 CH.7	7/27/02	SB
Reactive Sulfide	<5.00	mg/kg	1	5.00	SW846 CH.7	7/27/02	SB

Lab ID: 0204006-02
Sample ID: South Excavation Stockpile-SS2

RCI

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Ignitability	>100	C	1	NA	1010	7/29/02	SB
pH	7.82	pH Units	1	N/A	9045C	7/26/02	SB
Reactive Cyanide	<0.090	mg/kg	1	0.09	SW846 CH.7	7/27/02	SB
Reactive Sulfide	<5.00	mg/kg	1	5.00	SW846 CH.7	7/27/02	SB

Approval:

Raland K Tuttle 7-30-02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-01
Sample ID: South Excavation Stockpile-SS1

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	0.035	mg/L	1	0.008	1311/6010B	07/26/2002	7/29/02	SM
Barium	0.665	mg/L	1	0.001	1311/6010B	07/26/2002	7/29/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	07/26/2002	7/29/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	07/26/2002	7/29/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	07/26/2002	7/29/02	SM
Selenium	0.028	mg/L	1	0.004	1311/6010B	07/26/2002	7/29/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	07/26/2002	7/29/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Mercury, TCLP	<0.002	mg/L	1	0.002	1311/7470	07/26/2002	7/29/02	MB

Lab ID: 0204006-02
Sample ID: South Excavation Stockpile-SS2

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	0.032	mg/L	1	0.008	1311/6010B	07/26/2002	7/29/02	SM
Barium	0.618	mg/L	1	0.001	1311/6010B	07/26/2002	7/29/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	07/26/2002	7/29/02	SM
Chromium	0.002	mg/L	1	0.002	1311/6010B	07/26/2002	7/29/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	07/26/2002	7/29/02	SM
Selenium	0.032	mg/L	1	0.004	1311/6010B	07/26/2002	7/29/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	07/26/2002	7/29/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Mercury, TCLP	<0.002	mg/L	1	0.002	1311/7470	07/26/2002	7/29/02	MB

Lab ID: 0204006-03
Sample ID: S.S. 1 Wall 5'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	107000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2070	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	288	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2220	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-03
Sample ID: S.S. 1 Wall 5'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	1.61	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	79.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.403	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	12.9	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.57	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2450	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.94	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	15.7	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	23.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-04
Sample ID: S.S. 2 Wall 8'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	62000	mg/kg	10000	100	6010B	07/29/2002	7/31/02	SM
Magnesium	4140	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	261	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2450	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	1.89	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	101	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.492	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	4.42	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.15	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3240	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.24	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	18.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	11.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-05
Sample ID: S.S. 3 Wall 3'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	166000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2020	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	504	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	8160	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	4.34	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	758	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.34	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.1	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.71	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1240	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	< 0.880	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	14.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	10.9	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-06
Sample ID: S.S. 4 Wall 3'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	156000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2300	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	760	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	6600	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	3.42	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	210	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.329	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.99	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.9	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2060	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.12	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	16.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-06
Sample ID: S.S. 4 Wall 3'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	10.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-07
Sample ID: S.S. 5 Wall 3'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	141000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2300	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	340	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3110	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.12	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	385	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.54	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	3.45	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.5	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2950	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.29	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	24.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	10.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-08
Sample ID: S.S. 6 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	184000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	1630	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	314	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2620	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-08
Sample ID: S.S. 6 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	1.2	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	355	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.325	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.54	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.77	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2180	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.97	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	15.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	14.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-09
Sample ID: S.S. 7 Wall 4'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	117000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2220	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	503	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	4730	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	2.65	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	231	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.458	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.9	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.5	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2900	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.42	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	21.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	11.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-10
Sample ID: S.S. 8 Wall 4'

Cations

Parameter	Result	Units	Dilution			Date	Date	
			Factor	RL	Method	Prepared	Analyzed	Analyst
Calcium	185000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2350	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	271	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	5090	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution			Date	Date	
			Factor	RL	Method	Prepared	Analyzed	Analyst
Arsenic	1.8	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	241	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.257	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.11	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.63	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1380	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.06	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	16.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	6.41	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-11
Sample ID: S.S. 9 Wall 4'

Cations

Parameter	Result	Units	Dilution			Date	Date	
			Factor	RL	Method	Prepared	Analyzed	Analyst
Calcium	164000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2100	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	363	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3520	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution			Date	Date	
			Factor	RL	Method	Prepared	Analyzed	Analyst
Arsenic	1.55	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	214	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.421	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.54	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.31	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2660	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.18	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	20	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-11
Sample ID: S.S. 9 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	7.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-12
Sample ID: S.S. 10 Wall 4'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	214000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	1700	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	197	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3120	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	2.03	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	219	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.172	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.81	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.28	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1150	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	< 0.880	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	8.76	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	4.84	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-13
Sample ID: S.S. 11 Btm 6'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	78300	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2550	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	225	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1110	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-13
Sample ID: S.S. 11 Btm 6'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	1.44	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	100	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.757	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	5.18	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.85	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	5060	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.06	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	31.9	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	13.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-14
Sample ID: S.S. 12 Btm 10'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	84600	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	1600	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	509	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3080	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	1.55	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	126	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.576	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	3.35	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.46	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3420	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.49	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	23.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	9.39	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-15
Sample ID: S.S. 13 Btm 4'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	187000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2270	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	300	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3320	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	1.6	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	335	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.724	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	5.11	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.49	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	4570	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.84	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	48.8	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	14.5	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-16
Sample ID: S.S. 14 Btm 10'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	61800	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	3490	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	345	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2140	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	263	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.379	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.03	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.64	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2280	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	0.946	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	17.7	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-16
Sample ID: S.S. 14 Btm 10'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	6.92	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-17
Sample ID: S.S. 15 Btm 10'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	59900	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	3000	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	278	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1460	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.999	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.466	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	4.28	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.09	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3040	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	3.74	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	34.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	13.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-18
Sample ID: S.S. 16 Btm 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	77200	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	3410	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	454	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2570	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-18
Sample ID: S.S. 16 Btm 4'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Barium	534	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.582	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	5.6	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.6	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3560	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.59	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	26.1	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	13.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-19
Sample ID: S.S. 17 Btm 8'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	64000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2380	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	280	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1790	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	1.24	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	233	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.534	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	3.04	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.63	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3300	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.08	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	16.1	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	9.17	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-20
Sample ID: S.S. 18 Btm 8'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	130000	mg/kg	10000	1000	6010B	07/29/2002	7/31/02	SM
Magnesium	2860	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	395	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	2580	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	274	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.681	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	10.4	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.61	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	4510	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.97	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	29.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/30/2002	7/31/02	SM
Zinc	21.6	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-21
Sample ID: S.S. 19 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	212000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2750	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	262	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3100	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.82	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	216	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.344	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.64	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.28	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2820	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.53	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	20.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-21
Sample ID: S.S. 19 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	13.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-22
Sample ID: S.S. 20 Wall 4'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	184000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	5750	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	442	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	4320	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	1.51	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	155	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.296	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.92	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.9	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	271	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	< 0.880	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	15	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	7.58	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-23
Sample ID: S.S. 21 Wall 4'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	240000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2200	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	586	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1590	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-23
Sample ID: S.S. 21 Wall 4'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date		Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	0.992	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	133	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.293	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.7	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	0.573	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2070	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.14	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	19.7	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	6.49	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-24
Sample ID: S.S. 22 Wall 4'

Cations

Parameter	Result	Units	Dilution		Method	Date		Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	149000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2070	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	364	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1520	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date		Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	120	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.255	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	1.59	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	0.633	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1690	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.34	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	14.2	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	6.08	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-25
Sample ID: S.S. 23 Wall 4'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	85100	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	2040	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	341	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1750	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	567	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.443	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.48	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.55	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3290	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.82	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	15.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	8.56	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-26
Sample ID: S.S. 24 Btm 5'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	102000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	6330	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	778	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1070	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	492	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.537	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	4.66	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	2.73	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3420	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.88	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	26.6	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-26
Sample ID: S.S. 24 Btm 5'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	15.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-27
Sample ID: S.S. 25 Btm 5'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	168000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	4960	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	271	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1270	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	358	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.418	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.71	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	3.05	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2850	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	< 0.880	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	20	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	8.28	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-28
Sample ID: S.S. 26 Btm 5'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	125000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	8600	mg/kg	10000	10.0	6010B	07/29/2002	7/31/02	SM
Potassium	573	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	3680	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-28
Sample ID: S.S. 26 Btm 5'

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	2.29	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	271	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.5	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.59	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.88	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	3230	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	0.955	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	21.3	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	9.14	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204006-29
Sample ID: S.S. 27 Btm 5'

Cations

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Calcium	90800	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	5680	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	586	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	5120	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution		Method	Date	Date	Analyst
			Factor	RL		Prepared	Analyzed	
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	143	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.658	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	4.29	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.77	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	4320	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.65	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	24.7	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	11.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204006
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204006-30
Sample ID: S.S. 28 Btm 5'

Cations

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u>		<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
			<u>Factor</u>	<u>RL</u>		<u>Prepared</u>	<u>Analyzed</u>	
Calcium	190000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	3200	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	755	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	1220	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u>		<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
			<u>Factor</u>	<u>RL</u>		<u>Prepared</u>	<u>Analyzed</u>	
Arsenic	< 0.640	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	235	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.452	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	3.16	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Copper	1.96	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2820	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.07	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Manganese	23.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM
Zinc	14.6	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

Environmental Lab of Texas I, Ltd.

2600 West I-20 East
Odessa, Texas 79763

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

COC: 110 2 of 2
CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Todd Choban
Company Name: E.T.G.I.
Company Address: 4600 W. Wall
City/State/Zip: Midland Tx 79703
Telephone No: 915-522-1139
Sampler Signature: Marcelo Campos

Project Name: Champion Technology Inc
Project #: CH 2100
Project Loc: Hobbs, NM
PO #: _____

Fax No: 915-520-4310
Also Fax Houston: 281-362-8932

cpatel@etgi.cc
mhelvie@etgi.cc

Chan Patel

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative							Matrix		Other (specify):	TPH: 418.1	8015M	1005	1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/8022	RCI	WQCC Metals	Gen. Chemistry	RUSH TAT (Pre-Schedule)	Standard TAT	
					Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Water	Sludge																		Soil
01	South Excavation Stockpile -SS.1	7-25-02	0743	3	X							X									X	X	X		X				X	X	
02	" -SS.2		0754	3																	X	X	X		X				X	X	
03	S.S.1 Wall 5'		0845											X									X		X	X					
04	" 2 " 8'		0850																												
05	3 " 3'		0900																												
06	4 " 3'		0905																												
07	5 " 3'		0910																												
08	6 " 4'		0915																												
09	7 " 4'		0920																												
10	8 " 4'	✓	0925	✓	✓									✓									✓		✓	✓	✓				

Special Instructions:

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

Relinquished by: <u>Marcelo Campos</u>	Date <u>7-25-02</u>	Time <u>1640</u>	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: <u>Chan Patel</u>	Date <u>7-25-02</u>	Time <u>16:40</u>

7-26-02 @ 1030
AS per Todd

2600 West I-20 East
Odessa, Texas 79763

Fax: 915-563-1713

COC: 110 404

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Champion Chemicals Inc

Project #: CH 2100

Project Loc: Hobbs, W.M.

PO #:

Fax No: 915-520-4310

Sampler Signature: Marcelo Campos

LAB # (lab use only)		FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative							Matrix				Analyze For:												RUSH TAT (Pre-Schedule)	Standard TAT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
						Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TPH(418.1) 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/8020	PCl	TCLP:					TOTAL:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
21	0204006	S.S.-19 Wall-4'	7-25-02	1155	3	X										X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204005
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204005-01	SB-41 25'	SOIL	7/25/00 10:21	7/25/02 16:40	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	4 C		
1006 TNRCC, Aliphatics						
1006 TNRCC, Aromatics						
8015M						
8260B Volatiles List						
8270C - BNA						
Anions						
Cations						
Arsenic						
Barium						
Cadmium						
Chromium						
Copper						
Fluoride						
Iron						
Lead						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
pH						
Selenium						
Silver						
TPH 418.1 FTIR						
Zinc						

ENVIRONMENTAL LAB OF I, LTD.

Pg 1 of 3

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

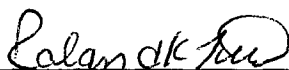
SampleType: Soil
Sample Condition: Intact/ Iced/ 4 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 07/25/02
Receiving Date: 07/25/02
Analysis Date: 07/29/02

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C35 mg/kg	TPH C6-C35 mg/kg
0204005-01	SB-41 25'	5140	8220	13360

% IA	91.3
% EA	118
BLANK	<10

METHODS: Modified 8015 C6-C35


Raland K. Tuttle

7-30-02
Date

Pg 2 of 3

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

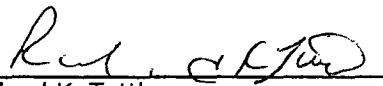
SampleType: Soil
Sample Condition: Intact/ Iced/ 4 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 07/25/02
Receiving Date: 07/25/02
Analysis Date: 07/29/02

ELT#	FIELD CODE	AROMATICS					
		C6-C8 mg/kg	>C8-C10 mg/kg	>C10-C12 mg/kg	>C12-C16 mg/kg	>C16-C21 mg/kg	>C21-C35 mg/kg
0204005-01	SB-41 25'	43.6	3.74	19.8	70.3	102	123

% IA
Blank

METHODS: Modified 8015 C6-C35


Raland K. Tuttle

7-30-02
Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

SampleType: Soil
Sample Condition: Intact/ Iced/ 4 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 07/25/02
Receiving Date: 07/25/02
Analysis Date: 07/29/02

ELT#	FIELD CODE	ALIPHATICS					
		C6-C8 mg/kg	>C8-C10 mg/kg	>C10-C12 mg/kg	>C12-C16 mg/kg	>C16-C21 mg/kg	>C21-C35 mg/kg
0204005-01	SB-41 25'	291	528	2087	2860	1674	1486

METHODS: Modified 8015 C6-C35

Raland K Tuttle
Raland K. Tuttle

7-30-02
Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204005
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204005-01
Sample ID: SB-41 25'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
	7/26/02	7/26/02	1	10	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	5140	100
DRO, >C12-C35	8220	100
TOTAL, C6-C35	13360	100

Approval: Raland K. Tuttle 7-29-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

Page 1 of 2

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204005
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab-ID: 0204005-01

Sample-ID: SB-41 25'

Date Collected	Date Received	Date Prepared	Date Analyzed	Matrix	Sample Amount	Dilution Factor	Analyst	Method	Method Blank
7/25/00 10:21	7/25/02 16:40	7/29/02	7/30/02 14:37	SOIL	5	200	CK	8260B	0002583-01

8260B Volatiles List

Parameter	Result µg/kg	RL	Parameter	Result µg/kg	RL
Dichlorodifluoromethane	<200	200	Chlorobenzene	<200	200
Chloromethane	<200	200	1,1,1,2-Tetrachloroethane	<200	200
Vinyl chloride	<200	200	EthylBenzene	14600	200
Bromomethane	<200	200	m,p-Xylene	18800	200
Chloroethane	<200	200	o-Xylene	7490	200
Trichlorofluoromethane	<200	200	Styrene	<200	200
1,1-Dichloroethene	<200	200	Bromoform	<200	200
Acetone	<200	200	trans-1,4-Dichloro-2-butene	<200	200
Iodomethane	<200	200	Isopropylbenzene	4920	200
Carbon disulfide	<200	200	1,2,3-Trichloropropane	<200	200
Methylene chloride	<200	200	1,1,2,2-Tetrachloroethane	<200	200
MTBE	<200	200	Bromobenzene	<200	200
trans-1,2-dichloroethylene	<200	200	n-Propylbenzene	7490	200
Acrylonitrile	<200	200	2-Chlorotoluene	<200	200
1,1-Dichloroethane	<200	200	1,3,5-Trimethylbenzene	6300	200
Vinyl acetate	<200	200	4-Chlorotoluene	<200	200
cis-1,2-Dichloroethene	<200	200	tert-Butylbenzene	<200	200
2-Butanone (MEK)	<200	200	1,2,4-Trimethylbenzene	19000	200
Bromochloromethane	<200	200	sec-Butylbenzene	3560	200
Chloroform	<200	200	1,3-Dichlorobenzene	<200	200
1,1,1-Trichloroethane	<200	200	p-Isopropyltoluene	2440	200
2,2-Dichloropropane	<200	200	1,4-Dichlorobenzene	<200	200
Carbon tetrachloride	<200	200	n-Butylbenzene	<200	200
1,1-Dichloropropene	<200	200	1,2-Dichlorobenzene	<200	200
1,2-Dichloroethane	<200	200	1,2-Dibromo-3-chloropropane	<200	200
Benzene	1300	200	1,2,4-Trichlorobenzene	<200	200
Trichloroethene	<200	200	Hexachlorobutadiene	<200	200
1,2-Dichloropropane	<200	200	Naphthalene	10300	200
Dibromomethane	<200	200	1,2,3-Trichlorobenzene	<200	200
Bromodichloromethane	<200	200			
2-Chloroethyl vinyl ether	<200	200			
cis-1,3-Dichloropropene	<200	200			
4-Methyl-2-pentanone	<200	200			
Toluene	4310	200			
trans-1,3-Dichloropropene	<200	200			
1,1,2-Trichloroethane	<200	200			
2-Hexanone	<200	200			
Tetrachloroethene	<200	200			
1,3-Dichloropropane	<200	200			
Dibromochloromethane	<200	200			
1,2-Dibromoethane	<200	200			

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	123%	53	144
1,2-dichloroethane-d4	96%	57	147
Toluene-d8	100%	64	128
4-Bromofluorobenzene	119%	47	158

RL = Reporting Limit

Approval:

Rand K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director

Date

ENVIRONMENTAL LAB OF TEXAS

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ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204005
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab-ID: 0204005-01

Sample-ID: SB-41 25'

Date Collected	Date Received	Date Prepared	Date Analyzed	Matrix	Sample Amount	Dilution Factor	Analyst	Method	Method Blank
7/25/00 10:21	7/25/02 16:40	7/26/02	7/30/02 13:15	SOIL	1	187	RKT	8270C	0002582-01

8270C - BNA

Parameter	Result µg/kg	RL	Parameter	Result µg/kg	RL
Pyridine	<1000	1000	2,3,4,6-Tetrachlorophenol	<1000	1000
N-Nitrosodimethylamine	<1000	1000	2,4-Dinitrotoluene	<1000	1000
Aniline	<1000	1000	Diethylphthalate	<1000	1000
Phenol	<1000	1000	Fluorene	2780	1000
bis(2-Chloroethyl) Ether	<1000	1000	4-Chlorophenyl-phenylether	<1000	1000
2-Chlorophenol	<1000	1000	4-Nitroaniline	<1000	1000
1,3-Dichlorobenzene	<1000	1000	Azobenzene	<1000	1000
1,4-Dichlorobenzene	<1000	1000	4,6-Dinitro-2-methylphenol	<1000	1000
1,2-Dichlorobenzene	<1000	1000	N-Nitrosodiphenylamine	<1000	1000
Benzyl Alcohol	<1000	1000	4-Bromophenyl-phenylether	<1000	1000
Bis(2-chloroisopropyl) ether	<1000	1000	Hexachlorobenzene	<1000	1000
2-Methylphenol	<1000	1000	Pentachlorophenol	<1000	1000
N-Nitroso-di-n-propylamine	<1000	1000	Phenanthrene	6460	1000
4-Methylphenol	<1000	1000	Anthracene	<1000	1000
Hexachloroethane	<1000	1000	Carbazole	<1000	1000
Nitrobenzene	<1000	1000	Di-n-Butylphthalate	<1000	1000
Isophorone	<1000	1000	Fluoranthene	<1000	1000
2-Nitrophenol	<1000	1000	Benzidine	<1000	1000
2,4-Dimethylphenol	<1000	1000	Pyrene	<1000	1000
bis(2-Chloroethoxy) methane	<1000	1000	Butylbenzylphthalate	<1000	1000
2,4-Dichlorophenol	<1000	1000	Benzo(a)anthracene	<1000	1000
Benzoic Acid	<1000	1000	Chrysene	<1000	1000
1,2,4-Trichlorobenzene	<1000	1000	bis-(2-Ethylhexyl) phthalate	<1000	1000
Naphthalene	8250	1000	Di-n-octylphthalate	<1000	1000
4-Chloroaniline	<1000	1000	Benzo(b)fluoranthene	<1000	1000
Hexachlorobutadiene	<1000	1000	Benzo(k)fluoranthene	<1000	1000
4-Chloro-3-methylphenol	<1000	1000	Benzo(a)pyrene	<1000	1000
2-Methylnaphthalene	18600	1000	Indeno(1,2,3-cd)Pyrene	<1000	1000
Hexachlorocyclopentadiene	<1000	1000	Dibenzo(a,h)Anthracene	<1000	1000
2,4,5-Trichlorophenol	<1000	1000	Benzo(g,h,i)Perylene	<1000	1000
2,4,6-Trichlorophenol	<1000	1000	3,3 Dichlorobenzidine	<1000	1000
2-Chloronaphthalene	<1000	1000			
2-Nitroaniline	<1000	1000			
Dimethylphthalate	<1000	1000			
2,6-Dinitrotoluene	<1000	1000			
3-Nitroaniline	<1000	1000			
Acenaphthylene	<1000	1000			
Acenaphthene	<1000	1000			
2,4-Dinitrophenol	<1000	1000			
4-Nitrophenol	<1000	1000			
Dibenzofuran	3080	1000			

Surrogates	% Recovered	QC Limits (%)	
2-Fluorophenol	68%	21	110
Phenol-d5	65%	10	110
Nitrobenzene-d5	90%	35	114
2-Fluorobiphenyl	104%	43	116
2,4,6-Tribromophenol	95%	10	123
p-Terphenyl-d14	90%	33	141

RL = Reporting Limit

Approval: *Raland K. Tuttle* 7-30-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204005
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204005-01
Sample ID: SB-41 25'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	409	mg/kg	1	2.00	300	7/29/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	300	7/29/02	SB
Chloride	421	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/30/02	SB
SULFATE, 375.4	162	mg/kg	1	25	300	7/29/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	12.4	mg/kg	5	2.5	353.3	7/26/02	RKT
Nitrogen, Nitrite	0.110	mg/kg	5	0.0250	9056	7/26/02	RKT
pH	8.13	pH Units	1	N/A	9045C	7/26/02	MB
TPH 418.1 FTIR	28000	mg/kg	5	50.0	418.1	7/29/02	SB

Approval:

Raland K. Tuttle 7-30-02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204005
Project: CH 2100
Project Name: Champion Technology Inc.
Location: Hobbs, NM

Lab ID: 0204005-01
Sample ID: SB-41 25'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	179000	mg/kg	50000	500	6010B	07/29/2002	7/30/02	SM
Magnesium	4220	mg/kg	1000	1.00	6010B	07/29/2002	7/30/02	SM
Potassium	713	mg/kg	100	5.00	6010B	07/29/2002	7/30/02	SM
Sodium	1730	mg/kg	1000	10.0	6010B	07/29/2002	7/30/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	2.77	mg/kg	80	0.640	3051/6010B	07/29/2002	7/30/02	MB
Barium	266	mg/kg	80	0.080	3051/6010B	07/29/2002	7/30/02	MB
Cadmium	<0.080	mg/kg	80	0.080	3051/6010B	07/29/2002	7/30/02	MB
Chromium	13.4	mg/kg	80	0.160	3051/6010B	07/29/2002	7/30/02	MB
Copper	7.64	mg/kg	80	0.160	3051/6010B	07/29/2002	7/30/02	MB
Iron	4500	mg/kg	800	1.6	3051/6010B	07/29/2002	7/30/02	MB
Lead	14.8	mg/kg	80	0.880	3051/6010B	07/29/2002	7/30/02	MB
Manganese	35.6	mg/kg	80	0.080	3051/6010B	07/29/2002	7/30/02	MB
Mercury, Total	<0.100	mg/kg	50	0.10	7470	07/29/2002	7/29/02	MB
Selenium	<0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	7/30/02	MB
Silver	<0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/30/02	MB
Zinc	59.3	mg/kg	80	0.080	3051/6010B	07/29/2002	7/30/02	MB

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

7-30-02

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204005

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002549-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204008-04	152	909	1140	108.7%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204008-04	152	909	1120	106.5%	1.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002549-05		1000	913	91.3%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8260B Volatiles List

Order#: G0204005

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	Dichlorodifluoromethane-µg/L	0002583-01			<25		
	Chloromethane-µg/L	0002583-01			<25		
	Vinyl chloride-µg/L	0002583-01			<25		
	Bromomethane-µg/L	0002583-01			<25		
	Chloroethane-µg/L	0002583-01			<25		
	Trichlorofluoromethane-µg/L	0002583-01			<25		
	1,1-Dichloroethene-µg/L	0002583-01			<25		
	Acetone-µg/L	0002583-01			<25		
	Iodomethane-µg/L	0002583-01			<25		
	Carbon disulfide-µg/L	0002583-01			<25		
	Methylene chloride-µg/L	0002583-01			<25		
	MTBE-µg/L	0002583-01			<25		
	trans-1,2-dichloroethylene-µg/L	0002583-01			<25		
	Acrylonitrile-µg/L	0002583-01			<25		
	1,1-Dichloroethane-µg/L	0002583-01			<25		
	Vinyl acetate-µg/L	0002583-01			<25		
	cis-1,2-Dichloroethene-µg/L	0002583-01			<25		
	2-Butanone (MEK)-µg/L	0002583-01			<25		
	1,1-Dichloromethane-µg/L	0002583-01			<25		
	Chloroform-µg/L	0002583-01			<25		
	1,1,1-Trichloroethane-µg/L	0002583-01			<25		
	2,2-Dichloropropane-µg/L	0002583-01			<25		
	Carbon tetrachloride-µg/L	0002583-01			<25		
	1,1-Dichloropropene-µg/L	0002583-01			<25		
	1,2-Dichloroethane-µg/L	0002583-01			<25		
	Benzene-µg/L	0002583-01			<25		
	Trichloroethene-µg/L	0002583-01			<25		
	1,2-Dichloropropane-µg/L	0002583-01			<25		
	Dibromomethane-µg/L	0002583-01			<25		
	Bromodichloromethane-µg/L	0002583-01			<25		
	2-Chloroethyl vinyl ether-µg/L	0002583-01			<25		
	cis-1,3-Dichloropropene-µg/L	0002583-01			<25		
	4-Methyl-2-pentanone-µg/L	0002583-01			<25		
	Toluene-µg/L	0002583-01			<25		
	trans-1,3-Dichloropropene-µg/L	0002583-01			<25		
	1,1,2-Trichloroethane-µg/L	0002583-01			<25		
	2-Hexanone-µg/L	0002583-01			<25		
	Tetrachloroethene-µg/L	0002583-01			<25		
	1,3-Dichloropropane-µg/L	0002583-01			<25		
	1,1-Dichloromethane-µg/L	0002583-01			<25		

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Blank	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
1,2-Dibromoethane-µg/L		0002583-01			<25		
Chlorobenzene-µg/L		0002583-01			<25		
1,1,1,2-Tetrachloroethane-µg/L		0002583-01			<25		
EthylBenzene-µg/L		0002583-01			<25		
m,p-Xylene-µg/L		0002583-01			<25		
o-Xylene-µg/L		0002583-01			<25		
Styrene-µg/L		0002583-01			<25		
Bromoform-µg/L		0002583-01			<25		
trans-1,4-Dichloro-2-butene-µg/L		0002583-01			<25		
Isopropylbenzene-µg/L		0002583-01			<25		
1,2,3-Trichloropropane-µg/L		0002583-01			<25		
1,1,2,2-Tetrachloroethane-µg/L		0002583-01			<25		
Bromobenzene-µg/L		0002583-01			<25		
n-Propylbenzene-µg/L		0002583-01			<25		
2-Chlorotoluene-µg/L		0002583-01			<25		
1,3,5-Trimethylbenzene-µg/L		0002583-01			<25		
4-Chlorotoluene-µg/L		0002583-01			<25		
tert-Butylbenzene-µg/L		0002583-01			<25		
1,2,4-Trimethylbenzene-µg/L		0002583-01			<25		
sec-Butylbenzene-µg/L		0002583-01			<25		
Isopropyltoluene-µg/L		0002583-01			<25		
n-Butylbenzene-µg/L		0002583-01			<25		
1,2-Dibromo-3-chloropropane-µg/L		0002583-01			<25		
1,2,3-Trichlorobenzene-µg/L		0002583-01			<25		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Vinyl chloride-µg/L		0002583-02		50	47.8	95.6%	
1,1-Dichloroethene-µg/L		0002583-02		50	61.9	123.8%	
2-Butanone (MEK)-µg/L		0002583-02		100	96.2	96.2%	
Chloroform-µg/L		0002583-02		50	57.2	114.4%	
Carbon tetrachloride-µg/L		0002583-02		50	62.2	124.4%	
1,2-Dichloroethane-µg/L		0002583-02		50	45.4	90.8%	
Benzene-µg/L		0002583-02		50	57.7	115.4%	
Trichloroethene-µg/L		0002583-02		50	40.4	80.8%	
Tetrachloroethene-µg/L		0002583-02		50	43.4	86.8%	
Chlorobenzene-µg/L		0002583-02		50	57.2	114.4%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Vinyl chloride-µg/L		0002583-03		50	44.2	88.4%	7.8%
1,1-Dichloroethene-µg/L		0002583-03		50	57	114.4%	8.2%
2-Butanone (MEK)-µg/L		0002583-03		100	89.4	89.4%	7.3%
Chloroform-µg/L		0002583-03		50	56.4	112.8%	1.4%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Carbon tetrachloride-µg/L	0002583-03		50	62.9	125.8%	1.1%
1,2-Dichloroethane-µg/L	0002583-03		50	45.7	91.4%	0.7%
Benzene-µg/L	0002583-03		50	57.6	115.2%	0.2%
Trichloroethene-µg/L	0002583-03		50	39.8	79.6%	1.5%
Tetrachloroethene-µg/L	0002583-03		50	41.8	83.6%	3.8%
Chlorobenzene-µg/L	0002583-03		50	57.5	115.5%	0.5%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Vinyl chloride-µg/L	0002583-04		20	21.7	108.5%	
1,1-Dichloroethane-µg/L	0002583-04		20	24	120.5%	
Chloroform-µg/L	0002583-04		20	23.9	119.5%	
1,2-Dichloropropane-µg/L	0002583-04		20	22.3	111.5%	
Toluene-µg/L	0002583-04		20	24.2	121.5%	
EthylBenzene-µg/L	0002583-04		20	23	115.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8270C - BNA

Order#: G0204005

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Pyridine-µg/L		0002582-01			<200		
N-Nitrosodimethylamine-µg/L		0002582-01			<200		
Aniline-µg/L		0002582-01			<200		
Phenol-µg/L		0002582-01			<200		
bis(2-Chloroethyl) Ether-µg/L		0002582-01			<200		
2-Chlorophenol-µg/L		0002582-01			<200		
1,3-Dichlorobenzene-µg/L		0002582-01			<200		
1,4-Dichlorobenzene-µg/L		0002582-01			<200		
1,2-Dichlorobenzene-µg/L		0002582-01			<200		
Benzyl Alcohol-µg/L		0002582-01			<200		
Bis(2-chloroisopropyl) ether-µg/L		0002582-01			<200		
2-Methylphenol-µg/L		0002582-01			<200		
N-Nitroso-di-n-propylamine-µg/L		0002582-01			<200		
4-Methylphenol-µg/L		0002582-01			<200		
Hexachloroethane-µg/L		0002582-01			<200		
Nitrobenzene-µg/L		0002582-01			<200		
Isophorone-µg/L		0002582-01			<200		
2-Nitrophenol-µg/L		0002582-01			<200		
2-Methylphenol-µg/L		0002582-01			<200		
bis(2-Chloroethoxy) methane-µg/L		0002582-01			<200		
2,4-Dichlorophenol-µg/L		0002582-01			<200		
Benzoic Acid-µg/L		0002582-01			<200		
1,2,4-Trichlorobenzene-µg/L		0002582-01			<200		
Naphthalene-µg/L		0002582-01			<200		
4-Chloroaniline-µg/L		0002582-01			<200		
Hexachlorobutadiene-µg/L		0002582-01			<200		
4-Chloro-3-methylphenol-µg/L		0002582-01			<200		
2-Methylnaphthalene-µg/L		0002582-01			<200		
Hexachlorocyclopentadiene-µg/L		0002582-01			<200		
2,4,5-Trichlorophenol-µg/L		0002582-01			<200		
2,4,6-Trichlorophenol-µg/L		0002582-01			<200		
2-Chloronaphthalene-µg/L		0002582-01			<200		
2-Nitroaniline-µg/L		0002582-01			<200		
Dimethylphthalate-µg/L		0002582-01			<200		
2,6-Dinitrotoluene-µg/L		0002582-01			<200		
3-Nitroaniline-µg/L		0002582-01			<200		
Acenaphthylene-µg/L		0002582-01			<200		
Acenaphthene-µg/L		0002582-01			<200		
2,4-Dinitrophenol-µg/L		0002582-01			<200		
phenol-µg/L		0002582-01			<200		

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Blank	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Dibenzofuran-µg/L		0002582-01			<200		
2,3,4,6-Tetrachlorophenol-µg/L		0002582-01			<200		
2,4-Dinitrotoluene-µg/L		0002582-01			<200		
Diethylphthalate-µg/L		0002582-01			<200		
Fluorene-µg/L		0002582-01			<200		
4-Chlorophenyl-phenylether-µg/L		0002582-01			<200		
4-Nitroaniline-µg/L		0002582-01			<200		
Azobenzene-µg/L		0002582-01			<200		
4,6-Dinitro-2-methylphenol-µg/L		0002582-01			<200		
N-Nitrosodiphenylamine-µg/L		0002582-01			<200		
4-Bromophenyl-phenylether-µg/L		0002582-01			<200		
Hexachlorobenzene-µg/L		0002582-01			<200		
Pentachlorophenol-µg/L		0002582-01			<200		
Phenanthrene-µg/L		0002582-01			<200		
Anthracene-µg/L		0002582-01			<200		
Carbazole-µg/L		0002582-01			<200		
Di-n-Butylphthalate-µg/L		0002582-01			<200		
Fluoranthene-µg/L		0002582-01			<200		
Benzidine-µg/L		0002582-01			<200		
Pyrene-µg/L		0002582-01			<200		
Benzo(a)pyrene-µg/L		0002582-01			<200		
Benzo(a)anthracene-µg/L		0002582-01			<200		
Chrysene-µg/L		0002582-01			<200		
bis-(2-Ethylhexyl) phthalate-µg/L		0002582-01			<200		
Di-n-octylphthalate-µg/L		0002582-01			<200		
Benzo(b)fluoranthene-µg/L		0002582-01			<200		
Benzo(k)fluoranthene-µg/L		0002582-01			<200		
Benzo(a)pyrene-µg/L		0002582-01			<200		
Indeno(1,2,3-cd)Pyrene-µg/L		0002582-01			<200		
Dibenzo(a,h)Anthracene-µg/L		0002582-01			<200		
Benzo(g,h,i)Perylene-µg/L		0002582-01			<200		
3,3 Dichlorobenzidine-µg/L		0002582-01			<200		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Phenol-µg/L		0002582-02		200	62.2	31.1%	
2-Chlorophenol-µg/L		0002582-02		200	91.5	45.8%	
1,4-Dichlorobenzene-µg/L		0002582-02		100	49.6	49.6%	
N-Nitroso-di-n-propylamine-µg/L		0002582-02		100	70.8	70.8%	
1,2,4-Trichlorobenzene-µg/L		0002582-02		100	63.5	63.5%	
4-Chloro-3-methylphenol-µg/L		0002582-02		200	77.1	38.5%	
Acenaphthene-µg/L		0002582-02		100	67.7	67.7%	
4-Chlorophenol-µg/L		0002582-02		200	104	52.2%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
2,4-Dinitrotoluene-µg/L	0002582-02		100	57.3	57.3%	
Pentachlorophenol-µg/L	0002582-02		200	152	76.0%	
Pyrene-µg/L	0002582-02		100	107	107.0%	
CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Phenol-µg/L	0002582-03		200	71.2	35.6%	13.5%
2-Chlorophenol-µg/L	0002582-03		200	111	55.5%	19.3%
1,4-Dichlorobenzene-µg/L	0002582-03		100	61.1	61.1%	20.8%
N-Nitroso-di-n-propylamine-µg/L	0002582-03		100	75	75.0%	5.8%
1,2,4-Trichlorobenzene-µg/L	0002582-03		100	75.8	75.8%	17.7%
4-Chloro-3-methylphenol-µg/L	0002582-03		200	80	40.0%	3.7%
Acenaphthene-µg/L	0002582-03		100	72.9	72.9%	7.4%
4-Nitrophenol-µg/L	0002582-03		200	113	56.5%	8.3%
2,4-Dinitrotoluene-µg/L	0002582-03		100	61	61.0%	6.3%
Pentachlorophenol-µg/L	0002582-03		200	168	84.0%	10.0%
Pyrene-µg/L	0002582-03		100	102	102.0%	4.8%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Phenol-µg/L	0002582-04		50	34.4	68.8%	
1,4-Dichlorobenzene-µg/L	0002582-04		50	56.7	113.4%	
2-Chlorophenol-µg/L	0002582-04		50	50.2	100.4%	
2,4-Dichlorophenol-µg/L	0002582-04		50	50.5	101.0%	
Hexachlorobutadiene-µg/L	0002582-04		50	52.5	105.0%	
4-Chloro-3-methylphenol-µg/L	0002582-04		50	31.2	62.4%	
2,4,6-Trichlorophenol-µg/L	0002582-04		50	46.9	93.8%	
Acenaphthene-µg/L	0002582-04		50	55.9	111.8%	
N-Nitrosodiphenylamine-µg/L	0002582-04		50	62.2	124.4%	
Pentachlorophenol-µg/L	0002582-04		50	40.2	80.4%	
Fluoranthene-µg/L	0002582-04		50	45.4	90.8%	
Di-n-octylphthalate-µg/L	0002582-04		50	70.6	141.2%	
Benzo(a)pyrene-µg/L	0002582-04		50	55.6	111.2%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0204005

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002593-02			< 1.0		
Magnesium-mg/kg		0002593-02			< 0.10		
Potassium-mg/kg		0002593-02			< 5.0		
Sodium-mg/kg		0002593-02			< 1.0		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0204005-01	179000		183000		2.2%
Magnesium-mg/kg		0204005-01	4220		4260		0.9%
Potassium-mg/kg		0204005-01	713		698		2.1%
Sodium-mg/kg		0204005-01	1730		1730		0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002593-05		2	1.76	88.0%	
Magnesium-mg/kg		0002593-05		2	2.17	108.5%	
Potassium-mg/kg		0002593-05		2	1.76	88.0%	
Sodium-mg/kg		0002593-05		2	1.87	93.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204005

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002590-01			< 0.640		
Barium-mg/kg		0002590-01			< 0.080		
Cadmium-mg/kg		0002590-01			< 0.080		
Chromium-mg/kg		0002590-01			< 0.160		
Copper-mg/kg		0002592-01			< 0.160		
Fluoride-mg/kg		0002596-01			< 0.02		
Iron-mg/kg		0002592-01			< 0.160		
Lead-mg/kg		0002590-01			< 0.880		
Manganese-mg/kg		0002592-01			< 0.080		
Mercury, Total-mg/kg		0002584-01			< 0.100		
Nitrogen, Nitrate-mg/kg		0002578-01			< 2.5		
Nitrogen, Nitrite-mg/kg		0002578-01			< 0.025		
pH-pH Units		0002588-01			7.42		
Selenium-mg/kg		0002590-01			< 0.320		
Silver-mg/kg		0002590-01			< 0.160		
TPH 418.1 FTIR-mg/kg		0002541-01			< 10.0		
Zinc-mg/kg		0002592-01			< 0.080		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002590-02		64	53.2	83.1%	
Barium-mg/kg		0002590-02		16	18	112.5%	
Cadmium-mg/kg		0002590-02		16	15.58	97.4%	
Chromium-mg/kg		0002590-02		16	15.9	99.4%	
Copper-mg/kg		0002592-02		16	16.9	105.6%	
Iron-mg/kg		0002592-02		16	15.8	98.8%	
Lead-mg/kg		0002590-02		88	79.4	90.2%	
Manganese-mg/kg		0002592-02		16	16.5	103.1%	
Mercury, Total-mg/kg		0002584-02		0.015	0.014	93.3%	
pH-pH Units		0002588-02		7	7.03	100.4%	
Selenium-mg/kg		0002590-02		32	22.8	71.3%	
Silver-mg/kg		0002590-02		16	12.6	78.7%	
Zinc-mg/kg		0002592-02		16	18.3	114.4%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002590-03		64	52.3	81.7%	1.7%
Barium-mg/kg		0002590-03		16	18	112.5%	0.0%
Cadmium-mg/kg		0002590-03		16	15.75	98.4%	1.1%
Chromium-mg/kg		0002590-03		16	16.0	100.0%	0.6%
Copper-mg/kg		0002592-03		16	16.9	105.6%	0.0%
Iron-mg/kg		0002592-03		16	15.9	99.4%	0.6%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Lead-mg/kg	0002590-03		88	79.4	90.2%	0.0%
Manganese-mg/kg	0002592-03		16	16.5	103.1%	0.0%
Mercury, Total-mg/kg	0002584-03		0.015	0.015	100.0%	6.9%
Selenium-mg/kg	0002590-03		32	21.6	67.5%	5.4%
Silver-mg/kg	0002590-03		16	12.1	75.6%	4.0%
Zinc-mg/kg	0002592-03		16	18.4	115.0%	0.5%
DUPLICATE SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg	0204005-01	0		<0.02		0.0%
Nitrogen, Nitrate-mg/kg	0204005-01	12.4		13.9		11.4%
Nitrogen, Nitrite-mg/kg	0204005-01	0.11		0.110		0.0%
pH-pH Units	0204005-01	8.13		8.20		0.9%
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg	0204004-01	1730	2500	4180	98.0%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg	0204004-01	1730	2500	4270	101.6%	2.1%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
As-mg/kg	0002590-04		1	1.06	106.0%	
B-mg/kg	0002590-04		1	0.946	94.6%	
Cadmium-mg/kg	0002590-04		1	1.05	105.0%	
Chromium-mg/kg	0002590-04		1	1.01	101.0%	
Copper-mg/kg	0002592-04		1	1.02	102.0%	
Fluoride-mg/kg	0002596-04		1	0.96	96.0%	
Iron-mg/kg	0002592-04		1	1.01	101.0%	
Lead-mg/kg	0002590-04		1	1.08	108.0%	
Manganese-mg/kg	0002592-04		1	0.972	97.2%	
Mercury, Total-mg/kg	0002584-04		0.015	0.015	100.0%	
Nitrogen, Nitrate-mg/kg	0002578-04		1	1.0	100.0%	
Nitrogen, Nitrite-mg/kg	0002578-04		0.2	0.166	83.0%	
pH-pH Units	0002588-04		7	7.05	100.7%	
Selenium-mg/kg	0002590-04		1	1.03	103.0%	
Silver-mg/kg	0002590-04		0.5	0.50	100.0%	
TPH 418.1 FTIR-mg/kg	0002541-04		5008	4850	96.8%	
Zinc-mg/kg	0002592-04		1	0.984	98.4%	

12600 West I-20 East
Odessa, Texas 79763

Fax: 915-563-1713

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COC: 110 12

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:

Project Name:

Company Name

Project #:

Company Address:

Project Loc:

PO #:

Telephone No:

Fax No:

Sampler Signature:

[illegible]

ENVIRONMENTAL LAB OF TEXAS**SAMPLE WORK LIST**

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204041
Project: CH2100
Project Name: Champion Technology-Hobbs
Location: Hobbs (Lea Co.), NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204041-01	SB-41 @ 39'	SOIL	7/26/02 11:17	7/27/02 12:01	4 oz glass	- Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 8.0 C			
8015M						
Anions						
Cations						
METALS RCRA 7 Total						
Copper						
Fluoride						
Iron						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
pH						
TPH 418.1 FTIR						
Zinc						
0204041-02	MW-9 @ 5'	SOIL	7/26/02 7:49	7/27/02 12:01	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 8.0 C			
Anions						
Cations						
METALS RCRA 7 Total						
Copper						
Fluoride						
Iron						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
pH						
Zinc						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Chohan
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204041
Project: CH2100
Project Name: Champion Technology-Hobbs
Location: Hobbs (Lea Co.), NM

Lab ID: 0204041-01
Sample ID: SB-41 @ 39'

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		7/29/02	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	678	50.0
DRO, >C12-C35	1,320	50.0
TOTAL, C6-C35	1998	50.0

Approval: Rafael K. Tuttle 8-01-02

Rafael K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biczugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204041
Project: CH2100
Project Name: Champion Technology-Hobbs
Location: Hobbs (Lea Co.), NM

Lab ID: 0204041-01
Sample ID: SB-41 @ 39'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	110000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	1260	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	420	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	863	mg/kg	1000	10.0	6010B	07/29/2002	7/31/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.07	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	131	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.497	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	12.5	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	2.74	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	3.53	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	2710	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Manganese	19.7	mg/kg	80	0.080	3051/6010B		8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7471	07/29/2002	7/29/02	SM
Zinc	36.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Lab ID: 0204041-02
Sample ID: MW-9 @ 5'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	121000	mg/kg	50000	500	6010B	07/29/2002	7/31/02	SM
Magnesium	1320	mg/kg	1000	1.0	6010B	07/29/2002	7/31/02	SM
Potassium	428	mg/kg	100	5.0	6010B	07/29/2002	7/31/02	SM
Sodium	842	mg/kg	100	1.0	6010B	07/29/2002	7/31/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.84	mg/kg	80	0.640	3051/6010B	07/29/2002	8/1/02	SM
Barium	75.4	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Cadmium	0.251	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM
Chromium	2.10	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Lead	1.51	mg/kg	80	0.880	3051/6010B	07/29/2002	8/1/02	SM
Selenium	< 0.320	mg/kg	80	0.320	3051/6010B	07/29/2002	8/1/02	SM

N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204041
Project: CH2100
Project Name: Champlon Technology-Hobbs
Location: Hobbs (Lea Co.), NM

Lab ID: 0204041-02
Sample ID: MW-9 @ 5'

METALS RCRA 7 Total

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Silver	< 0.160	mg/kg	80	0.160	3051/6010B	07/29/2002	7/31/02	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Copper	0.619	mg/kg	80	0.160	3051/6010B	07/29/2002	8/1/02	SM
Iron	1860	mg/kg	800	1.6	3051/6010B	07/29/2002	8/1/02	SM
Manganese	19.1	mg/kg	80	0.080	3051/6010B		8/1/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7471	07/29/2002	7/29/02	SM
Zinc	5.56	mg/kg	80	0.080	3051/6010B	07/29/2002	8/1/02	SM

Approval:

Raland K. Tuttle 8-01-02
Raland K. Tuttle, Lab Director, QA Officer
Celcy D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204041
Project: CH2100
Project Name: Champion Technology-Hobbs
Location: Hobbs (Lea Co.), NM

Lab ID: 0204041-01
Sample ID: SB-41 @ 39'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	200	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	421	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	86.0	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	4.0	mg/kg	5	2.5	353.3	7/27/02	RKT
Nitrogen, Nitrite	0.050	mg/kg	5	0.0250	9056	7/27/02	RKT
pH	8.07	pH Units	1	N/A	9045C	7/28/02	SB
TPH 418.1 FTIR	3900	mg/kg	1	10.0	418.1	7/28/02	SB

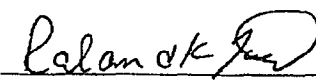
Lab ID: 0204041-02
Sample ID: MW-9 @ 5'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	265	mg/kg	1	2.00	310.1	7/28/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/28/02	SB
Chloride	73.9	mg/kg	1	10	9253	7/30/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	7/28/02	SB
SULFATE, 375.4	98.0	mg/kg	1	25	375.4	7/30/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	<0.02	mg/kg	1	0.02	340.1	7/29/02	SB
Nitrogen, Nitrate	<12.5	mg/kg	25	12.5	353.3	7/27/02	RKT
Nitrogen, Nitrite	<0.250	mg/kg	50	0.250	9056	7/27/02	RKT
pH	8.54	pH Units	1	N/A	9045C	7/28/02	SB

Approval:  8-01-02
Ralanda K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biczugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****8015M****Order#: G0204041**

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002642-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002642-03		909	1160	127.6%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002642-04		909	1120	123.2%	3.5%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002642-05		1000	1100	110.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0204041

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002565-01			<10.0		
Carbonate Alkalinity-mg/kg		0002567-01			<0.10		
Chloride-mg/kg		0002608-01			<10.0		
Hydroxide Alkalinity-mg/kg		0002569-01			<0.10		
SULFATE, 375.4-mg/kg		0002609-01			<0.50		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0204006-22	80		82.5		3.1%
Carbonate Alkalinity-mg/kg		0204006-22	10		10		0%
Hydroxide Alkalinity-mg/kg		0204006-22	0		<0.10		0%
SULFATE, 375.4-mg/kg		0204006-22	525		520		1%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204006-22	3370	5000	8240	97.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204006-22	3370	5000	8330	99.2%	1.1%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002565-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/kg		0002567-04		0.05	0.0496	99.2%	
Chloride-mg/kg		0002608-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/kg		0002569-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/kg		0002609-04		50	49.5	99%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0204041

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002621-02			< 1.0		
Magnesium-mg/kg		0002621-02			<0.001		
Potassium-mg/kg		0002621-02			< 5.0		
Sodium-mg/kg		0002621-02			< 1.0		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0204006-23	240000		251000		4.5%
Magnesium-mg/kg		0204006-23	2200		2210		0.5%
Potassium-mg/kg		0204006-23	586		600		2.4%
Sodium-mg/kg		0204006-23	1590		1560		1.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002621-05		2	2.29	114.5%	
Magnesium-mg/kg		0002621-05		2	2.02	101.1%	
Potassium-mg/kg		0002621-05		2	1.93	96.5%	
Sodium-mg/kg		0002621-05		2	1.90	95.1%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

METALS RCRA 7 Total

Order#: G0204041

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002644-01			< 0.64		
Barium-mg/kg		0002644-01			< 0.080		
Cadmium-mg/kg		0002644-01			< 0.080		
Chromium-mg/kg		0002644-01			< 0.16		
Lead-mg/kg		0002644-01			< 0.88		
Selenium-mg/kg		0002644-01			< 0.32		
Silver-mg/kg		0002639-01			< 0.16		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002644-02		40	40.9	102.3%	
Barium-mg/kg		0002644-02		40	39.9	99.7%	
Cadmium-mg/kg		0002644-02		40	42.6	106.5%	
Chromium-mg/kg		0002644-02		40	38.2	95.5%	
Lead-mg/kg		0002644-02		40	40.0	100.0%	
Selenium-mg/kg		0002644-02		40	42.3	105.7%	
Silver-mg/kg		0002639-02		16	13.2	82.5%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002644-03		40	40.0	100.0%	2.2%
Barium-mg/kg		0002644-03		40	39.3	98.2%	1.5%
Cadmium-mg/kg		0002644-03		40	42.6	106.5%	0.0%
Chromium-mg/kg		0002644-03		40	38.1	95.3%	0.3%
Lead-mg/kg		0002644-03		40	41.3	103.3%	3.2%
Selenium-mg/kg		0002644-03		40	42.6	106.5%	0.7%
Silver-mg/kg		0002639-03		16	13.5	84.4%	2.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002644-04		1	1.00	100.0%	
Barium-mg/kg		0002644-04		1	0.913	91.3%	
Cadmium-mg/kg		0002644-04		1	1.06	106.0%	
Chromium-mg/kg		0002644-04		1	0.929	92.9%	
Lead-mg/kg		0002644-04		1	1.01	101.0%	
Selenium-mg/kg		0002644-04		1	1.02	102.0%	
Silver-mg/kg		0002639-04		0.5	0.495	99.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

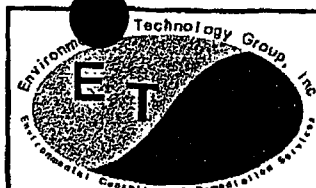
Order#: G0204041

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002643-01			< 0.16		
Fluoride-mg/kg		0002607-01			< 0.02		
Iron-mg/kg		0002643-01			< 0.16		
Manganese-mg/kg		0002643-01			< 0.080		
Mercury, Total-mg/kg		0002648-01			< 0.10		
Nitrogen, Nitrate-mg/kg		0002576-01			< 2.5		
Nitrogen, Nitrite-mg/kg		0002579-01			< 0.025		
pH-pH Units		0002561-01			6.34		
TPH 418.1 FTIR-mg/kg		0002556-01			< 10		
Zinc-mg/kg		0002643-01			< 0.080		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002643-02		16	16.1	100.6%	
Iron-mg/kg		0002643-02		16	17.2	107.5%	
Manganese-mg/kg		0002643-02		16	15.6	97.5%	
Mercury, Total-mg/kg		0002648-02		0.75	0.710	94.7%	
Nitrogen, Nitrate-mg/kg		0002576-02		2.5	2.5	100.0%	
Nitrogen, Nitrite-mg/kg		0002579-02		0.2	0.181	90.5%	
Zinc-mg/kg		0002643-02		16	18.4	115.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002643-03		16	15.8	98.8%	1.9%
Iron-mg/kg		0002643-03		16	17.1	106.9%	0.6%
Manganese-mg/kg		0002643-03		16	15.5	96.9%	0.6%
Mercury, Total-mg/kg		0002648-03		0.75	0.765	102.0%	7.5%
Nitrogen, Nitrate-mg/kg		0002576-03		2.5	2.4	96.0%	4.1%
Nitrogen, Nitrite-mg/kg		0002579-03		0.2	0.186	93.0%	2.7%
Zinc-mg/kg		0002643-03		16	18.1	113.1%	1.6%
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg		0204006-22	0		< 0.02		0.0%
pH-pH Units		0204041-01	8.07		8.13		0.7%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg		0204032-61	13.4	2640	2780	104.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg		0204032-61	13.4	2640	2790	105.2%	0.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002643-04		1	1.03	103.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

<i>SRM</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg		0002607-04		1	0.95	95.0%	
Iron-mg/kg		0002643-04		1	1.02	102.0%	
Manganese-mg/kg		0002643-04		1	1.01	101.0%	
Mercury, Total-mg/kg		0002648-04		0.015	0.015	100.0%	
Nitrogen, Nitrate-mg/kg		0002576-04		2.5	2.5	100.0%	
Nitrogen, Nitrite-mg/kg		0002579-04		0.2	0.178	89.0%	
pH-pH Units		0002561-04		10	10.01	100.1%	
TPH 418.1 FTIR-mg/kg		0002556-04		5288	5440	102.9%	
Zinc-mg/kg		0002643-04		1	1.01	101.0%	



4600 West Wall
Midland, TX 79703
Tel (915) 522-1139
Fax (915) 520-4310

1766 Woodstead Court, Ste. 117
The Woodlands, TX 77380
Tel (281) 362-8571
Fax (281) 362-8932

2540 West Marland
Hobbs, NM 88242
Tel (505) 397-4882
Fax (505) 397-4701

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST
(Circle or Specify Method No.)

Project Manager:

TODD CHOBAN

Project Name:

Champion Technologies - Hobbs

Project Number:

CH2100

Project Location:

Hobbs (Lea Co), NM

Sampler Signature:

TODD CHOBAN

LAB # (Lab Use Only)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATION METHOD					SAMPLING		BTX 8021B/BTEX 8260B	TPH 418, TX 1005 Ex/TX 1008	TPH 8015M GRO/DRO	PAH 8270C (8100 New Mexico only)	Total Metals Ag As Ba Cd Cr Pb Se	TCLP Metals Ag As Ba Cd Cr Pb Se	TCLP Volatiles	TCLP Semi Volatiles	Volatiles 8260B	Semi Volatiles 8270C	TDS 160.1	Cations/Anions 375.4/325.3	RCI	WQCC Metals	General Chemistry	RUSH TAT	STANDARD TAT	
				WATER	SOIL	AIR	SLUDGE	HCL	HNO ₃	NaHSO ₄	ICE	NONE	DATE	TIME																		
0204041																																
01	SB-41 @ 39'	4			X						X		7/24/02	11:12		X	X							H ₂	H ₂				X	X		X
02	MW-9 @ 5'	3			X						X		7/24/02	7:49															X	X		X

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204067
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0204067-01	Area 3 N. Stockpile Excavation SS-1	SOIL	7/30/02 11:00	7/30/02 15:30	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	3.0 C		
	8015M					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					
	Fluoride					
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					
0204067-02	Area 3 N. Stockpile Excavation SS-2	SOIL	7/30/02 11:05	7/30/02 15:30	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	3.0 C		
	8015M					
	Anions					
	Cations					
	Arsenic					
	Barium					
	Cadmium					
	Chromium					
	Copper					
	Fluoride					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204067
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	Iron					
	Lead					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Selenium					
	Silver					
	TPH 418.1 FTIR					
	Zinc					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204067
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204067-01
Sample ID: Area 3 N. Stockpile Excavation SS-1

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	71.3	10.0
TOTAL, C6-C35	71.3	10.0

Lab ID: 0204067-02
Sample ID: Area 3 N. Stockpile Excavation SS-2

8015M

<u>Method</u>	<u>Date</u>	<u>Date</u>	<u>Sample</u>	<u>Dilution</u>	<u>Analyst</u>	<u>Method</u>
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	59.8	10.0
TOTAL, C6-C35	59.8	10.0

Approval:

Raland K. Tuttle
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

8-02-02
Date

N/A = Not Applicable RL = Reporting Limit

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204067
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204067-01
Sample ID: Area 3 N. Stockpile Excavation SS-1

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	119,000	mg/kg	10000	100	6010B	08/02/2002	8/2/02	SM
Magnesium	960	mg/kg	100	0.100	6010B	08/02/2002	8/2/02	SM
Potassium	479	mg/kg	100	5.00	6010B	08/02/2002	8/2/02	SM
Sodium	1,700	mg/kg	1000	10.0	6010B	08/02/2002	8/2/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	1.84	mg/kg	50	0.40	3050/6010B	08/01/2002	8/2/02	SM
Barium	465	mg/kg	50	0.050	3050/6010B	08/01/2002	8/2/02	SM
Cadmium	0.866	mg/kg	50	0.050	3050/6010B	08/01/2002	8/2/02	SM
Chromium	5.58	mg/kg	50	0.10	3050/6010B	08/01/2002	8/2/02	SM
Copper	3.3	mg/kg	50	0.10	3050/6010B	08/01/2002	8/2/02	SM
Iron	4,360	mg/kg	500	1.0	3050/6010B	08/01/2002	8/2/02	SM
Lead	4.22	mg/kg	50	0.550	3050/6010B	08/01/2002	8/2/02	SM
Manganese	37.6	mg/kg	50	0.050	3050/6010B	08/01/2002	8/2/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/31/2002	8/2/02	MB
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	08/01/2002	8/2/02	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	08/01/2002	8/2/02	SM
Zinc	19.3	mg/kg	50	0.050	3050/6010B	08/01/2002	8/2/02	SM

Lab ID: 0204067-02
Sample ID: Area 3 N. Stockpile Excavation SS-2

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	120,000	mg/kg	10000	100	6010B	08/02/2002	8/2/02	SM
Magnesium	922	mg/kg	100	0.100	6010B	08/02/2002	8/2/02	SM
Potassium	486	mg/kg	100	5.00	6010B	08/02/2002	8/2/02	SM
Sodium	2,400	mg/kg	1000	10.0	6010B	08/02/2002	8/2/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.922	mg/kg	50	0.40	3050/6010B	08/01/2002	8/2/02	SM
Barium	479	mg/kg	50	0.050	3050/6010B	08/01/2002	8/2/02	SM
Cadmium	0.488	mg/kg	50	0.050	3050/6010B	08/01/2002	8/2/02	SM
Chromium	5.48	mg/kg	50	0.10	3050/6010B	08/01/2002	8/2/02	SM
Copper	3.31	mg/kg	50	0.10	3050/6010B	08/01/2002	8/2/02	SM
Iron	4,720	mg/kg	500	1.0	3050/6010B	08/01/2002	8/2/02	SM
Lead	3.31	mg/kg	50	0.550	3050/6010B	08/01/2002	8/2/02	SM
Manganese	42.5	mg/kg	50	0.050	3050/6010B	08/01/2002	8/2/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/31/2002	8/2/02	MB

N/A = Not Applicable RL = Reporting Limit

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204067
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204067-02
Sample ID: Area 3 N. Stockpile Excavation SS-2

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution</u> <u>Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	08/01/2002	8/2/02	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	08/01/2002	8/2/02	SM
Zinc	17.5	mg/kg	50	0.050	3050/6010B	08/01/2002	8/2/02	SM

Approval: Raland K. Tuttle 8-02-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204067
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204067-01
Sample ID: Area 3 N. Stockpile Excavation SS-1

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	65.0	mg/kg	1	2.00	310.1	7/31/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/31/02	SB
Chloride	709	mg/kg	1	10	9253	8/1/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/31/02	SB
SULFATE, 375.4	424	mg/kg	1	25	375.4	7/31/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	7.00	mg/kg	1	0.10	340.1	7/31/02	MB
Nitrogen, Nitrate	6.5	mg/kg	5	0.50	353.3	8/1/02	MB
Nitrogen, Nitrite	0.228	mg/kg	5	0.0040	354.1	8/1/02	MB
pH	8.09	pH Units	1	N/A	9045C	7/31/02	SB
TPH 418.1 FTIR	242	mg/kg	1	10.8	418.1	7/31/02	SB

Lab ID: 0204067-02
Sample ID: Area 3 N. Stockpile Excavation SS-2

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	67.5	mg/kg	1	2.00	310.1	7/31/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/31/02	SB
Chloride	798	mg/kg	1	10	9253	8/1/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/31/02	SB
SULFATE, 375.4	404	mg/kg	1	25	375.4	7/31/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	7.50	mg/kg	1	0.10	340.1	7/31/02	MB
Nitrogen, Nitrate	10	mg/kg	5	0.50	353.3	8/1/02	MB
Nitrogen, Nitrite	0.320	mg/kg	5	0.0040	354.1	8/1/02	MB
pH	8.14	pH Units	1	N/A	9045C	7/31/02	SB
TPH 418.1 FTIR	272	mg/kg	1	10.8	418.1	7/31/02	SB

Approval:

Raland K. Tuttle 8-05-02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0204067

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002657-01			<2.00		
Carbonate Alkalinity-mg/kg		0002657-01			<0.10		
Chloride-mg/kg		0002656-01			<10		
Hydroxide Alkalinity-mg/kg		0002657-01			<0.10		
SULFATE, 375.4-mg/kg		0002659-01			<0.50		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0204067-01	65		65		0.0%
Carbonate Alkalinity-mg/kg		0204067-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/kg		0204067-01	0		<0.10		0.0%
SULFATE, 375.4-mg/kg		0204067-01	424		435		2.6%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204068-03	88.6	2760	2570	89.9%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204068-03	88.6	2760	2570	89.9%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002657-04		5	4.96	99.2%	
Chloride-mg/kg		0002656-04		5000	4960	99.2%	
SULFATE, 375.4-mg/kg		0002659-04		50	49.7	99.4%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204067

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002635-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002635-03		909	1070	117.7%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002635-04		909	883	97.1%	19.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002635-05		1000	936	93.6%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0204067

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002671-02			< 1.0		
Magnesium-mg/kg		0002671-02			< 0.10		
Potassium-mg/kg		0002671-02			< 5.0		
Sodium-mg/kg		0002671-02			< 10.0		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0204067-02	120000		119,000		0.8%
Magnesium-mg/kg		0204067-02	922		915		0.8%
Potassium-mg/kg		0204067-02	486		442		9.5%
Sodium-mg/kg		0204067-02	2400		2,430		0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002671-05		2	1.87	93.5%	
Magnesium-mg/kg		0002671-05		2	2.06	103.0%	
Potassium-mg/kg		0002671-05		2	1.98	99.0%	
Sodium-mg/kg		0002671-05		2	1.99	99.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204067

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002669-01			< 0.40		
Barium-mg/kg		0002669-01			< 0.050		
Cadmium-mg/kg		0002669-01			< 0.050		
Chromium-mg/kg		0002669-01			< 0.10		
Copper-mg/kg		0002670-01			< 0.10		
Fluoride-mg/kg		0002653-01			< 0.02		
Iron-mg/kg		0002670-01			< 0.10		
Lead-mg/kg		0002669-01			< 0.55		
Manganese-mg/kg		0002670-01			< 0.050		
Mercury, Total-mg/kg		0002665-01			< 0.10		
Nitrogen, Nitrate-mg/kg		0002658-01			< 0.10		
Nitrogen, Nitrite-mg/kg		0002660-01			< 0.00080		
pH-pH Units		0002627-01			6.03		
Selenium-mg/kg		0002669-01			< 0.20		
Silver-mg/kg		0002669-01			< 0.10		
TPH 418.1 FTIR-mg/kg		0002620-01			< 10.0		
Zinc-mg/kg		0002670-01			< 0.050		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002669-02		40	37.6	94.4%	
Barium-mg/kg		0002669-02		10	10.6	106.0%	
Cadmium-mg/kg		0002669-02		10	9.71	97.1%	
Chromium-mg/kg		0002669-02		10	9.48	94.8%	
Copper-mg/kg		0002670-02		10	10.3	103.0%	
Iron-mg/kg		0002670-02		10	10.5	105.0%	
Lead-mg/kg		0002669-02		50	44.0	88.0%	
Manganese-mg/kg		0002670-02		10	10.7	107.0%	
Mercury, Total-mg/kg		0002665-02		0.015	0.015	100.0%	
Selenium-mg/kg		0002669-02		20	18.9	94.5%	
Silver-mg/kg		0002669-02		5	4.30	86.0%	
Zinc-mg/kg		0002670-02		10	11.6	116.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002669-03		40	37.7	94.3%	0.3%
Barium-mg/kg		0002669-03		10	10.6	106.0%	0.0%
Cadmium-mg/kg		0002669-03		10	9.78	97.8%	0.7%
Chromium-mg/kg		0002669-03		10	9.59	95.9%	1.2%
Copper-mg/kg		0002670-03		10	10.1	101.0%	2.0%
Iron-mg/kg		0002670-03		10	10.3	103.0%	1.9%
Zinc-mg/kg		0002669-03		50	43.9	87.8%	0.2%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Manganese-mg/kg	0002670-03		10	10.5	105.5%	1.9%
Mercury, Total-mg/kg	0002665-03		0.015	0.015	100.0%	0.0%
Selenium-mg/kg	0002669-03		20	19.1	95.5%	1.1%
Silver-mg/kg	0002669-03		5	4.34	86.8%	0.9%
Zinc-mg/kg	0002670-03		10	11.4	114.0%	1.7%
DUPLICATE SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg	0204068-03	4.15		4.1		1.2%
Nitrogen, Nitrate-mg/kg	0204068-03	2		2.0		0.0%
Nitrogen, Nitrite-mg/kg	0204068-03	0.144		0.153		6.1%
pH-pH Units	0204068-03	8.47		8.48		0.1%
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg	0204049-01	4530	2640	7250	103.0%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg	0204049-01	4530	2640	7250	103.0%	0.0%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg	0002669-04		1	1.10	110.0%	
Boron-mg/kg	0002669-04		1	1.04	104.0%	
Cadmium-mg/kg	0002669-04		1	1.07	107.0%	
Chromium-mg/kg	0002669-04		1	1.01	101.0%	
Copper-mg/kg	0002670-04		1	1.00	100.0%	
Fluoride-mg/kg	0002653-04		1	0.93	93.0%	
Iron-mg/kg	0002670-04		1	1.02	102.0%	
Lead-mg/kg	0002669-04		1	1.03	103.0%	
Manganese-mg/kg	0002670-04		1	1.01	101.0%	
Mercury, Total-mg/kg	0002665-04		0.015	0.015	100.0%	
Nitrogen, Nitrate-mg/kg	0002658-04		2	1.7	85.0%	
Nitrogen, Nitrite-mg/kg	0002660-04		0.1	0.085	85.0%	
pH-pH Units	0002627-04		10	10.03	100.3%	
Selenium-mg/kg	0002669-04		1	1.05	105.0%	
Silver-mg/kg	0002669-04		0.5	0.484	96.8%	
TPH 418.1 FTIR-mg/kg	0002620-04		5288	5350	101.2%	
Zinc-mg/kg	0002670-04		1	1.01	101.0%	

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204068
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204068-01
Sample ID: MW-8 S.S. 15'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002694-02		8/3/02 19:16	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204068-02
Sample ID: MW-8 S.S. 35'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204068
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204068-02
Sample ID: MW-8 S.S. 35'

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002694-02		8/3/02 19:38	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Lab ID: 0204068-03
Sample ID: MW-8 S.S. 55'

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		8/1/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204068
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204068-03
Sample ID: MW-8 S.S. 55'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002694-02		8/3/02 20:00	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Approval: Roland K. Tuttle 8-06-02
Roland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204068
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204068-01
Sample ID: MW-8 S.S. 15'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	109,000	mg/kg	10000	100	6010B	08/02/2002	8/2/02	SM
Magnesium	1,540	mg/kg	1000	1.00	6010B	08/02/2002	8/2/02	SM
Potassium	104	mg/kg	100	5.00	6010B	08/02/2002	8/2/02	SM
Sodium	1,270	mg/kg	100	1.00	6010B	08/02/2002	8/2/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.40	mg/kg	50	0.400	3050/6010B	07/30/2002	8/5/02	SM
Barium	281	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Cadmium	0.397	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Chromium	1.81	mg/kg	50	0.100	3050/6010B	07/30/2002	8/5/02	SM
Copper	2.27	mg/kg	50	0.100	3050/6010B	07/30/2002	8/5/02	SM
Iron	2,180	mg/kg	500	1.00	3050/6010B	07/30/2002	8/5/02	SM
Lead	0.850	mg/kg	50	0.550	3050/6010B	07/30/2002	8/5/02	SM
Manganese	25.7	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Mercury, Total	<0.10	mg/kg	50	0.100	7470	07/31/2002	8/2/02	MB
Selenium	<0.20	mg/kg	50	0.200	3050/6010B	07/30/2002	8/5/02	SM
Silver	<0.10	mg/kg	50	0.100	3050/6010B	07/30/2002	8/5/02	SM
Zinc	6.06	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM

Lab ID: 0204068-02
Sample ID: MW-8 S.S. 35'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	116,000	mg/kg	10000	100	6010B	08/02/2002	8/2/02	SM
Magnesium	722	mg/kg	100	0.100	6010B	08/02/2002	8/2/02	SM
Potassium	106	mg/kg	100	5.00	6010B	08/02/2002	8/2/02	SM
Sodium	978	mg/kg	100	1.00	6010B	08/02/2002	8/2/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.40	mg/kg	50	0.40	3050/6010B	07/30/2002	8/5/02	SM
Barium	122	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Cadmium	0.450	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Chromium	2.3	mg/kg	50	0.10	3050/6010B	07/30/2002	8/5/02	SM
Copper	0.618	mg/kg	50	0.10	3050/6010B	07/30/2002	8/5/02	SM
Iron	2,550	mg/kg	500	1.0	3050/6010B	07/30/2002	8/5/02	SM
Lead	0.899	mg/kg	50	0.550	3050/6010B	07/30/2002	8/5/02	SM
Manganese	23.5	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/31/2002	8/2/02	MB

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204068
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204068-02
Sample ID: MW-8 S.S. 35'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	07/30/2002	8/5/02	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	07/30/2002	8/5/02	SM
Zinc	7.36	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM

Lab ID: 0204068-03
Sample ID: MW-8 S.S. 55'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	49,200	mg/kg	10000	100	6010B	08/02/2002	8/2/02	SM
Magnesium	193	mg/kg	100	0.100	6010B	08/02/2002	8/2/02	SM
Potassium	70.2	mg/kg	100	5.00	6010B	08/02/2002	8/2/02	SM
Sodium	722	mg/kg	100	1.00	6010B	08/02/2002	8/2/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	< 0.40	mg/kg	50	0.40	3050/6010B	07/30/2002	8/5/02	SM
Barium	21.4	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Cadmium	0.552	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Chromium	3.09	mg/kg	50	0.10	3050/6010B	07/30/2002	8/5/02	SM
Copper	0.331	mg/kg	50	0.10	3050/6010B	07/30/2002	8/5/02	SM
Iron	3,290	mg/kg	500	1.0	3050/6010B	07/30/2002	8/5/02	SM
Lead	1.6	mg/kg	50	0.550	3050/6010B	07/30/2002	8/5/02	SM
Manganese	40.7	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	07/31/2002	8/2/02	MB
Selenium	< 0.20	mg/kg	50	0.20	3050/6010B	07/30/2002	8/5/02	SM
Silver	< 0.10	mg/kg	50	0.10	3050/6010B	07/30/2002	8/5/02	SM
Zinc	5.85	mg/kg	50	0.050	3050/6010B	07/30/2002	8/5/02	SM

Approval: Raland K. Tuttle 8-06-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

Page 2 of 2

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204068
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204068-01
Sample ID: MW-8 S.S. 15'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	77.8	mg/kg	1	2.00	310.1	7/31/02	SB
Carbonate Alkalinity	22.2	mg/kg	1	0.10	310.1	7/31/02	SB
Chloride	88.6	mg/kg	1	10	9253	8/1/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/31/02	SB
SULFATE, 375.4	203	mg/kg	1	25	375.4	7/31/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	7.00	mg/kg	1	0.02	340.1	7/31/02	MB
Nitrogen, Nitrate	32	mg/kg	10	0.50	353.3	8/1/02	MB
Nitrogen, Nitrite	0.067	mg/kg	5	0.0040	354.1	8/1/02	MB
pH	8.34	pH Units	1	N/A	9045C	7/31/02	SB
TPH 418.1 FTIR	25.2	mg/kg	1	11.3	418.1	7/31/02	SB

Lab ID: 0204068-02
Sample ID: MW-8 S.S. 35'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	65	mg/kg	1	2.00	310.1	7/31/02	SB
Carbonate Alkalinity	5.0	mg/kg	1	0.10	310.1	7/31/02	SB
Chloride	88.6	mg/kg	1	10	9253	8/1/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/31/02	SB
SULFATE, 375.4	78.5	mg/kg	1	25	375.4	7/31/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	6.15	mg/kg	1	0.02	340.1	7/31/02	MB
Nitrogen, Nitrate	3.5	mg/kg	5	0.50	353.3	8/1/02	MB
Nitrogen, Nitrite	0.227	mg/kg	5	0.0040	354.1	8/1/02	MB
pH	8.41	pH Units	1	N/A	9045C	7/31/02	SB
TPH 418.1 FTIR	41.2	mg/kg	1	11.2	418.1	7/31/02	SB

Lab ID: 0204068-03
Sample ID: MW-8 S.S. 55'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	37.5	mg/kg	1	2.00	310.1	7/31/02	SB
Carbonate Alkalinity	5.0	mg/kg	1	0.10	310.1	7/31/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204068
Project: CH 2100
Project Name: Champion Technology
Location: Hobbs, NM

Lab ID: 0204068-03
Sample ID: MW-8 S.S. 55'

Anions

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	88.6	mg/kg	1	10	9253	8/1/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	7/31/02	SB
SULFATE, 375.4	58	mg/kg	1	25	375.4	7/31/02	MB

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Fluoride	4.15	mg/kg	1	0.02	340.1	7/31/02	MB
Nitrogen, Nitrate	2.0	mg/kg	5	0.50	353.3	8/1/02	MB
Nitrogen, Nitrite	0.144	mg/kg	5	0.0040	354.1	8/1/02	MB
pH	8.47	pH Units	1	N/A	9045C	7/31/02	SB
TPH 418.1 FTIR	<10.0	mg/kg	1	11.0	418.1	7/31/02	SB

Approval:

Raland K. Tuttle
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

8-06-02

Date

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

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ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0204068

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002636-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204068-03	0	909	1010	111.1%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204068-03	0	909	909	100.0%	10.5%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002636-05		1000	1020	102.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204068

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002694-02			<0.025		
Ethylbenzene-mg/kg		0002694-02			<0.025		
Toluene-mg/kg		0002694-02			<0.025		
p/m-Xylene-mg/kg		0002694-02			<0.025		
o-Xylene-mg/kg		0002694-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204082-01	0	0.1	0.093	93.%	
Ethylbenzene-mg/kg		0204082-01	0	0.1	0.099	99.%	
Toluene-mg/kg		0204082-01	0	0.1	0.097	97.%	
p/m-Xylene-mg/kg		0204082-01	0	0.2	0.204	102.%	
o-Xylene-mg/kg		0204082-01	0	0.1	0.098	98.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204082-01	0	0.1	0.096	96.%	3.2%
Ethylbenzene-mg/kg		0204082-01	0	0.1	0.102	102.%	3.%
Toluene-mg/kg		0204082-01	0	0.1	0.101	101.%	4.%
p/m-Xylene-mg/kg		0204082-01	0	0.2	0.212	106.%	3.8%
o-Xylene-mg/kg		0204082-01	0	0.1	0.103	103.%	5.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002694-05		0.1	0.095	95.%	
Ethylbenzene-mg/kg		0002694-05		0.1	0.102	102.%	
Toluene-mg/kg		0002694-05		0.1	0.100	100.%	
p/m-Xylene-mg/kg		0002694-05		0.2	0.212	106.%	
o-Xylene-mg/kg		0002694-05		0.1	0.103	103.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0204068

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002657-01			<2.00		
Carbonate Alkalinity-mg/kg		0002657-01			<0.10		
Chloride-mg/kg		0002656-01			<10		
Hydroxide Alkalinity-mg/kg		0002657-01			<0.10		
SULFATE, 375.4-mg/kg		0002659-01			<0.50		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0204067-01	65		65		0.0%
Carbonate Alkalinity-mg/kg		0204067-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/kg		0204067-01	0		<0.10		0.0%
SULFATE, 375.4-mg/kg		0204067-01	424		435		2.6%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204068-03	88.6	2760	2570	89.9%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204068-03	88.6	2760	2570	89.9%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Carbonate Alkalinity-mg/kg		0002657-04		5	4.96	99.2%	
Chloride-mg/kg		0002656-04		5000	4960	99.2%	
SULFATE, 375.4-mg/kg		0002659-04		50	49.7	99.4%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0204068

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002677-02			< 1.0		
Magnesium-mg/kg		0002677-02			< 0.10		
Potassium-mg/kg		0002677-02			< 5.0		
Sodium-mg/kg		0002677-02			< 1.0		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0204068-02	116000		121,000		4.2%
Magnesium-mg/kg		0204068-02	722		732		1.4%
Potassium-mg/kg		0204068-02	106		110		3.7%
Sodium-mg/kg		0204068-02	978		1000		2.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002677-05		2	1.86	93.0%	
Magnesium-mg/kg		0002677-05		2	2.08	104.0%	
Potassium-mg/kg		0002677-05		2	1.93	96.5%	
Sodium-mg/kg		0002677-05		2	2.06	103.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204068

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002700-01			< 0.40		
Barium-mg/kg		0002700-01			< 0.050		
Cadmium-mg/kg		0002700-01			< 0.050		
Chromium-mg/kg		0002700-01			< 0.10		
Copper-mg/kg		0002699-01			< 0.10		
Fluoride-mg/kg		0002653-01			< 0.02		
Iron-mg/kg		0002699-01			< 0.10		
Lead-mg/kg		0002700-01			< 0.55		
Manganese-mg/kg		0002699-01			< 0.050		
Mercury, Total-mg/kg		0002665-01			< 0.10		
Nitrogen, Nitrate-mg/kg		0002658-01			< 0.10		
Nitrogen, Nitrite-mg/kg		0002660-01			< 0.00080		
pH-pH Units		0002627-01			6.03		
Selenium-mg/kg		0002700-01			< 0.20		
Silver-mg/kg		0002700-01			< 0.10		
TPH 418.1 FTIR-mg/kg		0002620-01			< 10.0		
Zinc-mg/kg		0002699-01			< 0.050		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002700-02		40	37.5	93.8%	
Barium-mg/kg		0002700-02		10	10.3	103.0%	
Cadmium-mg/kg		0002700-02		10	9.52	95.2%	
Chromium-mg/kg		0002700-02		10	9.44	94.4%	
Copper-mg/kg		0002699-02		10	10	100.0%	
Iron-mg/kg		0002699-02		10	9.82	98.2%	
Lead-mg/kg		0002700-02		50	43.9	87.8%	
Manganese-mg/kg		0002699-02		10	10.3	103.0%	
Mercury, Total-mg/kg		0002665-02		0.015	0.015	100.0%	
Selenium-mg/kg		0002700-02		20	18.9	94.5%	
Silver-mg/kg		0002700-02		5	4.76	95.2%	
Zinc-mg/kg		0002699-02		10	11.1	111.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002700-03		40	37.6	94.0%	0.3%
Barium-mg/kg		0002700-03		10	10.3	103.0%	0.0%
Cadmium-mg/kg		0002700-03		10	9.57	95.7%	0.5%
Chromium-mg/kg		0002700-03		10	9.66	96.6%	2.3%
Copper-mg/kg		0002699-03		10	9.86	98.6%	1.4%
Iron-mg/kg		0002699-03		10	9.84	98.4%	0.2%
Lead-mg/kg		0002700-03		50	43.7	87.4%	0.5%

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

CONTROL DUP SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Manganese-mg/kg	0002699-03		10	10.3	103.0%	0.0%
Mercury, Total-mg/kg	0002665-03		0.015	0.015	100.0%	0.0%
Selenium-mg/kg	0002700-03		20	18.8	94.0%	0.5%
Silver-mg/kg	0002700-03		5	4.71	94.2%	1.1%
Zinc-mg/kg	0002699-03		10	11.1	111.0%	0.0%
DUPLICATE SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg	0204068-03	4.15		4.1		1.2%
Nitrogen, Nitrate-mg/kg	0204068-03	2		2.0		0.0%
Nitrogen, Nitrite-mg/kg	0204068-03	0.144		0.153		6.1%
pH-pH Units	0204068-03	8.47		8.48		0.1%
MS SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg	0204049-01	4530	2640	7250	103.0%	
MSD SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg	0204049-01	4530	2640	7250	103.0%	0.0%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg	0002700-04		1	1.08	108.0%	
Boron-mg/kg	0002700-04		1	1.04	104.0%	
Cadmium-mg/kg	0002700-04		1	1.05	105.0%	
Chromium-mg/kg	0002700-04		1	1.06	106.0%	
Copper-mg/kg	0002699-04		1	1.02	102.0%	
Fluoride-mg/kg	0002653-04		1	0.93	93.0%	
Iron-mg/kg	0002699-04		1	1.01	101.0%	
Lead-mg/kg	0002700-04		1	1.00	100.0%	
Manganese-mg/kg	0002699-04		1	0.986	98.6%	
Mercury, Total-mg/kg	0002665-04		0.015	0.015	100.0%	
Nitrogen, Nitrate-mg/kg	0002658-04		2	1.7	85.0%	
Nitrogen, Nitrite-mg/kg	0002660-04		0.1	0.085	85.0%	
pH-pH Units	0002627-04		10	10.03	100.3%	
Selenium-mg/kg	0002700-04		1	1.05	105.0%	
Silver-mg/kg	0002700-04		0.5	0.517	103.4%	
TPH 418.1 FTIR-mg/kg	0002620-04		5288	5350	101.2%	
Zinc-mg/kg	0002699-04		1	0.987	98.7%	

Environmental Lab of Texas I, Ltd.

2600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

COC: 113
CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Todd Choban
Company Name: E.T.G.I
Company Address: 4600 W. Wall
City/State/Zip: Midland, Tx 79703
Telephone No: 915-522-1139
Fax No: 915-520-4310
Sampler Signature: Manuel Campos

Project Name: Champion Technology
Project #: CH2100
Project Loc: Hobbs, N.M.
PO #: _____

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative							Matrix				Analyze For:												RUSH TAT (Pre-Schedule)	Standard TAT								
					Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TCLP:		TOTAL:												Volatiles		Semivolatiles		BTEX 8021B/	RCI	w/PC Metals	General Chemistry
																TPH: 8150	1005	1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	As	Ag	Ba	Cd	Cr			Pb	Hg	Se					
0204067	01 Area 3 N. Stockpile Excavation SS. 1	7-30-02	1100	1	X									X				X										X		X							
0204068-08	02 Area 3 N. Stockpile Excavation SS. 2	7-30-02	1105	1	X									X				X										X		X							
	01 MW-8 S.S. 15'	7-29-02	0921	2	X									X				X										X		X							
	02 MW-8 S.S. 35'		1016	2	X									X				X										X		X							
	03 MW-8 S.S. 55'		1144	3	X									X				X										X		X							

Special Instructions: 3 day T.A.T. for the first 2 samples

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 3.0°C
Laboratory Comments: _____

Relinquished by:	Date	Time	Received by:	Date	Time
<u>Manuel Campos</u>	<u>7-30-02</u>	<u>1530</u>			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			<u>Jeanne McManus</u>	<u>7-30-02</u>	<u>1530</u>

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204106-01	MW1	WATER	8/2/02 10:35	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	Zinc					
0204106-02	MW2	WATER	8/2/02 8:15	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	Anions					
	Cations					
	Fluoride					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
0204106-03	MW3	WATER	8/2/02 8:45	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	Zinc					
0204106-04	MW4	WATER	8/2/02 11:47	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	Zinc					
0204106-05	MW5	WATER	8/2/02 9:10	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	Zinc					
0204106-06	MW6	WATER	8/2/02 11:15	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	1005 TNRCC Rev 03					
	1006 TNRCC, Aliphatics					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	1006 TNRCC, Aromatics Anions Cations METALS RCRA 7 Total Copper Fluoride Iron Manganese Mercury, Total Nitrogen, Nitrate Nitrogen, Nitrite Zinc					
0204106-07	MW7	WATER	8/2/02 7:40	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No		Temp: -1.5 C		
	8260B Volatiles List 8270C - BNA Anions Cations METALS RCRA 7 Total Copper Fluoride Iron Manganese Mercury, Total Nitrogen, Nitrate Nitrogen, Nitrite pH Total Dissolved Solids (TDS) Zinc					

0204106-08	MW8	WATER	8/2/02 12:05	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No		Temp: -1.5 C		
	8260B Volatiles List 8270C - BNA					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Total Dissolved Solids (TDS)					
	Zinc					
0204106-09	MW9	WATER	8/2/02 9:42	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No		Temp: -1.5 C		
	8260B Volatiles List					
	8270C - BNA					
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	pH					
	Total Dissolved Solids (TDS)					
	Zinc					
0204106-10	South DW	WATER	8/2/02 13:05	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No		Temp: -1.5 C		
	Anions					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	Zinc					
0204106-11	Champion DW	WATER	8/2/02 13:10	8/2/02 16:35	See COC	See COC
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	Zinc					

ENVIRONMENTAL LAB OF I, LTD.

Pg 1 of 3

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ -1.5 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
Analysis Date: 08/06/02

ELT#	FIELD CODE	GRO C6-C10 mg/L	DRO >C10-C35 mg/L	TPH C6-C35 mg/L
0204106-06	MW 6	<3.00	<3.00	<3.00

% IA
% EA
BLANK

94.5
96.3
<3.00

METHODS: Modified 8015 C6-C35

Raland K Tuttle
Raland K. Tuttle

8-14-02
Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ -1.5 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
Analysis Date: 08/06/02

ELT#	FIELD CODE	ALIPHATICS					
		C6-C8 mg/L	>C8-C10 mg/L	>C10-C12 mg/L	>C12-C16 mg/L	>C16-C21 mg/L	>C21-C35 mg/L
0204106-06	MW 6	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00

METHODS: Modified 8015 C6-C35

Raland K. Tuttle
Raland K. Tuttle

8-14-02
Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ -1.5 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
Analysis Date: 08/06/02

ELT#	FIELD CODE	C6-C8 mg/L	>C8-C10 mg/L	AROMATICS				>C21-C35 mg/L
				>C10-C12 mg/L	>C12-C16 mg/L	>C16-C21 mg/L		
0204106-06	MW 6	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00	

METHODS: Modified 8015 C6-C35

Raland K. Tuttle
Raland K. Tuttle

8-14-02
Date

ENVIRONMENTAL LAB OF TEXAS

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ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab-ID: 0204106-07

Sample-ID: MW7

Date Collected	Date Received	Date Prepared	Date Analyzed	Matrix	Sample Amount	Dilution Factor	Analyst	Method	Method Blank
8/2/02 7:40	8/2/02 16:35		8/13/02 17:54	WATER	1	1	CK	8260B	0002806-02

8260B Volatiles List

Parameter	Result µg/L	RL	Parameter	Result µg/L	RL
Dichlorodifluoromethane	<1	1.00	Chlorobenzene	<1	1.00
Chloromethane	<1	1.00	1,1,1,2-Tetrachloroethane	<1	1.00
Vinyl chloride	<1	1.00	Ethyl Benzene	<1	1.00
Bromomethane	<1	1.00	m,p-Xylene	<1	1.00
Chloroethane	<1	1.00	o-Xylene	<1	1.00
Trichlorofluoromethane	<1	1.00	Styrene	<1	1.00
1,1-Dichloroethene	<1	1.00	Bromoform	<1	1.00
Acetone	<1	1.00	trans-1,4-Dichloro-2-butene	<1	1.00
Iodomethane	<1	1.00	Isopropylbenzene	<1	1.00
Carbon disulfide	<1	1.00	1,2,3-Trichloropropane	<1	1.00
Methylene chloride	<1	1.00	1,1,2,2-Tetrachloroethane	<1	1.00
MTBE	<1	1.00	Bromobenzene	<1	1.00
trans-1,2-dichloroethylene	<1	1.00	n-Propylbenzene	<1	1.00
Acrylonitrile	<1	1.00	2-Chlorotoluene	<1	1.00
1,2-Dichloroethane	<1	1.00	1,3,5-Trimethylbenzene	<1	1.00
Ethyl acetate	<1	1.00	4-Chlorotoluene	<1	1.00
cis-1,2-Dichloroethene	<1	1.00	tert-Butylbenzene	<1	1.00
2-Butanone (MEK)	<1	1.00	1,2,4-Trimethylbenzene	<1	1.00
Bromochloromethane	<1	1.00	sec-Butylbenzene	<1	1.00
Chloroform	<1	1.00	1,3-Dichlorobenzene	<1	1.00
1,1,1-Trichloroethane	<1	1.00	p-Isopropyltoluene	<1	1.00
2,2-Dichloropropane	<1	1.00	1,4-Dichlorobenzene	<1	1.00
Carbon tetrachloride	<1	1.00	n-Butylbenzene	<1	1.00
1,1-Dichloropropene	<1	1.00	1,2-Dichlorobenzene	<1	1.00
1,2-Dichloroethane	<1	1.00	1,2-Dibromo-3-chloropropane	<1	1.00
Benzene	<1	1.00	1,2,4-Trichlorobenzene	<1	1.00
Trichloroethene	<1	1.00	Hexachlorobutadiene	<1	1.00
1,2-Dichloropropane	<1	1.00	Naphthalene	<1	1.00
Dibromomethane	<1	1.00	1,2,3-Trichlorobenzene	<1	1.00
Bromodichloromethane	<1	1.00			
2-Chloroethyl vinyl ether	<1	1.00			
cis-1,3-Dichloropropene	<1	1.00			
4-Methyl-2-pentanone	<1	1.00			
Toluene	<1	1.00			
trans-1,3-Dichloropropene	<1	1.00			
1,1,2-Trichloroethane	<1	1.00			
2-Hexanone	<1	1.00			
Tetrachloroethene	<1	1.00			
1,3-Dichloropropane	<1	1.00			
Dibromochloromethane	<1	1.00			
1,2-Dibromoethane	<1	1.00			

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	106%	53	144
1,2-dichloroethane-d4	77%	57	147
Toluene-d8	99%	64	128
4-Bromofluorobenzene	94%	47	158

RL = Reporting Limit

Approval: *Raland K. Tuttle*
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director

Date

ENVIRONMENTAL LAB OF TEXAS

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ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab-ID: 0204106-08

Sample-ID: MW8

Date Collected	Date Received	Date Prepared	Date Analyzed	Matrix	Sample Amount	Dilution Factor	Analyst	Method	Method Blank
8/2/02 12:05	8/2/02 16:35		8/13/02 18:18	WATER	1	1	CK	8260B	0002806-02

8260B Volatiles List

Parameter	Result µg/L	RL	Parameter	Result µg/L	RL
Dichlorodifluoromethane	<1	1.00	Chlorobenzene	<1	1.00
Chloromethane	<1	1.00	1,1,1,2-Tetrachloroethane	<1	1.00
Vinyl chloride	<1	1.00	Ethylbenzene	<1	1.00
Bromomethane	<1	1.00	m,p-Xylene	<1	1.00
Chloroethane	<1	1.00	o-Xylene	<1	1.00
Trichlorofluoromethane	<1	1.00	Styrene	<1	1.00
1,1-Dichloroethene	<1	1.00	Bromoform	<1	1.00
Acetone	<1	1.00	trans-1,4-Dichloro-2-butene	<1	1.00
Iodomethane	<1	1.00	Isopropylbenzene	<1	1.00
Carbon disulfide	<1	1.00	1,2,3-Trichloropropane	<1	1.00
Methylene chloride	<1	1.00	1,1,2,2-Tetrachloroethane	<1	1.00
MTBE	<1	1.00	Bromobenzene	<1	1.00
trans-1,2-dichloroethylene	<1	1.00	n-Propylbenzene	<1	1.00
Acrylonitrile	<1	1.00	2-Chlorotoluene	<1	1.00
1,2-Dichloroethane	<1	1.00	1,3,5-Trimethylbenzene	<1	1.00
Vinyl acetate	<1	1.00	4-Chlorotoluene	<1	1.00
cis-1,2-Dichloroethene	<1	1.00	tert-Butylbenzene	<1	1.00
2-Butanone (MEK)	<1	1.00	1,2,4-Trimethylbenzene	<1	1.00
Bromochloromethane	<1	1.00	sec-Butylbenzene	<1	1.00
Chloroform	1.87	1.00	1,3-Dichlorobenzene	<1	1.00
1,1,1-Trichloroethane	<1	1.00	p-Isopropyltoluene	<1	1.00
2,2-Dichloropropane	<1	1.00	1,4-Dichlorobenzene	<1	1.00
Carbon tetrachloride	<1	1.00	n-Butylbenzene	<1	1.00
1,1-Dichloropropene	<1	1.00	1,2-Dichlorobenzene	<1	1.00
1,2-Dichloroethane	<1	1.00	1,2-Dibromo-3-chloropropane	<1	1.00
Benzene	<1	1.00	1,2,4-Trichlorobenzene	<1	1.00
Trichloroethene	<1	1.00	Hexachlorobutadiene	<1	1.00
1,2-Dichloropropane	<1	1.00	Naphthalene	<1	1.00
Dibromomethane	<1	1.00	1,2,3-Trichlorobenzene	<1	1.00
Bromodichloromethane	<1	1.00			
2-Chloroethyl vinyl ether	<1	1.00			
cis-1,3-Dichloropropene	<1	1.00			
4-Methyl-2-pentanone	<1	1.00			
Toluene	<1	1.00			
trans-1,3-Dichloropropene	<1	1.00			
1,1,2-Trichloroethane	<1	1.00			
2-Hexanone	<1	1.00			
Tetrachloroethene	<1	1.00			
1,3-Dichloropropane	<1	1.00			
Dibromochloromethane	<1	1.00			
1,2-Dibromoethane	<1	1.00			

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	108%	53	144
1,2-dichloroethane-d4	75%	57	147
Toluene-d8	99%	64	128
4-Bromofluorobenzene	93%	47	158

RL = Reporting Limit

Approval: *Raland K Tuttle* 8-14-02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director

ENVIRONMENTAL LAB OF TEXAS

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ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab-ID: 0204106-09

Sample-ID: MW9

Date Collected	Date Received	Date Prepared	Date Analyzed	Matrix	Sample Amount	Dilution Factor	Analyst	Method	Method Blank
8/2/02 9:42	8/2/02 16:35		8/13/02 18:42	WATER	1	1	CK	8260B	0002806-02

8260B Volatiles List

Parameter	Result µg/L	RL	Parameter	Result µg/L	RL
Dichlorodifluoromethane	<1	1.00	Chlorobenzene	<1	1.00
Chloromethane	<1	1.00	1,1,1,2-Tetrachloroethane	<1	1.00
Vinyl chloride	<1	1.00	EthylBenzene	<1	1.00
Bromomethane	<1	1.00	m,p-Xylene	<1	1.00
Chloroethane	<1	1.00	o-Xylene	<1	1.00
Trichlorofluoromethane	<1	1.00	Styrene	<1	1.00
1,1-Dichloroethene	<1	1.00	Bromoform	<1	1.00
Acetone	<1	1.00	trans-1,4-Dichloro-2-butene	<1	1.00
Iodomethane	<1	1.00	Isopropylbenzene	<1	1.00
Carbon disulfide	<1	1.00	1,2,3-Trichloropropane	<1	1.00
Methylene chloride	<1	1.00	1,1,2,2-Tetrachloroethane	<1	1.00
MTBE	<1	1.00	Bromobenzene	<1	1.00
trans-1,2-dichloroethylene	<1	1.00	n-Propylbenzene	<1	1.00
Acrylonitrile	<1	1.00	2-Chlorotoluene	<1	1.00
1,1-Dichloroethane	<1	1.00	1,3,5-Trimethylbenzene	<1	1.00
Vinyl acetate	<1	1.00	4-Chlorotoluene	<1	1.00
cis-1,2-Dichloroethene	<1	1.00	tert-Butylbenzene	<1	1.00
2-Butanone (MEK)	<1	1.00	1,2,4-Trimethylbenzene	<1	1.00
Bromochloromethane	<1	1.00	sec-Butylbenzene	<1	1.00
Chloroform	<1	1.00	1,3-Dichlorobenzene	<1	1.00
1,1,1-Trichloroethane	<1	1.00	p-Isopropyltoluene	<1	1.00
2,2-Dichloropropane	<1	1.00	1,4-Dichlorobenzene	<1	1.00
Carbon tetrachloride	<1	1.00	n-Butylbenzene	<1	1.00
1,1-Dichloropropene	<1	1.00	1,2-Dichlorobenzene	<1	1.00
1,2-Dichloroethane	<1	1.00	1,2-Dibromo-3-chloropropane	<1	1.00
Benzene	<1	1.00	1,2,4-Trichlorobenzene	<1	1.00
Trichloroethene	<1	1.00	Hexachlorobutadiene	<1	1.00
1,2-Dichloropropane	<1	1.00	Naphthalene	<1	1.00
Dibromomethane	<1	1.00	1,2,3-Trichlorobenzene	<1	1.00
Bromodichloromethane	<1	1.00			
2-Chloroethyl vinyl ether	<1	1.00			
cis-1,3-Dichloropropene	<1	1.00			
4-Methyl-2-pentanone	<1	1.00			
Toluene	<1	1.00			
trans-1,3-Dichloropropene	<1	1.00			
1,1,2-Trichloroethane	<1	1.00			
2-Hexanone	<1	1.00			
Tetrachloroethene	<1	1.00			
1,3-Dichloropropane	<1	1.00			
Dibromochloromethane	<1	1.00			
1,2-Dibromoethane	<1	1.00			

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	111%	53	144
1,2-dichloroethane-d4	77%	57	147
Toluene-d8	100%	64	128
4-Bromofluorobenzene	98%	47	158

RL = Reporting Limit

Approval:

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

Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-01
Sample ID: MW1

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	121	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	28.8	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	8.2	mg/L	10	0.50	6010B	08/14/2002	8/14/02	SM
Sodium	163	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	1.75	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	0.002	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.038	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	<0.011	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.028	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	17.6	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.165	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.093	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-02
Sample ID: MW2

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	90.3	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	23.5	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	8.42	mg/L	10	0.50	6010B	08/14/2002	8/14/02	SM
Sodium	281	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

Lab ID: 0204106-03
Sample ID: MW3

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	116	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	25.1	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	6.87	mg/L	10	0.50	6010B	08/14/2002	8/14/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-03
Sample ID: MW3

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Sodium	218	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	0.092	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.014	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	<0.011	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.005	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	1.56	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.064	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.028	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-04
Sample ID: MW4

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	99.2	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	22	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	7.48	mg/L	10	0.50	6010B	08/14/2002	8/14/02	SM
Sodium	239	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	0.140	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.305	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	<0.011	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
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P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-04
Sample ID: MW4

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.003	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	0.777	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.015	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.015	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-05
Sample ID: MW5

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	80.7	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	21.8	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	9.29	mg/L	10	0.50	6010B	08/14/2002	8/14/02	SM
Sodium	240	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	0.179	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.014	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	<0.011	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.006	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	2.91	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.056	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.069	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-06
Sample ID: MW6

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	144	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	28.1	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
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Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-06

Sample ID: MW6

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Potassium	8.92	mg/L	10	0.50	6010B	08/14/2002	8/14/02	SM
Sodium	251	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	4.78	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	0.003	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.197	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	0.023	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.036	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	47.6	mg/L	10	0.020	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.426	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.626	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-07

Sample ID: MW7

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	90.4	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	18.5	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	8.84	mg/L	1	0.050	6010B	08/14/2002	8/14/02	SM
Sodium	139	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	0.068	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	<0.011	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-07
Sample ID: MW7

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.006	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	2.00	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.027	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.026	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-08
Sample ID: MW8

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	110	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	28.3	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	6.71	mg/L	10	0.50	6010B	08/14/2002	8/14/02	SM
Sodium	165	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	0.225	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.010	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	<0.011	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.006	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	5.84	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.082	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.306	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-09
Sample ID: MW9

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	158	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	34	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-09

Sample ID: MW9

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Potassium	8.47	mg/L	10	0.50	6010B	08/14/2002	8/14/02	SM
Sodium	120	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	0.402	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	0.002	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.023	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	<0.011	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.016	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	14.7	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.178	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.085	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-10

Sample ID: South DW

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	152	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	29.9	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	7.72	mg/L	1	0.050	6010B	08/14/2002	8/14/02	SM
Sodium	166	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	0.066	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.004	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	<0.011	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
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P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-10
Sample ID: South DW

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.002	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	0.230	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.006	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.048	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Lab ID: 0204106-11
Sample ID: Champion DW

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	137	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM
Magnesium	27.4	mg/L	10	0.010	6010B	08/14/2002	8/14/02	SM
Potassium	6.76	mg/L	1	0.050	6010B	08/14/2002	8/14/02	SM
Sodium	130	mg/L	100	1.0	6010B	08/14/2002	8/14/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	3005/6010B		8/9/02	SM
Barium	0.077	mg/L	1	0.001	3005/6010B		8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	3005/6010B		8/9/02	SM
Chromium	0.003	mg/L	1	0.002	3005/6010B		8/9/02	SM
Lead	0.012	mg/L	1	0.011	3005/6010B		8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	3005/6010B		8/9/02	SM
Silver	<0.002	mg/L	1	0.002	3005/6010B		8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	0.004	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Iron	0.034	mg/L	1	0.002	3005/6010B	08/06/2002	8/9/02	SM
Manganese	0.005	mg/L	1	.001	3005/6010B	08/06/2002	8/9/02	SM
Mercury, Total	<0.002	mg/L	1	0.002	7470	08/06/2002	8/7/02	MB
Zinc	0.056	mg/L	1	0.001	3005/6010B	08/06/2002	8/9/02	SM

Approval:

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

N/A = Not Applicable

RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8260B Volatiles List

Order#: G0204106

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Dichlorodifluoromethane-µg/L		0002806-02			<1		
Chloromethane-µg/L		0002806-02			<1		
Vinyl chloride-µg/L		0002806-02			<1		
Bromomethane-µg/L		0002806-02			<1		
Chloroethane-µg/L		0002806-02			<1		
Trichlorofluoromethane-µg/L		0002806-02			<1		
1,1-Dichloroethene-µg/L		0002806-02			<1		
Acetone-µg/L		0002806-02			<1		
Iodomethane-µg/L		0002806-02			<1		
Carbon disulfide-µg/L		0002806-02			<1		
Methylene chloride-µg/L		0002806-02			<1		
MTBE-µg/L		0002806-02			<1		
trans-1,2-dichloroethylene-µg/L		0002806-02			<1		
Acrylonitrile-µg/L		0002806-02			<1		
1,1-Dichloroethane-µg/L		0002806-02			<1		
Vinyl acetate-µg/L		0002806-02			<1		
cis-1,2-Dichloroethene-µg/L		0002806-02			<1		
2-Butanone (MEK)-µg/L		0002806-02			<1		
1,1-Dichloromethane-µg/L		0002806-02			<1		
Chloroform-µg/L		0002806-02			<1		
1,1,1-Trichloroethane-µg/L		0002806-02			<1		
2,2-Dichloropropane-µg/L		0002806-02			<1		
Carbon tetrachloride-µg/L		0002806-02			<1		
1,1-Dichloropropene-µg/L		0002806-02			<1		
1,2-Dichloroethane-µg/L		0002806-02			<1		
Benzene-µg/L		0002806-02			<1		
Trichloroethene-µg/L		0002806-02			<1		
1,2-Dichloropropane-µg/L		0002806-02			<1		
Dibromomethane-µg/L		0002806-02			<1		
Bromodichloromethane-µg/L		0002806-02			<1		
2-Chloroethyl vinyl ether-µg/L		0002806-02			<1		
cis-1,3-Dichloropropene-µg/L		0002806-02			<1		
4-Methyl-2-pentanone-µg/L		0002806-02			<1		
Toluene-µg/L		0002806-02			<1		
trans-1,3-Dichloropropene-µg/L		0002806-02			<1		
1,1,2-Trichloroethane-µg/L		0002806-02			<1		
2-Hexanone-µg/L		0002806-02			<1		
Tetrachloroethene-µg/L		0002806-02			<1		
1,3-Dichloropropane-µg/L		0002806-02			<1		
1,1-Dichloromethane-µg/L		0002806-02			<1		

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

INK WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
1,2-Dibromoethane-µg/L	0002806-02			<1		
Chlorobenzene-µg/L	0002806-02			<1		
1,1,1,2-Tetrachloroethane-µg/L	0002806-02			<1		
EthylBenzene-µg/L	0002806-02			<1		
m,p-Xylene-µg/L	0002806-02			<1		
o-Xylene-µg/L	0002806-02			<1		
Styrene-µg/L	0002806-02			<1		
Bromoform-µg/L	0002806-02			<1		
trans-1,4-Dichloro-2-butene-µg/L	0002806-02			<1		
Isopropylbenzene-µg/L	0002806-02			<1		
1,2,3-Trichloropropane-µg/L	0002806-02			<1		
1,1,2,2-Tetrachloroethane-µg/L	0002806-02			<1		
Bromobenzene-µg/L	0002806-02			<1		
n-Propylbenzene-µg/L	0002806-02			<1		
2-Chlorotoluene-µg/L	0002806-02			<1		
1,3,5-Trimethylbenzene-µg/L	0002806-02			<1		
4-Chlorotoluene-µg/L	0002806-02			<1		
tert-Butylbenzene-µg/L	0002806-02			<1		
1,2,4-Trimethylbenzene-µg/L	0002806-02			<1		
sec-Butylbenzene-µg/L	0002806-02			<1		
1,2-Dichlorobenzene-µg/L	0002806-02			<1		
p-Isopropyltoluene-µg/L	0002806-02			<1		
1,4-Dichlorobenzene-µg/L	0002806-02			<1		
n-Butylbenzene-µg/L	0002806-02			<1		
1,2-Dichlorobenzene-µg/L	0002806-02			<1		
1,2-Dibromo-3-chloropropane-µg/L	0002806-02			<1		
1,2,4-Trichlorobenzene-µg/L	0002806-02			<1		
Hexachlorobutadiene-µg/L	0002806-02			<1		
Naphthalene-µg/L	0002806-02			<1		
1,2,3-Trichlorobenzene-µg/L	0002806-02			<1		
CONTROL WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Vinyl chloride-µg/L	0002806-03		50	39.1	78.2%	
1,1-Dichloroethene-µg/L	0002806-03		50	47.1	94.2%	
2-Butanone (MEK)-µg/L	0002806-03		100	80	80.0%	
Chloroform-µg/L	0002806-03		50	53.4	106.8%	
Carbon tetrachloride-µg/L	0002806-03		50	49.8	99.6%	
1,2-Dichloroethane-µg/L	0002806-03		50	44.8	89.6%	
Benzene-µg/L	0002806-03		50	52.9	105.8%	
Trichloroethene-µg/L	0002806-03		50	33.8	67.6%	
Tetrachloroethene-µg/L	0002806-03		50	31.7	63.4%	
1,2-Dichlorobenzene-µg/L	0002806-03		50	49.7	99.4%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

CONTROL WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
1,4-Dichlorobenzene-µg/L	0002806-03		50	44.9	89.8%	
CONTROL DUP WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Vinyl chloride-µg/L	0002806-04		50	47.1	94.2%	18.6%
1,1-Dichloroethene-µg/L	0002806-04		50	49.4	98.8%	4.8%
2-Butanone (MEK)-µg/L	0002806-04		100	86.6	86.6%	7.9%
Chloroform-µg/L	0002806-04		50	56.3	112.6%	5.3%
Carbon tetrachloride-µg/L	0002806-04		50	59.7	119.4%	18.1%
1,2-Dichloroethane-µg/L	0002806-04		50	45.1	90.2%	0.7%
Benzene-µg/L	0002806-04		50	55.4	110.8%	4.6%
Trichloroethene-µg/L	0002806-04		50	39.5	79.9%	15.6%
Tetrachloroethene-µg/L	0002806-04		50	38.9	77.8%	20.4%
Chlorobenzene-µg/L	0002806-04		50	53.3	106.6%	7.9%
1,4-Dichlorobenzene-µg/L	0002806-04		50	44.2	88.4%	1.6%
SRM WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Vinyl chloride-µg/L	0002806-05		50	44.4	88.8%	
1,1-Dichloroethene-µg/L	0002806-05		50	49.7	99.4%	
Chloroform-µg/L	0002806-05		50	51.2	102.4%	
1,2-Dichloropropane-µg/L	0002806-05		50	48.3	96.6%	
Chlorobenzene-µg/L	0002806-05		50	49.6	99.2%	
1,4-Dichlorobenzene-µg/L	0002806-05		50	45.4	90.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0204106

BLANK							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0002810-02			< 0.010		
Magnesium-mg/L		0002810-02			<0.001		
Potassium-mg/L		0002810-02			<0.05		
Sodium-mg/L		0002810-02			<0.01		
DUPLICATE							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0204137-02	35.6		34.7		2.6%
Magnesium-mg/L		0204137-02	10.5		10.2		2.9%
Potassium-mg/L		0204137-02	3.02		3.1		2.6%
Sodium-mg/L		0204137-02	47.9		48.3		0.8%
SRM							
	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L		0002810-05		2	2.06	103.%	
Magnesium-mg/L		0002810-05		2	2.18	109.%	
Potassium-mg/L		0002810-05		2	1.77	88.5%	
Sodium-mg/L		0002810-05		2	1.79	89.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

METALS RCRA 7 Total

Order#: G0204106

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Arsenic-mg/L		0002754-01			<0.008		
Barium-mg/L		0002754-01			<0.001		
Cadmium-mg/L		0002754-01			<0.001		
Chromium-mg/L		0002754-01			<0.002		
Lead-mg/L		0002754-01			<0.011		
Selenium-mg/L		0002754-01			<0.004		
Silver-mg/L		0002754-01			<0.002		
CONTROL		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Arsenic-mg/L		0002754-02		0.8	0.750	93.8%	
Barium-mg/L		0002754-02		0.2	0.223	111.5%	
Cadmium-mg/L		0002754-02		0.2	0.209	104.5%	
Chromium-mg/L		0002754-02		0.2	0.211	105.5%	
Lead-mg/L		0002754-02		1	1.05	105.5%	
Selenium-mg/L		0002754-02		0.4	0.401	100.2%	
Silver-mg/L		0002754-02		0.2	0.207	103.5%	
CONTROL DUP		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Arsenic-mg/L		0002754-03		0.8	0.781	97.6%	4.4%
Barium-mg/L		0002754-03		0.2	0.222	111.1%	0.4%
Cadmium-mg/L		0002754-03		0.2	0.214	107.0%	2.4%
Chromium-mg/L		0002754-03		0.2	0.208	104.0%	1.4%
Lead-mg/L		0002754-03		1	1.07	107.0%	1.9%
Selenium-mg/L		0002754-03		0.4	0.412	103.0%	2.7%
Silver-mg/L		0002754-03		0.2	0.203	101.5%	2.0%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Arsenic-mg/L		0002754-04		1	1.01	101.0%	
Barium-mg/L		0002754-04		1	1.07	107.0%	
Cadmium-mg/L		0002754-04		1	1.03	103.0%	
Chromium-mg/L		0002754-04		1	0.988	98.8%	
Lead-mg/L		0002754-04		1	1.08	108.0%	
Selenium-mg/L		0002754-04		1	1.05	105.0%	
Silver-mg/L		0002754-04		0.5	0.496	99.2%	

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ -1.5 deg. C
Project Name: Champion Technologies
Project #: CH 2100
Project Location: Hobbs, NM
ELT#: 0204106-07

Sampling Date: 08/02/02
Receiving Date: 08/02/02
Extracted: 08/06/02
Analysis Date: 08/08/02
Field Code: MW 7

EPA 8270 COMPOUNDS	Reporting Limit	MW 7 Concentration mg/L	CCC %DEV	RPD	% EA
N-Nitrosodimethylamine	0.005	ND			
Aniline	0.005	ND			
Phenol	0.005	ND	-29.9	11	20
Bis (2-chloroethyl)ether	0.005	ND			
2-Chlorophenol	0.005	ND		12	50
1,3-Dichlorobenzene	0.005	ND			
1,4-Dichlorobenzene	0.005	ND	-11.1	13	52
1,2-Dichlorobenzene	0.005	ND			
Benzyl Alcohol	0.005	ND			
Bis (2-chloroisopropyl) ether	0.005	ND			
2-Methylphenol	0.005	ND			
n-Nitroso-di-n-propylamine	0.005	ND		8	76
4-Methylphenol	0.005	ND			
Hexachloroethane	0.005	ND			
Nitrobenzene	0.005	ND			
Isophorone	0.005	ND			
2-Nitrophenol	0.005	ND	-7.4		
2,4-Dimethylphenol	0.005	ND			
Bis (2-chloroethoxy) methan	0.005	ND			
2,4-Dichlorophenol	0.005	ND	0.0		
Benzoic acid	0.005	ND			
1,2,4-Trichlorobenzene	0.005	ND		14	55
Naphthalene	0.005	ND			
4-Chloroaniline	0.005	ND			
Hexachlorobutadiene	0.005	ND	7.0		
4-Chloro-3-methylphenol	0.005	ND	-7.4	10	55
2-Methylnaphthalene	0.005	ND			
Hexachlorocyclopentadiene	0.005	ND			
2,4,6-Trichlorophenol	0.005	ND	10.4		
2,4,5-Trichlorophenol	0.005	ND			
2-Chloronaphthalene	0.005	ND			
2-Nitroaniline	0.005	ND			
Dimethylphthalate	0.005	ND			
2,6-Dinitrotoluene	0.005	ND			

EPA 8270 COMPOUNDS	Reporting Limits	Concentration mg/L	CCC %DEV	RPD	%EA	
Acenaphthylene	0.005	ND				
3-Nitroaniline	0.005	ND				
Acenaphthene	0.005	ND	-9.2	10	65	
2,4-Dinitrophenol	0.005	ND				
4-Nitrophenol	0.005	ND		20	12	
Dibenzofuran	0.005	ND				
2,4-Dinitrotoluene	0.005	ND		3	50	
Diethylphthalate	0.005	ND				
Fluorene	0.005	ND				
4-Chlorophenyl phenyl ether	0.005	ND				
4-Nitroaniline	0.005	ND				
Azobenzene	0.005	ND				
4,6-Dinitro-2-methylphenol	0.005	ND				
n-Nitrosodiphenylamine	0.005	ND	-17.7			
4-Bromophenyl phenyl ether	0.005	ND				
Hexachlorobenzene	0.005	ND				
Pentachlorophenol	0.005	ND	31.7#	3	55	
Phenanthrene	0.005	ND				
Anthracene	0.005	ND				
Carbazole	0.005	ND				
Di-n-butylphthalate	0.005	ND				
Fluoranthene	0.005	ND	-4.1			
Benzidine	0.005	ND				
Pyrene	0.005	ND		6	97	
Butylbenzylphthalate	0.005	ND				
Benzo {a} anthracene	0.005	ND				
3,3'-Dichlorobenzidine	0.005	ND				
Chrysene	0.005	ND				
Bis (2-ethylhexyl) phthalate	0.005	0.025				
Di-n-octylphthalate	0.005	ND	23.6			
Benzo {b} fluoranthene	0.005	ND				
Benzo {k} fluoranthene	0.005	ND				
Benzo {a} pyrene	0.005	ND	-5.0			
Indeno (1,2,3-c,d) pyrene	0.005	ND				
Dibenzo {a,h} anthracene	0.005	ND				
Benzo {g,h,i} perylene	0.005	ND				

SURROGATES

% RECOVERY

2-Fluorophenol SURR	24.8
Phenol-d5 SURR	15.3
Nitrobenzene-d5 SURR	83.3
2-Fluorobiphenyl SURR	75.3
2,4,6-Tribromophenol SURR	51.3
P-Terphenyl-d14 SURR	105

Method: SW 846-8270C, 3510
 ND = not detected at report limit

Raland K. Tuttle
 Celey D. Keene
 Raland K. Tuttle

8-14-02
 Date

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ -1.5 deg. C
Project Name: Champion Technologies
Project #: CH 2100
Project Location: Hobbs, NM
ELT#: 0204106-08

Sampling Date: 08/02/02
Receiving Date: 08/02/02
Extracted: 08/06/02
Analysis Date: 08/08/02
Field Code: MW 8

EPA 8270 COMPOUNDS	Reporting Limit	MW 8 Concentration mg/L	CCC %DEV	RPD	% EA
N-Nitrosodimethylamine	0.005	ND			
Aniline	0.005	ND			
Phenol	0.005	ND	-29.9	11	20
Bis (2-chloroethyl)ether	0.005	ND			
2-Chlorophenol	0.005	ND		12	50
1,3-Dichlorobenzene	0.005	ND			
1,4-Dichlorobenzene	0.005	ND	-11.1	13	52
1,2-Dichlorobenzene	0.005	ND			
Benzyl Alcohol	0.005	ND			
Bis (2-chloroisopropyl) ether	0.005	ND			
2-Methylphenol	0.005	ND			
n-Nitroso-di-n-propylamine	0.005	ND		8	76
4-Methylphenol	0.005	ND			
Hexachloroethane	0.005	ND			
Nitrobenzene	0.005	ND			
Isophorone	0.005	ND			
2-Nitrophenol	0.005	ND	-7.4		
2,4-Dimethylphenol	0.005	ND			
Bis (2-chloroethoxy) methan	0.005	ND			
2,4-Dichlorophenol	0.005	ND	0.0		
Benzoic acid	0.005	ND			
1,2,4-Trichlorobenzene	0.005	ND		14	55
Naphthalene	0.005	ND			
4-Chloroaniline	0.005	ND			
Hexachlorobutadiene	0.005	ND	7.0		
4-Chloro-3-methylphenol	0.005	ND	-7.4	10	55
2-Methylnaphthalene	0.005	ND			
Hexachlorocyclopentadiene	0.005	ND			
2,4,6-Trichlorophenol	0.005	ND	10.4		
2,4,5-Trichlorophenol	0.005	ND			
2-Chloronaphthalene	0.005	ND			
2-Nitroaniline	0.005	ND			
Dimethylphthalate	0.005	ND			
2,6-Dinitrotoluene	0.005	ND			

EPA 8270 COMPOUNDS	Reporting Limits	Concentration mg/L	CCC %DEV	RPD	%EA	
Acenaphthylene	0.005	ND				
3-Nitroaniline	0.005	ND				
Acenaphthene	0.005	ND	-9.2	10	65	
2,4-Dinitrophenol	0.005	ND				
4-Nitrophenol	0.005	ND		20	12	
Dibenzofuran	0.005	ND				
2,4-Dinitrotoluene	0.005	ND		3	50	
Diethylphthalate	0.005	ND				
Fluorene	0.005	ND				
4-Chlorophenyl phenyl ether	0.005	ND				
4-Nitroaniline	0.005	ND				
Azobenzene	0.005	ND				
4,6-Dinitro-2-methylphenol	0.005	ND				
n-Nitrosodiphenylamine	0.005	ND	-17.7			
4-Bromophenyl phenyl ether	0.005	ND				
Hexachlorobenzene	0.005	ND				
Pentachlorophenol	0.005	ND	31.7#	3	55	
Phenanthrene	0.005	ND				
Anthracene	0.005	ND				
Carbazole	0.005	ND				
Di-n-butylphthalate	0.005	ND				
Fluoranthene	0.005	ND	-4.1			
Benzidine	0.005	ND				
Pyrene	0.005	ND		6	97	
Butylbenzylphthalate	0.005	ND				
Benzo {a} anthracene	0.005	ND				
3,3'-Dichlorobenzidine	0.005	ND				
Chrysene	0.005	ND				
Bis (2-ethylhexyl) phthalate	0.005	0.005				
Di-n-octylphthalate	0.005	ND	23.6			
Benzo {b} fluoranthene	0.005	ND				
Benzo {k} fluoranthene	0.005	ND				
Benzo {a} pyrene	0.005	ND	-5.0			
Indeno (1,2,3-c,d) pyrene	0.005	ND				
Dibenzo {a,h} anthracene	0.005	ND				
Benzo {g,h,i} perylene	0.005	ND				

SURROGATES

% RECOVERY

2-Fluorophenol SURR	21.6
Phenol-d5 SURR	14.2
Nitrobenzene-d5 SURR	72.3
2-Fluorobiphenyl SURR	70.1
2,4,6-Tribromophenol SURR	45.5
P-Terphenyl-d14 SURR	88.8

Method: SW 846-8270C, 3510
 ND = not detected at report limit

Raland K. Tuttle
 Celey D. Keene
 Raland K. Tuttle

8-14-02
 Date

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Water
Sample Condition: Intact/ Iced/ -1.5 deg. C
Project Name: Champion Technologies
Project #: CH 2100
Project Location: Hobbs, NM
ELT#: 0204106-09

Sampling Date: 08/02/02
Receiving Date: 08/02/02
Extracted: 08/06/02
Analysis Date: 08/08/02
Field Code: MW 9

EPA 8270 COMPOUNDS	Reporting Limit	MW 9 Concentration mg/L	CCC %DEV	RPD	% EA
N-Nitrosodimethylamine	0.005	ND			
Aniline	0.005	ND			
Phenol	0.005	ND	-29.9	11	20
Bis (2-chloroethyl)ether	0.005	ND			
2-Chlorophenol	0.005	ND		12	50
1,3-Dichlorobenzene	0.005	ND			
1,4-Dichlorobenzene	0.005	ND	-11.1	13	52
1,2-Dichlorobenzene	0.005	ND			
Benzyl Alcohol	0.005	ND			
Bis (2-chloroisopropyl) ether	0.005	ND			
2-Methylphenol	0.005	ND			
n-Nitroso-di-n-propylamine	0.005	ND		8	76
4-Methylphenol	0.005	ND			
Hexachloroethane	0.005	ND			
Nitrobenzene	0.005	ND			
Isophorone	0.005	ND			
2-Nitrophenol	0.005	ND	-7.4		
2,4-Dimethylphenol	0.005	ND			
Bis (2-chloroethoxy) methan	0.005	ND			
2,4-Dichlorophenol	0.005	ND	0.0		
Benzoic acid	0.005	ND			
1,2,4-Trichlorobenzene	0.005	ND		14	55
Naphthalene	0.005	ND			
4-Chloroaniline	0.005	ND			
Hexachlorobutadiene	0.005	ND	7.0		
4-Chloro-3-methylphenol	0.005	ND	-7.4	10	55
2-Methylnaphthalene	0.005	ND			
Hexachlorocyclopentadiene	0.005	ND			
2,4,6-Trichlorophenol	0.005	ND	10.4		
2,4,5-Trichlorophenol	0.005	ND			
2-Chloronaphthalene	0.005	ND			
2-Nitroaniline	0.005	ND			
Dimethylphthalate	0.005	ND			
2,6-Dinitrotoluene	0.005	ND			

EPA 8270 COMPOUNDS	Reporting Limits	Concentration mg/L	CCC %DEV	RPD	%EA	
Acenaphthylene	0.005	ND				
3-Nitroaniline	0.005	ND				
Acenaphthene	0.005	ND	-9.2	10	65	
2,4-Dinitrophenol	0.005	ND				
4-Nitrophenol	0.005	ND		20	12	
Dibenzofuran	0.005	ND				
2,4-Dinitrotoluene	0.005	ND		3	50	
Diethylphthalate	0.005	ND				
Fluorene	0.005	ND				
4-Chlorophenyl phenyl ether	0.005	ND				
4-Nitroaniline	0.005	ND				
Azobenzene	0.005	ND				
4,6-Dinitro-2-methylphenol	0.005	ND				
n-Nitrosodiphenylamine	0.005	ND	-17.7			
4-Bromophenyl phenyl ether	0.005	ND				
Hexachlorobenzene	0.005	ND				
Pentachlorophenol	0.005	ND	31.7#	3	55	
Phenanthrene	0.005	ND				
Anthracene	0.005	ND				
Carbazole	0.005	ND				
Di-n-butylphthalate	0.005	ND				
Fluoranthene	0.005	ND	-4.1			
Benzidine	0.005	ND				
Pyrene	0.005	ND		6	97	
Butylbenzylphthalate	0.005	ND				
Benzo {a} anthracene	0.005	ND				
3,3'-Dichlorobenzidine	0.005	ND				
Chrysene	0.005	ND				
Bis (2-ethylhexyl) phthalate	0.005	0.031				
Di-n-octylphthalate	0.005	ND	23.6			
Benzo {b} fluoranthene	0.005	ND				
Benzo {k} fluoranthene	0.005	ND				
Benzo {a} pyrene	0.005	ND	-5.0			
Indeno (1,2,3-c,d) pyrene	0.005	ND				
Dibenzo {a,h} anthracene	0.005	ND				
Benzo {g,h,i} perylene	0.005	ND				

SURROGATES

% RECOVERY

2-Fluorophenol SURR	22.9
Phenol-d5 SURR	14.2
Nitrobenzene-d5 SURR	62.2
2-Fluorobiphenyl SURR	57.4
2,4,6-Tribromophenol SURR	39.4
P-Terphenyl-d14 SURR	84.0

Method: SW 846-8270C, 3510
 ND = not detected at report limit

Raland K Tuttle
 Celey D. Keene
 Raland K. Tuttle

8-14-02
 Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-01
Sample ID: MW1

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	281	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	408	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	298	mg/L	25	12.5	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	3.70	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	1.40	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB

Lab ID: 0204106-02
Sample ID: MW2

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	281	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	372	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	271	mg/L	8.3	4.15	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	3.74	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	1.70	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB

Lab ID: 0204106-03
Sample ID: MW3

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	233	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	381	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	266	mg/L	8.3	4.15	375.4	8/12/02	MB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-03
Sample ID: MW3

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.38	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	0.70	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB

Lab ID: 0204106-04
Sample ID: MW4

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	226	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	354	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	256	mg/L	8.3	4.15	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.42	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	1.20	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB

Lab ID: 0204106-05
Sample ID: MW5

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	254	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	346	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	233	mg/L	8.3	4.15	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	3.08	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	<0.50	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-06
Sample ID: MW6

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	320	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	443	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	270	mg/L	8.3	4.15	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.52	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	0.90	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB

Lab ID: 0204106-07
Sample ID: MW7

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	204	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	239	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	248	mg/L	8.3	4.15	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	1.94	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	1.40	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB
pH	7.12	pH Units	1	N/A	150.1	8/3/02	SB
Total Dissolved Solids (TDS)	889	mg/L	1	5.0	160.1	8/5/02	SB

Lab ID: 0204106-08
Sample ID: MW8

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	254	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	257	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-08
Sample ID: MW8

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
SULFATE, 375.4	274	mg/L	8.3	4.15	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.46	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	1.80	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB
pH	7.22	pH Units	1	N/A	150.1	8/3/02	SB
Total Dissolved Solids (TDS)	1150	mg/L	1	5.0	160.1	8/5/02	SB

Lab ID: 0204106-09
Sample ID: MW9

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	234	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	346	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	216	mg/L	8.3	4.15	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.00	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	6.80	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB
pH	7.12	pH Units	1	N/A	150.1	8/3/02	SB
Total Dissolved Solids (TDS)	1360	mg/L	1	5.0	160.1	8/5/02	SB

Lab ID: 0204106-10
Sample ID: South DW

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	169	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	372	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	280	mg/L	8.3	4.15	375.4	8/12/02	MB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204106
Project: CH 2100
Project Name: Champion Technologies
Location: Hobbs, NM

Lab ID: 0204106-10
Sample ID: South DW

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	2.24	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	1.50	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB

Lab ID: 0204106-11
Sample ID: Champion DW

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	186	mg/L	1	2.00	310.1	8/3/02	SB
Carbonate Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
Chloride	319	mg/L	1	5.00	9253	8/3/02	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	8/3/02	SB
SULFATE, 375.4	197	mg/L	8.3	4.15	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	1.58	mg/L	2	0.040	340.1	8/13/02	MB
Nitrogen, Nitrate	1.60	mg/L	1	0.5	353.3	8/3/02	SB
Nitrogen, Nitrite	<0.001	mg/L	1	0.0010	354.1	8/3/02	SB

Approval:

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0204106

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0002706-01			<2.00		
Carbonate Alkalinity-mg/L		0002708-01			<0.10		
Chloride-mg/L		0002715-01			<5.00		
Hydroxide Alkalinity-mg/L		0002710-01			<0.10		
SULFATE, 375.4-mg/L		0002773-01			<0.5		
SULFATE, 375.4-mg/L		0002775-01			< 0.50		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0204106-01	281		280		0.4%
Carbonate Alkalinity-mg/L		0204106-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/L		0204106-01	0		<0.10		100.0%
SULFATE, 375.4-mg/L		0204072-01	150		147		2.0%
SULFATE, 375.4-mg/L		0204106-03	266		264		0.8%
MS		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0204091-01	93	250	337	97.6%	
MSD		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Chloride-mg/L		0204091-01	93	250	337	97.6%	0.0%
M		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Bicarbonate Alkalinity-mg/L		0002706-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L		0002708-04		0.05	0.0496	99.2%	
Chloride-mg/L		0002715-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/L		0002710-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L		0002773-04		50	48.3	96.6%	
SULFATE, 375.4-mg/L		0002775-04		50	48.5	97.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204106

BLANK		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Copper-mg/L		0002790-01			<0.002		
Fluoride-mg/L		0002795-01			< 0.020		
Iron-mg/L		0002790-01			<0.002		
Manganese-mg/L		0002790-01			<.001		
Mercury, Total-mg/L		0002732-01			<0.002		
Nitrogen, Nitrate-mg/L		0002719-01			1.35		
Nitrogen, Nitrite-mg/L		0002720-01			<0.001		
pH-pH Units		0002727-01			6.05		
Total Dissolved Solids (TDS)-mg/L		0002734-01			<5.00		
Zinc-mg/L		0002790-01			<0.001		
DUPLICATE		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Fluoride-mg/L		0204106-01	3.7		3.50		5.6%
Nitrogen, Nitrate-mg/L		0204106-01	1.4		1.35		3.6%
Nitrogen, Nitrite-mg/L		0204106-01	0		<0.001		100.0%
pH-pH Units		0204106-07	7.12		7.12		0.0%
Total Dissolved Solids (TDS)-mg/L		0204106-07	889		923		3.8%
MS		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Copper-mg/L		0204106-11	0.004	0.2	0.206	101.0%	
Iron-mg/L		0204106-11	0.034	0.2	0.266	116.0%	
Manganese-mg/L		0204106-11	0.005	0.2	0.234	114.5%	
Mercury, Total-mg/L		0204092-01	0	0.015	0.014	93.3%	
Zinc-mg/L		0204106-11	0.056	0.2	0.261	102.5%	
MSD		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Copper-mg/L		0204106-11	0.004	0.2	0.204	100.0%	1.9%
Iron-mg/L		0204106-11	0.034	0.2	0.261	113.5%	1.9%
Manganese-mg/L		0204106-11	0.005	0.2	0.226	110.5%	3.5%
Mercury, Total-mg/L		0204092-01	0	0.015	0.014	93.3%	0.0%
Zinc-mg/L		0204106-11	0.056	0.2	0.251	97.5%	3.9%
SRM		LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	WATER						
Copper-mg/L		0002790-04		1	1.00	100.0%	
Fluoride-mg/L		0002795-04		1	1.10	110.0%	
Iron-mg/L		0002790-04		1	1.04	104.0%	
Manganese-mg/L		0002790-04		1	1.07	107.0%	
Mercury, Total-mg/L		0002732-04		0.015	0.017	113.3%	
Nitrogen, Nitrate-mg/L		0002719-04		2	1.9	95.0%	
Nitrogen, Nitrite-mg/L		0002720-04		0.25	0.25	100.0%	
pH-pH Units		0002727-04		7	7.03	100.4%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

SEM	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Zinc-mg/L		0002790-04		1	1.10	110.0%	

Project Manager:

TODD CHOBAN

Phone #: (915) 522 1139

FAX #: (915) 520 4310

ANALYSIS REQUEST

Company Name & Address: ETGI

P.O. BOX 4845 MIDLAND TX 79704

Project #:

CH 2100

Project Name:

CHAMPION TECHNOLOGIES

Project Location:

HOBBS NM

Sampler Signature:

Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX					PRESERVATIVE METHOD					SAMPLING		DATE	TIME	BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As Ba Cd Cr Pb Hg Se	Total Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	GENERAL CHEMISTRY	WQCC METALS	PH	VOC'S	SEMI VOC'S	TPH 1005	TPH 1006	STANDARD TAT	RUSH
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	NONE	OTHER																					
01	MW 1	2	2.5	X					X	X	X			8-2	1035											X	X						X	
02	MW 2	2	.5L													0815									X	X							X	
03	MW 3	2	.5L													0845									X	X							X	
04	MW 4	2	.5L													1147									X	X							X	
05	MW 5	2	.5L													0910									X	X							X	
06	MW 6	6	.5L													1115									X	X							X	
07	MW 7	5	.5L													0740							X	X	X	X	X	X	X				X	
08	MW 8	9	.5L													1205						X	X	X	X	X	X	X	X				X	
09	MW 9	5	.5L													0942						X	X	X	X	X	X	X	X				X	
10	SOUTH DW	2	.5L													1305									X	X							X	
11	CHAMPION DW	3	.5L													1310									X	X							X	

Relinquished by:

Simon Casas

Date:

8/2/02

Times:

1320

Received by:

James McManus

REMARKS

Rec - 1.5°C *RUSH analysis on MW 8 logged under ELT #0204105-01

RUSH TPH 1005, 1006 ON MW 8 BY MANDAY

HOLD ON WQCC METALS ON MW 2 UNTIL NOTIFICATION

L- HDPE - no preservative
L- Amber glass - no preservative
500mL - HDPE w/ HNO3
40mL - glass w/ HCl

Relinquished by:

James McManus 8-2-02

Date:

Times:

14:35

Received by:

James McManus

Received by Laboratory:

Relinquished by:

Date:

Times:

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0204107-01	Area 2 Stockpile #1 N. Side	SOIL	8/2/02 10:42	8/2/02 16:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	8260B TCLP					
	8270C Semivolatile Organics - TCLP					
	METALS RCRA 7 TCLP					
	RCI					
	Mercury, TCLP					
0204107-02	Area 2 Stockpile #1 S. Side	SOIL	8/2/02 10:30	8/2/02 16:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	8260B TCLP					
	8270C Semivolatile Organics - TCLP					
	METALS RCRA 7 TCLP					
	RCI					
	Mercury, TCLP					
	TPH 418.1 FTIR					
0204107-04	S.S. 1 East Wall/ South 6'	SOIL	8/2/02 7:40	8/2/02 16:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp: -1.5 C			
	8021B/5030 BTEX					
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	TPH 418.1 FTIR					
	Zinc					

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0204107-05	S.S. 2 East Wall/ North 6'	SOIL	8/2/02 7:50	8/2/02 16:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: -1.5 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	TPH 418.1 FTIR					
	Zinc					
0204107-06	S.S. 3 North Wall 8'	SOIL	8/2/02 8:05	8/2/02 16:35	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: -1.5 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	TPH 418.1 FTIR					
	Zinc					

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ -1.5 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

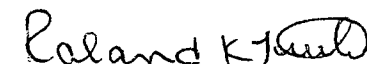
Sampling Date: 08/02/02
Receiving Date: 08/02/02
TCLP Extraction: 08/05/02
Analysis Date: 08/13/02
Field Code: Area 2 Stockpile #1 N. Side

TCLP	REPORT	ELT#		CCC	
Volatile Compounds	LIMIT	0204107-01	%EA	%IA	RPD
		mg/L			
✓Benzene	0.001	ND	105		5
✓Carbon tetrachloride	0.001	ND	99		18
✓Chlorobenzene	0.001	ND	99		7
✓Chloroform	0.001	ND	107	102	5
✓1,4-Dichlorobenzene	0.001	ND	89		2
✓1,2-Dichloroethane	0.001	ND	90		1
✓1,1-Dichloroethylene	0.001	ND	94	99	5
✓Methyl ethyl ketone	0.001	ND	79		8
✓Tetrachloroethylene	0.001	ND	63		21#
✓Trichloroethylene	0.001	ND	67		16
✓Vinyl chloride	0.001	ND	78	89	19

System Monitoring Compounds	% RECOVERY
Dibromofluoromethane	110
1,2-dichloroethane-d4	80.5
Toluene-d8	101
4-Bromofluorobenzene	97.9

ND= Not Detected at report limit

Method: EPA SW 846 8260B, 1311


Celey D. Keene
Raland K. Tuttle

8-16-02
Date

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ -1.5 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

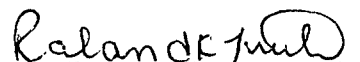
Sampling Date: 08/02/02
Receiving Date: 08/02/02
TCLP Extraction: 08/05/02
Analysis Date: 08/13/02
Field Code: Area 2 Stockpile #1 S. Side

TCLP	REPORT	ELT#		CCC	
Volatile Compounds	LIMIT	0204107-02	%EA	%IA	RPD
		mg/L			
Benzene	0.001	ND	105		5
Carbon tetrachloride	0.001	ND	99		18
Chlorobenzene	0.001	ND	99		7
Chloroform	0.001	ND	107	102	5
1,4-Dichlorobenzene	0.001	ND	89		2
1,2-Dichloroethane	0.001	ND	90		1
1,1-Dichloroethylene	0.001	ND	94	99	5
Methyl ethyl ketone	0.001	ND	79		8
Tetrachloroethylene	0.001	ND	63		21#
Trichloroethylene	0.001	ND	67		16
Vinyl chloride	0.001	ND	78	89	19

System Monitoring Compounds	% RECOVERY
Dibromofluoromethane	109
1,2-dichloroethane-d4	81.2
Toluene-d8	101
4-Bromofluorobenzene	96.4

ND= Not Detected at report limit

Method: EPA SW 846 8260B, 1311


Celey D. Keene
Raland K. Tuttle

8-16-02
Date

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ -1.5 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
TCLP Extraction: 08/05/02
Analysis Date: 08/08/02
Field Code: Area 2 Stockpile #1 N. Side

TCLP SEMIVOLATILE ORGANICS (mg/L)	REG. LIMIT	REPORT LIMIT	ELT# 0204107-01	CCC % DEV	%EA	RPD
✓2-Methylphenol	200	0.007	ND			
✓4-Methylphenol	200	0.007	ND			
✓1,4-Dichlorobenzene	7.5	0.007	ND	-11.1	52	13
✓2, 4-Dinitrotoluene	0.13	0.007	ND		50	3
✓Hexachlorobenzene	0.13	0.007	ND			
✓Hexachlor-1, 3-butadien	0.5	0.007	ND	7.0		
✓Hexachloroethane	3	0.007	ND			
✓Nitrobenzene	2	0.007	ND			
✓Pentachlorophenol	100	0.007	ND	31.7#	55	3
✓Pyridine	5	0.007	ND			
✓2,4,5-Trichlorophenol	400	0.007	ND			
✓2,4,6-Trichlorophenol	2	0.007	ND	10.4		

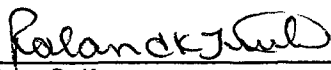
ND= NOT DETECTED, < REPORTING LIMIT
SYSTEM MONITORING COMPOUNDS

	% Recovery
2-Fluorophenol	38.6
Phenol-d5	29.5
Nitrobenzene-d5	95.2
2-Fluorobiphenyl	81.6
2,4,6-Tribromophenol	53.1
p-Terphenyl-d14	110

ND = Not detected at report limit

Out of historical ranges

Method: SW 846-8270C,1311


Celey D. Keene
Randal K. Tuttle

8-16-02
Date

ENVIRONMENTAL LAB OF I, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ -1.5 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
TCLP Extraction: 08/05/02
Analysis Date: 08/08/02
Field Code: Area 2 Stockpile #1 S. Side

TCLP SEMIVOLATILE ORGANICS (mg/L)	REG. LIMIT	REPORT LIMIT	ELT# 0204107-02	CCC % DEV	%EA	RPD
2-Methylphenol	200	0.007	ND			
4-Methylphenol	200	0.007	ND			
1,4-Dichlorobenzene	7.5	0.007	ND	-11.1	52	13
2, 4-Dinitrotoluene	0.13	0.007	ND		50	3
Hexachlorobenzene	0.13	0.007	ND			
Hexachlor-1, 3-butadien	0.5	0.007	ND	7.0		
Hexachloroethane	3	0.007	ND			
Nitrobenzene	2	0.007	ND			
Pentachlorophenol	100	0.007	ND	31.7#	55	3
Pyridine	5	0.007	ND			
2,4,5-Trichlorophenol	400	0.007	ND			
2,4,6-Trichlorophenol	2	0.007	ND	10.4		

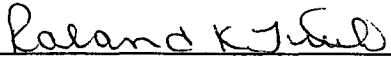
ND= NOT DETECTED, < REPORTING LIMIT
SYSTEM MONITORING COMPOUNDS

	% Recovery
2-Fluorophenol	31.3
Phenol-d5	24.9
Nitrobenzene-d5	82.8
2-Fluorobiphenyl	73.7
2,4,6-Tribromophenol	48.8
p-Terphenyl-d14	90.8

ND = Not detected at report limit

Out of historical ranges

Method: SW 846-8270C,1311


Celey D. Keene
Raland K. Tuttle

8-16-02
Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Ed Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-04
Sample ID: S.S. 1 East Wall/ South 6'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002741-02		8/7/02 13:50	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.0010
Ethylbenzene	<0.025	0.0010
Toluene	<0.025	0.0010
p/m-Xylene	<0.025	0.0010
o-Xylene	<0.025	0.0010

Lab ID: 0204107-05
Sample ID: S.S. 2 East Wall/ North 6'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002741-02		8/7/02 14:12	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.0010
Ethylbenzene	<0.025	0.0010
Toluene	<0.025	0.0010
p/m-Xylene	<0.025	0.0010
o-Xylene	<0.025	0.0010

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-06
Sample ID: S.S. 3 North Wall 8'

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002741-02		8/7/02 14:34	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.0010
Ethylbenzene	<0.025	0.0010
Toluene	<0.025	0.0010
p/m-Xylene	<0.025	0.0010
o-Xylene	<0.025	0.0010

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

Raland K. Tuttle 8-7-02

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-01
Sample ID: Area 2 Stockpile #1 N. Side

METALS RCRA 7 TCLP

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Arsenic	<0.008	mg/L	1	0.008	1311/6010B	08/08/2002	8/9/02	SM
Barium	0.333	mg/L	1	0.001	1311/6010B	08/08/2002	8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/08/2002	8/9/02	SM
Chromium	0.003	mg/L	1	0.002	1311/6010B	08/08/2002	8/9/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/08/2002	8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/08/2002	8/9/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/08/2002	8/9/02	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Mercury, TCLP	<0.002	mg/L	1	0.002	1311/7470	08/06/2002	8/7/02	MB

Lab ID: 0204107-02
Sample ID: Area 2 Stockpile #1 S. Side

METALS RCRA 7 TCLP

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Arsenic	<0.008	mg/L	1	0.008	1311/6010B	08/08/2002	8/9/02	SM
Barium	0.393	mg/L	1	0.001	1311/6010B	08/08/2002	8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/08/2002	8/9/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/08/2002	8/9/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/08/2002	8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/08/2002	8/9/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/08/2002	8/9/02	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Mercury, TCLP	<0.002	mg/L	1	0.002	1311/7470	08/06/2002	8/7/02	MB

Lab ID: 0204107-04
Sample ID: S.S. 1 East Wall/ South 6'

Cations

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Calcium	107000	mg/kg	50000	500	6010B	08/10/2002	8/13/02	SM
Magnesium	2350	mg/kg	1000	1.0	6010B	08/10/2002	8/13/02	SM
Potassium	399	mg/kg	100	5.0	6010B	08/10/2002	8/13/02	SM
Sodium	1520	mg/kg	100	1.0	6010B	08/10/2002	8/13/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-04
Sample ID: S.S. 1 East Wall/ South 6'

METALS RCRA 7 Total

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Arsenic	<0.40	mg/kg	50	0.400	3050/6010B	08/05/2002	8/7/02	SM
Barium	88.0	mg/kg	50	0.050	3050/6010B	08/05/2002	8/7/02	SM
Cadmium	0.282	mg/kg	50	0.050	3050/6010B	08/05/2002	8/7/02	SM
Chromium	4.35	mg/kg	50	0.100	3050/6010B	08/05/2002	8/7/02	SM
Lead	1.40	mg/kg	50	0.550	3050/6010B	08/05/2002	8/7/02	SM
Selenium	<0.20	mg/kg	50	0.200	3050/6010B	08/05/2002	8/7/02	SM
Silver	<0.10	mg/kg	50	0.100	3050/6010B	08/05/2002	8/7/02	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Copper	2.72	mg/kg	50	0.10	3050/6010B	08/05/2002	8/8/02	SM
Iron	4230	mg/kg	500	1.0	3050/6010B	08/05/2002	8/8/02	SM
Manganese	34.6	mg/kg	50	0.050	3050/6010B	08/05/2002	8/8/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	08/06/2002	8/7/02	MB
Zinc	11.2	mg/kg	50	0.050	3050/6010B	08/05/2002	8/8/02	SM

Lab ID: 0204107-05
Sample ID: S.S. 2 East Wall/ North 6'

Cations

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Calcium	54700	mg/kg	10000	100	6010B	08/10/2002	8/13/02	SM
Magnesium	5020	mg/kg	1000	1.0	6010B	08/10/2002	8/13/02	SM
Potassium	626	mg/kg	100	5.0	6010B	08/10/2002	8/13/02	SM
Sodium	758	mg/kg	100	1.0	6010B	08/10/2002	8/13/02	SM

METALS RCRA 7 Total

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Arsenic	<0.40	mg/kg	50	0.400	3050/6010B	08/05/2002	8/7/02	SM
Barium	105	mg/kg	50	0.050	3050/6010B	08/05/2002	8/7/02	SM
Cadmium	0.340	mg/kg	50	0.050	3050/6010B	08/05/2002	8/7/02	SM
Chromium	5.41	mg/kg	50	0.100	3050/6010B	08/05/2002	8/7/02	SM
Lead	1.36	mg/kg	50	0.550	3050/6010B	08/05/2002	8/7/02	SM
Selenium	<0.20	mg/kg	50	0.200	3050/6010B	08/05/2002	8/7/02	SM
Silver	<0.10	mg/kg	50	0.100	3050/6010B	08/05/2002	8/7/02	SM

Test Parameters

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Copper	2.59	mg/kg	50	0.10	3050/6010B	08/05/2002	8/8/02	SM
Iron	4673	mg/kg	500	1.0	3050/6010B	08/05/2002	8/8/02	SM
Manganese	36.6	mg/kg	50	0.050	3050/6010B	08/05/2002	8/8/02	SM

N/A = Not Applicable RL = Reporting Limit

Page 2 of 3



ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-05
Sample ID: S.S. 2 East Wall/ North 6'

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	08/06/2002	8/7/02	MB
Zinc	12.6	mg/kg	50	0.050	3050/6010B	08/05/2002	8/8/02	SM

Lab ID: 0204107-06
Sample ID: S.S. 3 North Wall 8'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	53900	mg/kg	10000	100	6010B	08/10/2002	8/13/02	SM
Magnesium	4980	mg/kg	1000	1.0	6010B	08/10/2002	8/13/02	SM
Potassium	530	mg/kg	100	5.0	6010B	08/10/2002	8/13/02	SM
Sodium	1590	mg/kg	100	1.0	6010B	08/10/2002	8/13/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.40	mg/kg	50	0.400	3050/6010B	08/05/2002	8/7/02	SM
Barium	93.5	mg/kg	50	0.050	3050/6010B	08/05/2002	8/7/02	SM
Cadmium	0.344	mg/kg	50	0.050	3050/6010B	08/05/2002	8/7/02	SM
Chromium	4.95	mg/kg	50	0.100	3050/6010B	08/05/2002	8/7/02	SM
Lead	0.999	mg/kg	50	0.550	3050/6010B	08/05/2002	8/7/02	SM
Selenium	<0.20	mg/kg	50	0.200	3050/6010B	08/05/2002	8/7/02	SM
Silver	<0.10	mg/kg	50	0.100	3050/6010B	08/05/2002	8/7/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	2.15	mg/kg	50	0.10	3050/6010B	08/05/2002	8/8/02	SM
Iron	4835	mg/kg	500	1.0	3050/6010B	08/05/2002	8/8/02	SM
Manganese	35.9	mg/kg	50	0.050	3050/6010B	08/05/2002	8/8/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7470	08/06/2002	8/7/02	MB
Zinc	12.4	mg/kg	50	0.050	3050/6010B	08/05/2002	8/8/02	SM

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-01
Sample ID: Area 2 Stockpile #1 N. Side

<i>RCI</i>							
Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Ignitability	>100	C	1	NA	1010	8/5/02	SB
pH	7.61	pH Units	1	N/A	9045C	8/3/02	SB
Reactive Cyanide	<0.09	mg/kg	1	0.09	SW846 CH.7	8/3/02	SB
Reactive Sulfide	<5.00	mg/kg	1	5.00	SW846 CH.7	8/3/02	SB

Lab ID: 0204107-02
Sample ID: Area 2 Stockpile #1 S. Side

<i>RCI</i>							
Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Ignitability	>100	C	1	NA	1010	8/5/02	SB
pH	7.74	pH Units	1	N/A	9045C	8/3/02	SB
Reactive Cyanide	<0.09	mg/kg	1	0.09	SW846 CH.7	8/3/02	SB
Reactive Sulfide	<5.00	mg/kg	1	5.00	SW846 CH.7	8/3/02	SB

<i>Test Parameters</i>							
Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
TPH 418.1 FTIR	11400	mg/kg	1	10.0	418.1	8/5/02	SB

Lab ID: 0204107-04
Sample ID: S.S. 1 East Wall/ South 6'

<i>Anions</i>							
Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	105	mg/kg	1	2.00	310.1	8/6/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/6/02	SB
Chloride	702	mg/kg	5	50.0	9253	8/13/02	CK
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/6/02	SB
SULFATE, 375.4	224	mg/kg	5	2.5	375.4	8/12/02	MB

<i>Test Parameters</i>							
Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	3.40	mg/kg	5	0.10	340.1	8/13/02	MB
Nitrogen, Nitrate	18.0	mg/kg	1	0.5	353.3	8/6/02	SB
Nitrogen, Nitrite	1.50	mg/kg	1	0.100	354.1	8/6/02	SB
TPH 418.1 FTIR	27.6	mg/kg	1	10.0	418.1	8/5/02	SB

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-05
Sample ID: S.S. 2 East Wall/ North 6'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	85	mg/kg	1	2.00	310.1	8/6/02	SB
Carbonate Alkalinity	10.0	mg/kg	1	0.10	310.1	8/6/02	SB
Chloride	<50.0	mg/kg	5	50.0	9253	8/13/02	CK
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/6/02	SB
SULFATE, 375.4	141	mg/kg	5	2.5	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	16.3	mg/kg	10	0.20	340.1	8/13/02	MB
Nitrogen, Nitrate	2.50	mg/kg	1	0.5	353.3	8/6/02	SB
Nitrogen, Nitrite	6.25	mg/kg	1	0.100	354.1	8/6/02	SB
TPH 418.1 FTIR	<10.0	mg/kg	1	10.0	418.1	8/5/02	SB

Lab ID: 0204107-06
Sample ID: S.S. 3 North Wall 8'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	27.5	mg/kg	1	2.00	310.1	8/6/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/6/02	SB
Chloride	295	mg/kg	5	50.0	9253	8/13/02	CK
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/6/02	SB
SULFATE, 375.4	6740	mg/kg	125	62.5	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	16.9	mg/kg	10	0.20	340.1	8/13/02	MB
Nitrogen, Nitrate	7.50	mg/kg	1	0.5	353.3	8/6/02	SB
Nitrogen, Nitrite	1.00	mg/kg	1	0.100	354.1	8/6/02	SB
TPH 418.1 FTIR	21.6	mg/kg	1	10.0	418.1	8/5/02	SB

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204107

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002741-02			<0.025		
Ethylbenzene-mg/kg		0002741-02			<0.025		
Toluene-mg/kg		0002741-02			<0.025		
p/m-Xylene-mg/kg		0002741-02			<0.025		
o-Xylene-mg/kg		0002741-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204107-06	0	0.1	0.092	92.%	
Ethylbenzene-mg/kg		0204107-06	0	0.1	0.097	97.%	
Toluene-mg/kg		0204107-06	0	0.1	0.096	96.%	
p/m-Xylene-mg/kg		0204107-06	0	0.2	0.201	100.5%	
o-Xylene-mg/kg		0204107-06	0	0.1	0.097	97.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204107-06	0	0.1	0.090	90.%	2.2%
Ethylbenzene-mg/kg		0204107-06	0	0.1	0.095	95.%	2.1%
Toluene-mg/kg		0204107-06	0	0.1	0.094	94.%	2.1%
p/m-Xylene-mg/kg		0204107-06	0	0.2	0.197	98.5%	2.%
o-Xylene-mg/kg		0204107-06	0	0.1	0.095	95.%	2.1%
SPM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002741-05		0.1	0.091	91.%	
Ethylbenzene-mg/kg		0002741-05		0.1	0.096	96.%	
Toluene-mg/kg		0002741-05		0.1	0.095	95.%	
p/m-Xylene-mg/kg		0002741-05		0.2	0.198	99.%	
o-Xylene-mg/kg		0002741-05		0.1	0.096	96.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0204107

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002707-01			<2.00		
Carbonate Alkalinity-mg/kg		0002709-01			<0.10		
Chloride-mg/kg		0002792-01			<20.0		
Hydroxide Alkalinity-mg/kg		0002711-01			<0.10		
SULFATE, 375.4-mg/kg		0002776-01			< 0.50		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0204107-04	105		105		0.0%
Carbonate Alkalinity-mg/kg		0204107-04	0		<0.10		0.0%
Hydroxide Alkalinity-mg/kg		0204107-04	0		<0.10		0.0%
SULFATE, 375.4-mg/kg		0204173-01	93		96.0		3.2%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204133-01	753	833	1566	97.6%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204133-01	753	833	1625	104.7%	3.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002707-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/kg		0002709-04		0.05	0.0496	99.2%	
Chloride-mg/kg		0002792-04		5000	4870	97.4%	
Hydroxide Alkalinity-mg/kg		0002711-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/kg		0002776-04		50	48.5	97.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0204107

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002797-01			< 1.0		
Magnesium-mg/kg		0002797-01			< 0.10		
Potassium-mg/kg		0002797-01			< 5.0		
Sodium-mg/kg		0002797-01			< 1.0		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0204173-01	207000		204000		1.5%
Magnesium-mg/kg		0204173-01	1360		1370		0.7%
Potassium-mg/kg		0204173-01	137		137		0.0%
Sodium-mg/kg		0204173-01	953		945		0.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002797-04		2	1.89	94.5%	
Magnesium-mg/kg		0002797-04		2	2.1	105.0%	
Potassium-mg/kg		0002797-04		2	1.72	86.0%	
Sodium-mg/kg		0002797-04		2	1.77	88.5%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

METALS RCRA 7 TCLP

Order#: G0204107

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/L		0002765-02			<0.008		
Barium-mg/L		0002765-02			<0.001		
Cadmium-mg/L		0002765-02			<0.001		
Chromium-mg/L		0002765-02			<0.002		
Lead-mg/L		0002765-02			<0.011		
Selenium-mg/L		0002765-02			<0.004		
Silver-mg/L		0002765-02			<0.002		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/L		0002765-03		0.2	0.214	107.5%	
Barium-mg/L		0002765-03		0.2	0.215	107.5%	
Cadmium-mg/L		0002765-03		0.2	0.212	106.6%	
Chromium-mg/L		0002765-03		0.2	0.203	101.5%	
Lead-mg/L		0002765-03		0.2	0.215	107.5%	
Selenium-mg/L		0002765-03		0.2	0.214	107.0%	
Silver-mg/L		0002765-03		0.2	0.191	95.5%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/L		0002765-04		0.2	0.228	114.0%	6.3%
Barium-mg/L		0002765-04		0.2	0.215	107.5%	0.0%
Cadmium-mg/L		0002765-04		0.2	0.209	104.5%	1.4%
Chromium-mg/L		0002765-04		0.2	0.197	98.5%	3.0%
Lead-mg/L		0002765-04		0.2	0.212	106.0%	1.4%
Selenium-mg/L		0002765-04		0.2	0.220	110.0%	2.8%
Silver-mg/L		0002765-04		0.2	0.192	96.0%	0.5%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/L		0002765-05		1	1.07	107.0%	
Barium-mg/L		0002765-05		1	1.02	102.0%	
Cadmium-mg/L		0002765-05		1	1.03	103.0%	
Chromium-mg/L		0002765-05		1	0.974	97.4%	
Lead-mg/L		0002765-05		1	1.09	109.0%	
Selenium-mg/L		0002765-05		1	1.08	108.0%	
Silver-mg/L		0002765-05		0.5	0.489	97.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

METALS RCRA 7 Total

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002736-02			< 0.40		
Barium-mg/kg		0002736-02			< 0.050		
Cadmium-mg/kg		0002736-02			< 0.050		
Chromium-mg/kg		0002736-02			< 0.10		
Lead-mg/kg		0002736-02			< 0.55		
Selenium-mg/kg		0002736-02			< 0.20		
Silver-mg/kg		0002736-02			< 0.10		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002736-03		40	36.4	91.%	
Barium-mg/kg		0002736-03		10	10.9	109.%	
Cadmium-mg/kg		0002736-03		10	9.42	94.2%	
Chromium-mg/kg		0002736-03		10	9.88	98.8%	
Lead-mg/kg		0002736-03		50	51.3	102.6%	
Selenium-mg/kg		0002736-03		20	19.0	95.%	
Silver-mg/kg		0002736-03		10	8.77	87.7%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002736-04		40	35.8	89.5%	1.7%
Barium-mg/kg		0002736-04		10	11.1	111.%	1.8%
Cadmium-mg/kg		0002736-04		10	9.46	94.6%	0.4%
Chromium-mg/kg		0002736-04		10	9.62	96.2%	2.7%
Lead-mg/kg		0002736-04		50	51.3	102.6%	0.%
Selenium-mg/kg		0002736-04		20	18.4	92.%	3.2%
Silver-mg/kg		0002736-04		10	8.85	88.5%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002736-05		1	0.961	96.1%	
Barium-mg/kg		0002736-05		1	1.03	103.%	
Cadmium-mg/kg		0002736-05		1	1.00	100.%	
Chromium-mg/kg		0002736-05		1	1.03	103.%	
Lead-mg/kg		0002736-05		1	1.04	104.%	
Selenium-mg/kg		0002736-05		1	1.01	101.%	
Silver-mg/kg		0002736-05		0.5	0.504	100.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

RCI

Order#: G0204107

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
pH-pH Units		0002728-01			6.05		
Reactive Cyanide-mg/kg		0002722-01			<0.09		
Reactive Sulfide-mg/kg		0002724-01			<5.00		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Reactive Cyanide-mg/kg		0002722-02		0.1	0.09	90.1%	
Reactive Sulfide-mg/kg		0002724-02		13.6	10.9	80.1%	
DUPLICATE	SOLID	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ignitability-C		0204110-01	0		>100		0.0%
pH-pH Units		0204107-01	7.61		7.71		1.3%
Reactive Cyanide-mg/kg		0204107-01	0		<0.09		0.0%
Reactive Sulfide-mg/kg		0204107-01	0		<5.00		0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
pH-pH Units		0002728-04		7	7.03	100.4%	
Reactive Cyanide-mg/kg		0002722-04		1	0.98	98.1%	
Reactive Sulfide-mg/kg		0002724-04		680	422	62.1%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204107

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002748-01			< 0.10		
Fluoride-mg/kg		0002798-01			< 0.020		
Iron-mg/kg		0002748-01			< 0.10		
Manganese-mg/kg		0002748-01			< 0.050		
Mercury, TCLP-mg/L		0002733-01			<0.002		
Mercury, Total-mg/kg		0002731-01			< 0.10		
Nitrogen, Nitrate-mg/kg		0002730-01			<0.50		
Nitrogen, Nitrite-mg/kg		0002721-01			<0.004		
TPH 418.1 FTIR-mg/kg		0002679-01			<10.0		
Zinc-mg/kg		0002748-01			< 0.050		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002748-02		10	10.7	107.7%	
Iron-mg/kg		0002748-02		10	12.3	123.0%	
Manganese-mg/kg		0002748-02		10	10.7	107.0%	
Mercury, TCLP-mg/L		0002733-02		0.015	0.016	106.7%	
Mercury, Total-mg/kg		0002731-02		0.015	0.015	100.0%	
Zinc-mg/kg		0002748-02		10	11.3	113.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002748-03		10	10.5	105.0%	1.9%
Iron-mg/kg		0002748-03		10	12.2	122.0%	0.8%
Manganese-mg/kg		0002748-03		10	10.6	106.0%	0.9%
Mercury, TCLP-mg/L		0002733-03		0.015	0.015	100.0%	6.5%
Mercury, Total-mg/kg		0002731-03		0.015	0.015	100.0%	0.0%
Zinc-mg/kg		0002748-03		10	11.1	111.0%	1.8%
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg		0204173-01	7.25		7.25		0.0%
Nitrogen, Nitrate-mg/kg		0204107-04	18		18.5		2.7%
Nitrogen, Nitrite-mg/kg		0204107-04	1.5		1.5		0.0%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg		0204107-04	27.6	2640	2530	94.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TPH 418.1 FTIR-mg/kg		0204107-04	27.6	2640	2530	94.8%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002748-04		1	1.01	101.0%	
Fluoride-mg/kg		0002798-04		1	1.10	110.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Iron-mg/kg	0002748-04		1	1.02	102.%	
Manganese-mg/kg	0002748-04		1	1.03	103.%	
Mercury, TCLP-mg/L	0002733-04		0.015	0.015	100.%	
Mercury, Total-mg/kg	0002731-04		0.015	0.014	93.3%	
Nitrogen, Nitrate-mg/kg	0002730-04		2	1.98	99.%	
Nitrogen, Nitrite-mg/kg	0002721-04		0.25	0.24	96.%	
TPH 418.1 FTIR-mg/kg	0002679-04		5288	5300	100.2%	
Zinc-mg/kg	0002748-04		1	1.06	106.%	

Environmental Lab of Texas I, Ltd.

2600 West I-20 East
Odessa, Texas 79763

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

COC 117
CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Todd Chohan 238-006

Project Name: Champion Technologies Inc

Company Name: E.T.G.I.

Project #: CH2100

Company Address: 4600 W. Wall

Project Loc: Habber, N.M.

City/State/Zip: Midland, Tx 79703

PO #:

Telephone No: 915-522-1139

Fax No: 915-520-4310

Sampler Signature: Manuel Campos

0204107	LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative												Analyze For:												RUSH TAT (Pre-Schedule)	Standard TAT	
						Ice	HNO ₃	HCl	NaOH	H ₂ SO ₄	None	Other (Specify)	Water	Sludge	Soil	Other (specify):	TPH 418.1	8015M	1005	1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg S	Volatiles	Semivolatiles	BTEX 8021B	RCI	WQCC Metals			General Chemis
01	Area 2 Stockpile #1 N.Side	8-2-02	1042	3	X									X		X					X	X	X		X							X
02	Area 2 Stockpile #1 S.Side		1030	3												X					X	X	X		X							
03	J+L Land Farm - Backfill		0915	3												X								X				X	X			
04	S.S. 1 East Wall / South 6'		0740	3												X								X				X	X			
05	S.S. 2 East Wall / North 6'		0750	3												X								X				X	X			
06	S.S. 3 North Wall 8'		0805	3												X								X				X	X			

Special Instructions: Hold on = J&L Land Farm - Backfill until notified by Todd

Sample Containers Intact? (Y) N

Temperature Upon Receipt:

Laboratory Comments: Rec -1.5°C

Relinquished by: Manuel Campos

Date: 8-2-02 Time: 12:15

Received by: [Signature]

Date: 8-2-02 Time: 12:15

Relinquished by: [Signature]

Date: 8-2-02 Time: 4:35

Received by: [Signature]

Date: 8-2-02 Time: 16:35

* Stop all analysis except 418.1
on samples 04 thru 05. as per Todd
08-05-02 IF 418.1 is <100 ppm
continue analysis. Continue analysis as per Todd
08-05-02 (C, 1300) on 04, 05, 06

ENVIRONMENTAL LAB OF I, LTD.

Pg 1 of 3

"Don't Treat Your Soil Like Dirt!"

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ -1.5 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

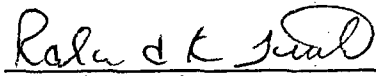
Sampling Date: 08/02/02
Receiving Date: 08/02/02
Analysis Date: 08/06/02

ELT#	FIELD CODE	GRO C6-C10 mg/L	DRO >C10-C35 mg/L	TPH C6-C35 mg/L
0204105-01	MW 8	<3.00	<3.00	<3.00

% IA
% EA
BLANK

94.5
96.3
<3.00

METHODS: Modified 8015 C6-C35


Raland K. Tuttle

8-07-02
Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ -1.5 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
Analysis Date: 08/06/02

ELT#	FIELD CODE	ALIPHATICS					
		C6-C8 mg/L	>C8-C10 mg/L	>C10-C12 mg/L	>C12-C16 mg/L	>C16-C21 mg/L	>C21-C35 mg/L
0204105-01	MW 8	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00

METHODS: Modified 8015 C6-C35

Raland K. Tuttle
Raland K. Tuttle

8-07-02
Date

ENVIRONMENTAL TECHNOLOGY GROUP, INC.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

SampleType: Water
Sample Condition: Intact/ Iced/ HCl/ -1.5 deg. C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
Analysis Date: 08/06/02

ELT#	FIELD CODE	AROMATICS					
		C6-C8 mg/L	>C8-C10 mg/L	>C10-C12 mg/L	>C12-C16 mg/L	>C16-C21 mg/L	>C21-C35 mg/L
0204105-01	MW 8	<3.00	<3.00	<3.00	<3.00	<3.00	<3.00

METHODS: Modified 8015 C6-C35

Roland K. Tuttle
Roland K. Tuttle

8-07-02
Date

Project Manager:

TODD CHOBAN

Phone #: (915) 522 1139

FAX #: (915) 520 4310

ANALYSIS REQUEST

Company Name & Address:

ETGI

P.O. BOX 4845 MIDLAND TX 79704

Project #:

CH 2100

Project Name:

CHAMPION TECHNOLOGIES

Project Location:

HOBBS NM

Sampler Signature:

Simon Casas

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX					PRESERVATIVE METHOD					SAMPLING		BTEX 8020/5030	TPH 418.1	TCLP Metals Ag As	Total Metals Ag As	TCLP Volatiles	TCLP Semi Volatiles	TDS	RCI	GENERAL CHEMISTRY	WQCC METALS	pH	VOC'S	SEMI VOC'S	TPH 1005	TPH 1006	STANDARD	RUSH	
				WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	ICE	NONE	OTHER	DATE	TIME																		
	MW 1	2	2.5	X						X	X	X			8-2	1035								X	X							X	
	MW 2	2	.5L													0815								X	X							X	
	MW 3	2	.5L													0845								X	X							X	
	MW 4	2	.5L													1147								X	X							X	
	MW 5	2	.5L													0910								X	X							X	
	MW 6	6	.5L													1115								X	X							X	
	MW 7	5	.5L													0740					X		X	X	X	X	X					X	
105-01	MW 8	9	.5L													1205					X		X	X	X	X	X	X	X			X	
	MW 9	5	.5L													0942					X		X	X	X	X						X	
	SOUTH DW	2	.5L													1305								X	X							X	
	CHAMPION DW	3	.5	✓						✓	✓	✓			✓	1310								X	X							X	

Relinquished by:

Simon Casas

Date:

8/2/02

Time:

1320

Received by:

James McNamee

REMARKS

Rec -1.5°C

RUSH TPH 1005, 1006 ON MW 8
BY MONDAY
HOLD ON WQCC METALS ON MW 2
UNTIL NOTIFICATION

Relinquished by:

James McNamee 8-2-02

Date:

Time:

14:35

Received by:

James McNamee

Relinquished by:

Date:

Time:

Received by Laboratory:

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204173
Project: CH 2100
Project Name: Champion Technology-Hobbs
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204173-01	Backfill Sundance	SOIL	8/8/02 11:20	8/9/02 17:25	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: 12.0 C			
8021B/5030 BTEX						
Anions						
Cations						
METALS RCRA 7 Total						
Copper						
Fluoride						
Iron						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
TPH 418.1 FTIR						
Zinc						

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204173
Project: CH 2100
Project Name: Champion Technology-Hobbs
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204173-01	Backfill Sundance	SOIL	8/8/02 11:20	8/9/02 17:25	4 oz glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp:	12.0 C		
8021B/5030 BTEX						
Anions						
Cations						
METALS RCRA 7 Total						
Copper						
Fluoride						
Iron						
Manganese						
Mercury, Total						
Nitrogen, Nitrate						
Nitrogen, Nitrite						
TPH 418.1 FTIR						
Zinc						

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
Box 4845
Midland, TX 79704

Order#: G0204173
Project: CH 2100
Project Name: Champion Technology-Hobbs
Location: Hobbs, NM

Lab ID: 0204173-01
Sample ID: Backfill Sundance

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002771-02		8/11/02 12:50	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Approval:

Coley D. Keene 8/16/02
Raland K. Tuttle, Lab Director, QA Officer
Coley D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
Box 4845
Midland, TX 79704

Order#: G0204173
Project: CH 2100
Project Name: Champion Technology-Hobbs
Location: Hobbs, NM

Lab ID: 0204173-01
Sample ID: Backfill Sundance

8021B/5030 BTEX

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0002771-02		8/11/02 12:50	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Approval:

Celestine Keene 8/16/02
Raland K. Tuttle, Lab Director, QA Officer
Celestine D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
Box 4845
Midland, TX 79704

Order#: G0204173
Project: CH 2100
Project Name: Champion Technology-Hobbs
Location: Hobbs, NM

Lab ID: 0204173-01
Sample ID: Backfill Sundance

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	207000	mg/kg	50000	500	6010B	08/10/2002	8/13/02	SM
Magnesium	1360	mg/kg	1000	1.0	6010B	08/10/2002	8/13/02	SM
Potassium	137	mg/kg	100	5.0	6010B	08/10/2002	8/13/02	SM
Sodium	953	mg/kg	100	1.0	6010B	08/10/2002	8/13/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	19.2	mg/kg	50	0.400	3050/6010B	08/10/2002	8/14/02	SM
Barium	405	mg/kg	50	0.050	3050/6010B	08/10/2002	8/14/02	SM
Cadmium	0.406	mg/kg	50	0.050	3050/6010B	08/10/2002	8/14/02	SM
Chromium	1.63	mg/kg	50	0.100	3050/6010B	08/10/2002	8/14/02	SM
Lead	2.24	mg/kg	50	0.550	3050/6010B	08/10/2002	8/14/02	SM
Selenium	<0.20	mg/kg	50	0.200	3050/6010B	08/10/2002	8/14/02	SM
Silver	<0.10	mg/kg	50	0.100	3050/6010B	08/10/2002	8/14/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	6.28	mg/kg	50	0.10	3050/6010B	08/10/2002	8/15/02	SM
Iron	2600	mg/kg	500	1.0	3050/6010B	08/10/2002	8/15/02	SM
Manganese	94.2	mg/kg	50	0.050	3050/6010B	08/10/2002	8/15/02	SM
Mercury, Total	<0.10	mg/kg	50	0.10	7471	08/11/2002	8/11/02	SM
Zinc	5.93	mg/kg	50	0.050	3050/6010B	08/10/2002	8/15/02	SM

Approval:

Celey D. Keene 8/16/02
Rafael K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
Box 4845
Midland, TX 79704

Order#: G0204173
Project: CH 2100
Project Name: Champion Technology-Hobbs
Location: Hobbs, NM

Lab ID: 0204173-01
Sample ID: Backfill Sundance

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	207000	mg/kg	50000	500	6010B	08/10/2002	8/13/02	SM
Magnesium	1360	mg/kg	1000	1.0	6010B	08/10/2002	8/13/02	SM
Potassium	137	mg/kg	100	5.0	6010B	08/10/2002	8/13/02	SM
Sodium	953	mg/kg	100	1.0	6010B	08/10/2002	8/13/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	19.2	mg/kg	50	0.400	3050/6010B	08/10/2002	8/14/02	SM
Barium	405	mg/kg	50	0.050	3050/6010B	08/10/2002	8/14/02	SM
Cadmium	0.406	mg/kg	50	0.050	3050/6010B	08/10/2002	8/14/02	SM
Chromium	1.63	mg/kg	50	0.100	3050/6010B	08/10/2002	8/14/02	SM
Lead	2.24	mg/kg	50	0.550	3050/6010B	08/10/2002	8/14/02	SM
Selenium	<0.20	mg/kg	50	0.200	3050/6010B	08/10/2002	8/14/02	SM
Silver	<0.10	mg/kg	50	0.100	3050/6010B	08/10/2002	8/14/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	6.28	mg/kg	50	0.10	3050/6010B	08/10/2002	8/15/02	SM
Iron	2600	mg/kg	500	1.0	3050/6010B	08/10/2002	8/15/02	SM
Manganese	94.2	mg/kg	50	0.050	3050/6010B	08/10/2002	8/15/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7471	08/11/2002	8/11/02	SM
Zinc	5.93	mg/kg	50	0.050	3050/6010B	08/10/2002	8/15/02	SM

Approval:

Celey D. Keene 8/16/02
Rafael K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

N/A = Not Applicable

RL = Reporting Limit

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204173
Project: CH 2100
Project Name: Champion Technology-Hobbs
Location: Hobbs, NM

Lab ID: 0204173-01
Sample ID: Backfill Sundance

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	450	mg/kg	1	2.00	310.1	8/13/02	CK
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/13/02	CK
Chloride	<20.0	mg/kg	2	20.0	9253	8/13/02	CK
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/13/02	CK
SULFATE, 375.4	93.0	mg/kg	5	2.5	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	7.25	mg/kg	5	0.10	340.1	8/13/02	MB
Nitrogen, Nitrate	<2.5	mg/kg	5	2.5	353.3	8/10/02	RKT
Nitrogen, Nitrite	0.050	mg/kg	5	0.010	354.1	8/10/02	RKT
TPH 418.1 FTIR	38.0	mg/kg	1	10.0	418.1	8/11/02	CK

Approval: Raland K. Tuttle 8-19-02
Raland K. Tuttle, Lab Director, QA Officer Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204173
Project: CH 2100
Project Name: Champion Technology-Hobbs
Location: Hobbs, NM

Lab ID: 0204173-01
Sample ID: Backfill Sundance

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	450	mg/kg	1	2.00	310.1	8/13/02	CK
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/13/02	CK
Chloride	<20.0	mg/kg	2	20.0	9253	8/13/02	CK
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/13/02	CK
SULFATE, 375.4	93.0	mg/kg	5	2.5	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	7.25	mg/kg	5	0.10	340.1	8/13/02	MB
Nitrogen, Nitrate	<2.5	mg/kg	5	2.5	353.3	8/10/02	RKT
Nitrogen, Nitrite	0.050	mg/kg	5	0.010	354.1	8/10/02	RKT
TPH 418.1 FTIR	38.0	mg/kg	1	10.0	418.1	8/11/02	CK

Approval:

Raland K. Tuttle 8-19-02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204173

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002771-02			<0.025		
Ethylbenzene-mg/kg		0002771-02			<0.025		
Toluene-mg/kg		0002771-02			<0.025		
p/m-Xylene-mg/kg		0002771-02			<0.025		
o-Xylene-mg/kg		0002771-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204163-03	0	0.1	0.089	89.%	
Ethylbenzene-mg/kg		0204163-03	0	0.1	0.094	94.%	
Toluene-mg/kg		0204163-03	0	0.1	0.092	92.%	
p/m-Xylene-mg/kg		0204163-03	0	0.2	0.194	97.%	
o-Xylene-mg/kg		0204163-03	0	0.1	0.094	94.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204163-03	0	0.1	0.100	100.%	11.6%
Ethylbenzene-mg/kg		0204163-03	0	0.1	0.107	107.%	12.9%
Toluene-mg/kg		0204163-03	0	0.1	0.104	104.%	12.2%
p/m-Xylene-mg/kg		0204163-03	0	0.2	0.219	109.5%	12.1%
o-Xylene-mg/kg		0204163-03	0	0.1	0.105	105.%	11.1%
MSM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002771-05		0.1	0.093	93.%	
Ethylbenzene-mg/kg		0002771-05		0.1	0.099	99.%	
Toluene-mg/kg		0002771-05		0.1	0.098	98.%	
p/m-Xylene-mg/kg		0002771-05		0.2	0.206	103.%	
o-Xylene-mg/kg		0002771-05		0.1	0.100	100.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204173

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002771-02			<0.025		
Ethylbenzene-mg/kg		0002771-02			<0.025		
Toluene-mg/kg		0002771-02			<0.025		
p/m-Xylene-mg/kg		0002771-02			<0.025		
o-Xylene-mg/kg		0002771-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204163-03	0	0.1	0.089	89.%	
Ethylbenzene-mg/kg		0204163-03	0	0.1	0.094	94.%	
Toluene-mg/kg		0204163-03	0	0.1	0.092	92.%	
p/m-Xylene-mg/kg		0204163-03	0	0.2	0.194	97.%	
o-Xylene-mg/kg		0204163-03	0	0.1	0.094	94.%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204163-03	0	0.1	0.100	100.%	11.6%
Ethylbenzene-mg/kg		0204163-03	0	0.1	0.107	107.%	12.9%
Toluene-mg/kg		0204163-03	0	0.1	0.104	104.%	12.2%
p/m-Xylene-mg/kg		0204163-03	0	0.2	0.219	109.5%	12.1%
o-Xylene-mg/kg		0204163-03	0	0.1	0.105	105.%	11.1%
SPM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002771-05		0.1	0.093	93.%	
Ethylbenzene-mg/kg		0002771-05		0.1	0.099	99.%	
Toluene-mg/kg		0002771-05		0.1	0.098	98.%	
p/m-Xylene-mg/kg		0002771-05		0.2	0.206	103.%	
o-Xylene-mg/kg		0002771-05		0.1	0.100	100.%	

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002803-01			<2.00		
Carbonate Alkalinity-mg/kg		0002803-01			<0.10		
Chloride-mg/kg		0002792-01			<20.0		
Hydroxide Alkalinity-mg/kg		0002803-01			< 0.10		
SULFATE, 375.4-mg/kg		0002776-01			< 0.50		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0204173-01	450		470		4.3%
Carbonate Alkalinity-mg/kg		0204173-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/kg		0204173-01	0		< 0.10		0.0%
SULFATE, 375.4-mg/kg		0204173-01	93		96.0		3.2%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204133-01	753	833	1566	97.6%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204133-01	753	833	1625	104.7%	3.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Carbonate Alkalinity-mg/kg		0002803-04		0.05	0.0575	115.0%	
Carbonate Alkalinity-mg/kg		0002803-04		0.05	0.0575	115.0%	
Chloride-mg/kg		0002792-04		5000	4870	97.4%	
Hydroxide Alkalinity-mg/kg		0002803-04		0.05	0.0575	115.0%	
SULFATE, 375.4-mg/kg		0002776-04		50	48.5	97.0%	

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002803-01			<2.00		
Carbonate Alkalinity-mg/kg		0002803-01			<0.10		
Chloride-mg/kg		0002792-01			<20.0		
Hydroxide Alkalinity-mg/kg		0002803-01			< 0.10		
SULFATE, 375.4-mg/kg		0002776-01			< 0.50		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0204173-01	450		470		4.3%
Carbonate Alkalinity-mg/kg		0204173-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/kg		0204173-01	0		< 0.10		0.0%
SULFATE, 375.4-mg/kg		0204173-01	93		96.0		3.2%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204133-01	753	833	1566	97.6%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204133-01	753	833	1625	104.7%	3.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
ate Alkalinity-mg/kg		0002803-04		0.05	0.0575	115.0%	
Carbonate Alkalinity-mg/kg		0002803-04		0.05	0.0575	115.0%	
Chloride-mg/kg		0002792-04		5000	4870	97.4%	
Hydroxide Alkalinity-mg/kg		0002803-04		0.05	0.0575	115.0%	
SULFATE, 375.4-mg/kg		0002776-04		50	48.5	97.0%	

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002797-01			< 1.0		
Magnesium-mg/kg		0002797-01			< 0.10		
Potassium-mg/kg		0002797-01			< 5.0		
Sodium-mg/kg		0002797-01			< 1.0		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0204173-01	207000		204000		1.5%
Magnesium-mg/kg		0204173-01	1360		1370		0.7%
Potassium-mg/kg		0204173-01	137		137		0.0%
Sodium-mg/kg		0204173-01	953		945		0.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002797-04		2	1.89	94.5%	
Magnesium-mg/kg		0002797-04		2	2.1	105.0%	
Potassium-mg/kg		0002797-04		2	1.72	86.0%	
Sodium-mg/kg		0002797-04		2	1.77	88.5%	

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002797-01			< 1.0		
Magnesium-mg/kg		0002797-01			< 0.10		
Potassium-mg/kg		0002797-01			< 5.0		
Sodium-mg/kg		0002797-01			< 1.0		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0204173-01	207000		204000		1.5%
Magnesium-mg/kg		0204173-01	1360		1370		0.7%
Potassium-mg/kg		0204173-01	137		137		0%
Sodium-mg/kg		0204173-01	953		945		0.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/kg		0002797-04		2	1.89	94.5%	
Magnesium-mg/kg		0002797-04		2	2.1	105%	
Potassium-mg/kg		0002797-04		2	1.72	86%	
Sodium-mg/kg		0002797-04		2	1.77	88.5%	

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METALS RCRA 7 Total

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002836-02			< 0.40		
Barium-mg/kg		0002836-02			< 0.050		
Cadmium-mg/kg		0002836-02			< 0.050		
Chromium-mg/kg		0002836-02			< 0.10		
Lead-mg/kg		0002836-02			< 0.55		
Selenium-mg/kg		0002836-02			< 0.20		
Silver-mg/kg		0002836-02			< 0.10		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002836-03		40	34.8	87.5%	
Barium-mg/kg		0002836-03		10	10.2	102.0%	
Cadmium-mg/kg		0002836-03		10	9.15	91.5%	
Chromium-mg/kg		0002836-03		10	9.84	98.4%	
Lead-mg/kg		0002836-03		50	45.5	91.0%	
Selenium-mg/kg		0002836-03		20	16.7	83.5%	
Silver-mg/kg		0002836-03		5	5.11	102.2%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002836-04		40	34.7	86.8%	0.3%
Barium-mg/kg		0002836-04		10	10.1	101.0%	1.0%
Cadmium-mg/kg		0002836-04		10	9.23	92.3%	0.9%
Chromium-mg/kg		0002836-04		10	10.1	101.0%	2.6%
Lead-mg/kg		0002836-04		50	45.9	91.8%	0.9%
Selenium-mg/kg		0002836-04		20	16.3	81.5%	2.4%
Silver-mg/kg		0002836-04		5	5.11	102.2%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002836-05		1	1.04	104.0%	
Barium-mg/kg		0002836-05		1	1.06	106.0%	
Cadmium-mg/kg		0002836-05		1	1.01	101.0%	
Chromium-mg/kg		0002836-05		1	1.03	103.0%	
Lead-mg/kg		0002836-05		1	1.04	104.0%	
Selenium-mg/kg		0002836-05		1	1.02	102.0%	
Silver-mg/kg		0002836-05		0.5	0.510	102.0%	

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METALS RCRA 7 Total

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002836-02			< 0.40		
Barium-mg/kg		0002836-02			< 0.050		
Cadmium-mg/kg		0002836-02			< 0.050		
Chromium-mg/kg		0002836-02			< 0.10		
Lead-mg/kg		0002836-02			< 0.55		
Selenium-mg/kg		0002836-02			< 0.20		
Silver-mg/kg		0002836-02			< 0.10		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002836-03		40	34.8	87.5%	
Barium-mg/kg		0002836-03		10	10.2	102.0%	
Cadmium-mg/kg		0002836-03		10	9.15	91.5%	
Chromium-mg/kg		0002836-03		10	9.84	98.4%	
Lead-mg/kg		0002836-03		50	45.5	91.0%	
Selenium-mg/kg		0002836-03		20	16.7	83.5%	
Silver-mg/kg		0002836-03		5	5.11	102.2%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002836-04		40	34.7	86.8%	0.3%
Barium-mg/kg		0002836-04		10	10.1	101.0%	1.0%
Cadmium-mg/kg		0002836-04		10	9.23	92.3%	0.9%
Chromium-mg/kg		0002836-04		10	10.1	101.0%	2.6%
Lead-mg/kg		0002836-04		50	45.9	91.8%	0.9%
Selenium-mg/kg		0002836-04		20	16.3	81.5%	2.4%
Silver-mg/kg		0002836-04		5	5.11	102.2%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002836-05		1	1.04	104.0%	
Barium-mg/kg		0002836-05		1	1.06	106.0%	
Cadmium-mg/kg		0002836-05		1	1.01	101.0%	
Chromium-mg/kg		0002836-05		1	1.03	103.0%	
Lead-mg/kg		0002836-05		1	1.04	104.0%	
Selenium-mg/kg		0002836-05		1	1.02	102.0%	
Silver-mg/kg		0002836-05		0.5	0.510	102.0%	

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Test Parameters

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002828-01			< 0.10		
Fluoride-mg/kg		0002798-01			< 0.020		
Iron-mg/kg		0002828-01			< 0.10		
Manganese-mg/kg		0002828-01			< 0.050		
Mercury, Total-mg/kg		0002778-01			< 0.10		
Molybdenum-mg/kg		0002828-01			< 0.10		
Nickel-mg/kg		0002828-01			< 0.30		
Nitrogen, Nitrate-mg/kg		0002805-01			<2.5		
Nitrogen, Nitrite-mg/kg		0002805-01			<0.010		
TPH 418.1 FTIR-mg/kg		0002764-01			<10.0		
Zinc-mg/kg		0002828-01			< 0.050		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002828-02		100	105	105.0%	
Iron-mg/kg		0002828-02		100	103	103.0%	
Manganese-mg/kg		0002828-02		100	104	104.0%	
Molybdenum-mg/kg		0002828-02		100	103	103.0%	
Nickel-mg/kg		0002828-02		100	102	102.0%	
Nitrogen, Nitrate-mg/kg		0002805-02		1	0.8	80.0%	
Nitrogen, Nitrite-mg/kg		0002805-02		0.1	0.079	79.0%	
Zinc-mg/kg		0002828-02		100	104	104.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002828-03		100	105	105.0%	0.0%
Iron-mg/kg		0002828-03		100	103	103.0%	0.0%
Manganese-mg/kg		0002828-03		100	105	105.0%	1.0%
Molybdenum-mg/kg		0002828-03		100	103	103.0%	0.0%
Nickel-mg/kg		0002828-03		100	102	102.0%	0.0%
Nitrogen, Nitrate-mg/kg		0002805-03		1	0.7	70.0%	13.3%
Nitrogen, Nitrite-mg/kg		0002805-03		0.1	0.086	86.0%	8.5%
Zinc-mg/kg		0002828-03		100	104	104.0%	0.0%
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg		0204173-01	7.25		7.25		0.0%
Nitrogen, Nitrate-mg/kg		0204173-01	0		<2.5		0.0%
Nitrogen, Nitrite-mg/kg		0204173-01	0.05		0.065		26.1%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Mercury, Total-mg/kg		0204165-01	0.97	1	0.970	0.0%	
TPH 418.1 FTIR-mg/kg		0204173-01	38	2640	2540	94.8%	

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BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002828-01			< 0.10		
Fluoride-mg/kg		0002798-01			< 0.020		
Iron-mg/kg		0002828-01			< 0.10		
Manganese-mg/kg		0002828-01			< 0.050		
Mercury, Total-mg/kg		0002778-01			< 0.10		
Molybdenum-mg/kg		0002828-01			< 0.10		
Nickel-mg/kg		0002828-01			< 0.30		
Nitrogen, Nitrate-mg/kg		0002805-01			< 2.5		
Nitrogen, Nitrite-mg/kg		0002805-01			< 0.010		
TPH 418.1 FTIR-mg/kg		0002764-01			< 10.0		
Zinc-mg/kg		0002828-01			< 0.050		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002828-02		100	105	105.0%	
Iron-mg/kg		0002828-02		100	103	103.0%	
Manganese-mg/kg		0002828-02		100	104	104.0%	
Molybdenum-mg/kg		0002828-02		100	103	103.0%	
Nickel-mg/kg		0002828-02		100	102	102.0%	
Nitrogen, Nitrate-mg/kg		0002805-02		1	0.8	80.0%	
Nitrogen, Nitrite-mg/kg		0002805-02		0.1	0.079	79.0%	
Zinc-mg/kg		0002828-02		100	104	104.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002828-03		100	105	105.0%	0.0%
Iron-mg/kg		0002828-03		100	103	103.0%	0.0%
Manganese-mg/kg		0002828-03		100	105	105.0%	1.0%
Molybdenum-mg/kg		0002828-03		100	103	103.0%	0.0%
Nickel-mg/kg		0002828-03		100	102	102.0%	0.0%
Nitrogen, Nitrate-mg/kg		0002805-03		1	0.7	70.0%	13.3%
Nitrogen, Nitrite-mg/kg		0002805-03		0.1	0.086	86.0%	8.5%
Zinc-mg/kg		0002828-03		100	104	104.0%	0.0%
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg		0204173-01	7.25		7.25		0.0%
Nitrogen, Nitrate-mg/kg		0204173-01	0		< 2.5		0.0%
Nitrogen, Nitrite-mg/kg		0204173-01	0.05		0.065		26.1%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Mercury, Total-mg/kg		0204165-01	0.97	1	0.970	0.0%	
TPH 418.1 FTIR-mg/kg		0204173-01	38	2640	2540	94.8%	

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<i>I</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	Mercury, Total-mg/kg	0204165-01	0.97	1	1.03	6.0%	6.0%
	TPH 418.1 FTIR-mg/kg	0204173-01	38	2640	2800	104.6%	9.7%
<i>SRM</i>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	Copper-mg/kg	0002828-04		1	1.02	102.0%	
	Fluoride-mg/kg	0002798-04		1	1.10	110.0%	
	Iron-mg/kg	0002828-04		1	0.981	98.1%	
	Manganese-mg/kg	0002828-04		1	1.02	102.0%	
	Mercury, Total-mg/kg	0002778-04		0.75	0.715	95.3%	
	Molybdenum-mg/kg	0002828-04		1	1.01	101.0%	
	Nickel-mg/kg	0002828-04		1	0.993	99.3%	
	Nitrogen, Nitrate-mg/kg	0002805-04		2	1.8	90.0%	
	Nitrogen, Nitrite-mg/kg	0002805-04		0.1	0.088	88.0%	
	TPH 418.1 FTIR-mg/kg	0002764-04		5288	4930	93.2%	
	Zinc-mg/kg	0002828-04		1	1.06	106.0%	

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7	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	Mercury, Total-mg/kg	0204165-01	0.97	1	1.03	6.%	6.%
	TPH 418.1 FTIR-mg/kg	0204173-01	38	2640	2800	104.6%	9.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
	Copper-mg/kg	0002828-04		1	1.02	102.%	
	Fluoride-mg/kg	0002798-04		1	1.10	110.%	
	Iron-mg/kg	0002828-04		1	0.981	98.1%	
	Manganese-mg/kg	0002828-04		1	1.02	102.%	
	Mercury, Total-mg/kg	0002778-04		0.75	0.715	95.3%	
	Molybdenum-mg/kg	0002828-04		1	1.01	101.%	
	Nickel-mg/kg	0002828-04		1	0.993	99.3%	
	Nitrogen, Nitrate-mg/kg	0002805-04		2	1.8	90.%	
	Nitrogen, Nitrite-mg/kg	0002805-04		0.1	0.088	88.%	
	TPH 418.1 FTIR-mg/kg	0002764-04		5288	4930	93.2%	
	Zinc-mg/kg	0002828-04		1	1.06	106.%	

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Fax (505) 397-4701**

ANALYSIS REQUEST
(Circle or Specify Method No.)

Project Manager:

TODD CHOBAN

Project Name:

ma: Champion Technologies- Hobbs

Project Number:

CH2100

Project Location:

Hobbs, NM

Sampler Signature:

Sampler Signature: *[Signature]*

[illegible]

Relinquished by:

Date:

Time:

Received by:

Date:

Time:

REMARKS:

12.0°C

Relinquished by:

Date:

Time:

Received at Lab by:

Date:

Time

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204207
Project: CH 2100
Project Name: Champion
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0204207-01	Comp. Caliche Pit	SOIL	8/12/02 16:45	8/14/02 10:30	4 oz glass	Ice
	<u>Lab Testing:</u>	Rejected: No	Temp:	9.0 C		
	8021B/5030 BTEX					
	Anions					
	Cations					
	METALS RCRA 7 Total					
	Copper					
	Fluoride					
	Iron					
	Manganese					
	Mercury, Total					
	Nitrogen, Nitrate					
	Nitrogen, Nitrite					
	TPH 418.1 FTIR					
	Zinc					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204207
Project: CH 2100
Project Name: Champion
Location: Hobbs, NM

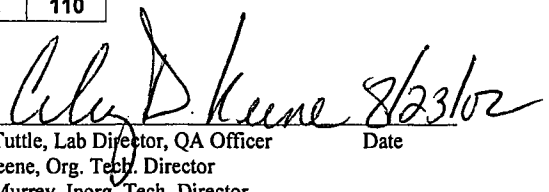
Lab ID: 0204207-01
Sample ID: Comp. Caliche Pit

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002898-02		8/19/02 19:31	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	90%	73	115
Bromofluorobenzene	107%	72	110

Approval: 
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204207
Project: CH 2100
Project Name: Champion
Location: Hobbs, NM

Lab ID: 0204207-01
Sample ID: Comp. Caliche Pit

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	56.0	mg/kg	1	2.00	310.1	8/15/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/15/02	SB
Chloride	<50.0	mg/kg	1	50.0	9253	8/17/02	SB
Hydroxide Alkalinity	<0.10	mg/kg	1	2	310.1	8/15/02	SB
SULFATE, 375.4	324	mg/kg	1	2.5	375.4	8/16/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	5.45	mg/kg	1	0.10	340.1	8/16/02	SB
Nitrogen, Nitrate	14.2	mg/kg	5	2.5	353.3	8/14/02	SB
Nitrogen, Nitrite	0.257	mg/kg	5	0.020	354.1	8/14/02	SB
TPH 418.1 FTIR	16.5	mg/kg	1	10.0	418.1	8/14/02	SB

Approval:

Cele D. Keene 8/23/02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204207
Project: CH 2100
Project Name: Champion
Location: Hobbs, NM

Lab ID: 0204207-01
Sample ID: Comp. Caliche Pit

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	74200	mg/kg	10000	100	6010B	08/22/2002	8/22/02	SM
Magnesium	1090	mg/kg	1000	1.0	6010B	08/22/2002	8/22/02	SM
Potassium	106	mg/kg	100	5.0	6010B	08/22/2002	8/22/02	SM
Sodium	654	mg/kg	100	1.0	6010B	08/22/2002	8/22/02	SM

METALS RCRA 7 Total

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	12.1	mg/kg	50	0.400	3050/6010B	08/15/2002	8/16/02	SM
Barium	154	mg/kg	50	0.050	3050/6010B	08/15/2002	8/16/02	SM
Cadmium	1.04	mg/kg	50	0.050	3050/6010B	08/15/2002	8/16/02	SM
Chromium	6.48	mg/kg	50	0.100	3050/6010B	08/15/2002	8/16/02	SM
Lead	10	mg/kg	50	0.550	3050/6010B	08/15/2002	8/16/02	SM
Selenium	< 0.20	mg/kg	50	0.200	3050/6010B	08/15/2002	8/16/02	SM
Silver	< 0.10	mg/kg	50	0.100	3050/6010B	08/15/2002	8/16/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Copper	2.39	mg/kg	50	0.10	3050/6010B	08/15/2002	8/17/02	SM
Iron	3990	mg/kg	500	1.0	3050/6010B	08/15/2002	8/17/02	SM
Manganese	27.7	mg/kg	50	0.050	3050/6010B	08/15/2002	8/17/02	SM
Mercury, Total	< 0.10	mg/kg	50	0.10	7471	08/15/2002	8/16/02	SM
Zinc	10.1	mg/kg	50	0.050	3050/6010B	08/15/2002	8/17/02	SM

Approval:

Raland K. Tuttle, Lab Director, QA Officer

Date

Celely D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204207

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002868-01			< 0.10		
Fluoride-mg/kg		0002851-01			<0.10		
Iron-mg/kg		0002868-01			< 0.10		
Manganese-mg/kg		0002868-01			< 0.050		
Mercury, Total-mg/kg		0002843-01			< 0.10		
Nitrogen, Nitrate-mg/kg		0002821-01			<0.5		
Nitrogen, Nitrite-mg/kg		0002821-01			<0.010		
TPH 418.1 FTIR-mg/kg		0002817-01			<10.00		
Zinc-mg/kg		0002868-01			< 0.050		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002868-02		10	9.40	94.%	
Iron-mg/kg		0002868-02		30	32.5	108.3%	
Manganese-mg/kg		0002868-02		10	10.0	100.%	
Zinc-mg/kg		0002868-02		10	10.4	104.%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002868-03		10	9.56	95.6%	1.7%
Iron-mg/kg		0002868-03		30	34.0	113.3%	4.5%
Manganese-mg/kg		0002868-03		10	10.1	101.%	1.%
Zinc-mg/kg		0002868-03		10	10.5	105.%	1.%
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Fluoride-mg/kg		0204207-01	5.45		5.45		0.%
Nitrogen, Nitrate-mg/kg		0204207-01	14.2		13.7		3.6%
Nitrogen, Nitrite-mg/kg		0204207-01	0.257		0.265		3.1%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Mercury, Total-mg/kg		0204207-01	0	1	0.890	89.%	
TPH 418.1 FTIR-mg/kg		0204180-01	198	2640	2950	104.2%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Mercury, Total-mg/kg		0204207-01	0	1	0.925	92.5%	3.9%
TPH 418.1 FTIR-mg/kg		0204180-01	198	2640	2950	104.2%	0.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Copper-mg/kg		0002868-04		1	1.02	102.%	
Fluoride-mg/kg		0002851-04		1	0.96	96.%	
Iron-mg/kg		0002868-04		1	1.03	103.%	
Manganese-mg/kg		0002868-04		1	1.01	101.%	
Mercury, Total-mg/kg		0002843-04		0.75	0.735	98.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Nitrogen, Nitrate-mg/kg	0002821-04		2	1.9	95.0%	
Nitrogen, Nitrite-mg/kg	0002821-04		0.25	0.240	96.0%	
TPH 418.1 FTIR-mg/kg	0002817-04		5288	5450	103.1%	
Zinc-mg/kg	0002868-04		1	1.07	107.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Cations

Order#: G0204207

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-None		0002944-01			<0.010		
Magnesium-None		0002944-01			<0.001		
Potassium-None		0002944-01			<0.050		
Sodium-None		0002944-01			<0.010		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-None		0204207-01	74200		76300		2.8%
Magnesium-None		0204207-01	1090		1170		7.1%
Potassium-None		0204207-01	106		106		0.0%
Sodium-None		0204207-01	654		653		0.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-None		0002944-04		2	2.04	102.0%	
Magnesium-None		0002944-04		2	1.93	96.5%	
Potassium-None		0002944-04		2	1.91	95.5%	
Sodium-None		0002944-04		2	1.78	89.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

METALS RCRA 7 Total

Order#: G0204207

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002844-02			< 0.40		
Barium-mg/kg		0002844-02			< 0.050		
Cadmium-mg/kg		0002844-02			< 0.050		
Chromium-mg/kg		0002844-02			< 0.10		
Lead-mg/kg		0002844-02			< 0.55		
Selenium-mg/kg		0002844-02			< 0.20		
Silver-mg/kg		0002844-02			< 0.10		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002844-03		40	36	90.0%	
Barium-mg/kg		0002844-03		10	9.90	99.0%	
Cadmium-mg/kg		0002844-03		10	9.51	95.1%	
Chromium-mg/kg		0002844-03		10	10.4	104.0%	
Lead-mg/kg		0002844-03		50	47.1	94.2%	
Selenium-mg/kg		0002844-03		20	15.9	79.5%	
Silver-mg/kg		0002844-03		5	4.59	91.8%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002844-04		40	36.1	90.3%	0.3%
Barium-mg/kg		0002844-04		10	9.97	99.7%	0.7%
Cadmium-mg/kg		0002844-04		10	9.65	96.5%	1.5%
Chromium-mg/kg		0002844-04		10	10.4	104.0%	0.0%
Lead-mg/kg		0002844-04		50	47.7	95.4%	1.3%
Selenium-mg/kg		0002844-04		20	16.2	81.0%	1.9%
Silver-mg/kg		0002844-04		5	4.69	93.8%	2.2%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/kg		0002844-05		1	1.09	109.0%	
Barium-mg/kg		0002844-05		1	1.09	109.0%	
Cadmium-mg/kg		0002844-05		1	1.08	108.0%	
Chromium-mg/kg		0002844-05		1	1.09	109.0%	
Lead-mg/kg		0002844-05		1	1.08	108.0%	
Selenium-mg/kg		0002844-05		1	1.06	106.0%	
Silver-mg/kg		0002844-05		0.5	0.488	97.6%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204207

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002898-02			<0.025		
Ethylbenzene-mg/kg		0002898-02			<0.025		
Toluene-mg/kg		0002898-02			<0.025		
p/m-Xylene-mg/kg		0002898-02			<0.025		
o-Xylene-mg/kg		0002898-02			<0.025		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002898-03		0.1	0.101	101.%	
Ethylbenzene-mg/kg		0002898-03		0.1	0.107	107.%	
Toluene-mg/kg		0002898-03		0.1	0.105	105.%	
p/m-Xylene-mg/kg		0002898-03		0.2	0.214	107.%	
o-Xylene-mg/kg		0002898-03		0.1	0.105	105.%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002898-04		0.1	0.102	102.%	1.%
Ethylbenzene-mg/kg		0002898-04		0.1	0.108	108.%	0.9%
Toluene-mg/kg		0002898-04		0.1	0.107	107.%	1.9%
p/m-Xylene-mg/kg		0002898-04		0.2	0.216	108.%	0.9%
o-Xylene-mg/kg		0002898-04		0.1	0.105	105.%	0.%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002898-05		0.1	0.100	100.%	
Ethylbenzene-mg/kg		0002898-05		0.1	0.104	104.%	
Toluene-mg/kg		0002898-05		0.1	0.109	109.%	
p/m-Xylene-mg/kg		0002898-05		0.2	0.216	108.%	
o-Xylene-mg/kg		0002898-05		0.1	0.105	105.%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Anions

Order#: G0204207

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0002846-01			<2.00		
Carbonate Alkalinity-mg/kg		0002848-01			<0.10		
Chloride-mg/kg		0002897-01			<50.0		
Hydroxide Alkalinity-mg/kg		0002850-01			<0.10		
SULFATE, 375.4-mg/kg		0002860-01			<2.5		
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/kg		0204207-01	56		56		0.0%
Carbonate Alkalinity-mg/kg		0204207-01	0		<0.10		0.0%
Hydroxide Alkalinity-mg/kg		0204207-01	0		<0.10		0.0%
SULFATE, 375.4-mg/kg		0204207-01	324		322		0.6%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204207-01	0	1250	1280	102.4%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0204207-01	1280	1250	1280	102.4%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
onate Alkalinity-mg/kg		0002846-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/kg		0002848-04		0.05	0.0496	99.2%	
Chloride-mg/kg		0002897-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/kg		0002850-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/kg		0002860-04		50	49.2	98.4%	

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name

Company Address:

City/State/Zip:

Telephone No. 48

Sampler Signature:

Fax No:

Project Name:

Project #:

Project Loc:

PO #:

[illegible]

Relinquished by: Jason Henry - Jason Her 1030 8/14/02

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704
915-520-4310

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0204312-01	Area 2 Stockpile 1-A	SOIL	8/22/02 8:55	8/23/02 10:00	4 oz glass	iced
	<u>Lab Testing:</u>	Rejected: No		Temp: 1.0C		
	8260B TCLP					
	8270C Semivolatile Organics - TCLP					
	METALS RCRA 7 TCLP					
	Chromium					
	Mercury, TCLP					
0204312-02	Area 2 Stockpile 1-B	SOIL	8/22/02 9:03	8/23/02 10:00	4 oz glass	iced
	<u>Lab Testing:</u>	Rejected: No		Temp: 1.0C		
	8260B TCLP					
	8270C Semivolatile Organics - TCLP					
	METALS RCRA 7 TCLP					
	Chromium					
	Mercury, TCLP					
0204312-03	Area 2 Stockpile 2-A	SOIL	8/22/02 9:11	8/23/02 10:00	4 oz glass	iced
	<u>Lab Testing:</u>	Rejected: No		Temp: 1.0C		
	8260B TCLP					
	8270C Semivolatile Organics - TCLP					
	METALS RCRA 7 TCLP					
	Mercury, TCLP					
0204312-04	Area 2 Stockpile 2-B	SOIL	8/22/02 9:17	8/23/02 10:00	4 oz glass	iced
	<u>Lab Testing:</u>	Rejected: No		Temp: 1.0C		
	8260B TCLP					
	8270C Semivolatile Organics - TCLP					
	METALS RCRA 7 TCLP					
	Mercury, TCLP					

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-01
Sample ID: Area 2 Stockpile 1-A

8260B TCLP

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002973-02	8/23/02	8/26/02 18:14	5	1	CK	1311/8260B

Parameter	Result µg/L	RL
Carbon tetrachloride	<1	1.00
Benzene	<1	1.00
1,2-Dichloroethane	<1	1.00
Chlorobenzene	<1	1.00
1,1-Dichloroethene	<1	1.00
1,4-Dichlorobenzene	<1	1.00
2-Butanone (MEK)	<1	1.00
Chloroform	<1	1.00
Tetrachloroethene	<1	1.00
Trichloroethene	<1	1.00
Vinyl chloride	<1	1.00

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	98%	53	144
1,2-dichloroethane-d4	100%	57	147
Toluene-d8	101%	64	128
4-Bromofluorobenzene	95%	47	158

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 8

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-01
Sample ID: Area 2 Stockpile 1-A

8270C Semivolatile Organics - TCLP

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003051-02	8/23/02	8/27/02 19:27	1	1	CK	1311/8270C

Parameter	Result µg/L	RL
Pyridine	<5	5.00
1,4-Dichlorobenzene	<5	5.00
2-Methylphenol	<5	5.00
Hexachloroethane	<5	5.00
Nitrobenzene	<5	5.00
Hexachlorobutadiene	<5	5.00
2,4,6-Trichlorophenol	<5	5.00
2,4,5-Trichlorophenol	<5	5.00
2,4-Dinitrotoluene	<5	5.00
Hexachlorobenzene	<5	5.00
Pentachlorophenol	<5	5.00
4-Methylphenol	<5	5.00

Surrogates	% Recovered	QC Limits (%)	
2-Fluorophenol	15%	21	110
Phenol-d5	15%	10	110
Nitrobenzene-d5	28%	35	114
2-Fluorobiphenyl	36%	43	116
2,4,6-Tribromophenol	92%	10	123
p-Terphenyl-d14	70%	33	141

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-02
Sample ID: Area 2 Stockpile 1-B

8260B TCLP

Method	Date	Date	Sample	Dilution		
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	<u>Method</u>
0002973-02	8/23/02	8/26/02 18:39	5	1	CK	1311/8260B

Parameter	Result µg/L	RL
Carbon tetrachloride	<1	1.00
Benzene	<1	1.00
1,2-Dichloroethane	<1	1.00
Chlorobenzene	<1	1.00
1,1-Dichloroethene	<1	1.00
1,4-Dichlorobenzene	<1	1.00
2-Butanone (MEK)	<1	1.00
Chloroform	<1	1.00
Tetrachloroethene	1.10	1.00
Trichloroethene	<1	1.00
Vinyl chloride	<1	1.00

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	95%	53	144
1,2-dichloroethane-d4	101%	57	147
Toluene-d8	99%	64	128
4-Bromofluorobenzene	94%	47	158

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
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Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-02
Sample ID: Area 2 Stockpile 1-B

8270C Semivolatile Organics - TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003051-02	8/23/02	8/27/02 20:04	1	1	CK	1311/8270C

Parameter	Result µg/L	RL
Pyridine	<5	5.00
1,4-Dichlorobenzene	<5	5.00
2-Methylphenol	<5	5.00
Hexachloroethane	<5	5.00
Nitrobenzene	<5	5.00
Hexachlorobutadiene	<5	5.00
2,4,6-Trichlorophenol	<5	5.00
2,4,5-Trichlorophenol	<5	5.00
2,4-Dinitrotoluene	<5	5.00
Hexachlorobenzene	<5	5.00
Pentachlorophenol	<5	5.00
4-Methylphenol	<5	5.00

Surrogates	% Recovered	QC Limits (%)	
2-Fluorophenol	17%	21	110
Phenol-d5	13%	10	110
Nitrobenzene-d5	36%	35	114
2-Fluorobiphenyl	45%	43	116
2,4,6-Tribromophenol	101%	10	123
p-Terphenyl-d14	74%	33	141

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

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P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-03
Sample ID: Area 2 Stockpile 2-A

8260B TCLP

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0002973-02	8/23/02	8/26/02 19:03	5	1	CK	1311/8260B

Parameter	Result µg/L	RL
Carbon tetrachloride	<1	1.00
Benzene	<1	1.00
1,2-Dichloroethane	<1	1.00
Chlorobenzene	<1	1.00
1,1-Dichloroethene	<1	1.00
1,4-Dichlorobenzene	<1	1.00
2-Butanone (MEK)	<1	1.00
Chloroform	<1	1.00
Tetrachloroethene	1.68	1.00
Trichloroethene	<1	1.00
Vinyl chloride	<1	1.00

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	98%	53	144
1,2-dichloroethane-d4	100%	57	147
Toluene-d8	103%	64	128
4-Bromofluorobenzene	107%	47	158

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-03
Sample ID: Area 2 Stockpile 2-A

8270C Semivolatile Organics - TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003051-02	8/23/02	8/27/02 20:41	1	1	CK	1311/8270C

Parameter	Result µg/L	RL
Pyridine	<5	5.00
1,4-Dichlorobenzene	<5	5.00
2-Methylphenol	<5	5.00
Hexachloroethane	<5	5.00
Nitrobenzene	<5	5.00
Hexachlorobutadiene	<5	5.00
2,4,6-Trichlorophenol	<5	5.00
2,4,5-Trichlorophenol	<5	5.00
2,4-Dinitrotoluene	<5	5.00
Hexachlorobenzene	<5	5.00
Pentachlorophenol	<5	5.00
4-Methylphenol	<5	5.00

Surrogates	% Recovered	QC Limits (%)	
2-Fluorophenol	19%	21	110
Phenol-d5	17%	10	110
Nitrobenzene-d5	34%	35	114
2-Fluorobiphenyl	43%	43	116
2,4,6-Tribromophenol	112%	10	123
p-Terphenyl-d14	80%	33	141

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
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P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-04
Sample ID: Area 2 Stockpile 2-B

8260B TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002973-02	8/23/02	8/26/02 19:28	5	1	CK	1311/8260B

Parameter	Result µg/L	RL
Carbon tetrachloride	<1	1.00
Benzene	<1	1.00
1,2-Dichloroethane	<1	1.00
Chlorobenzene	<1	1.00
1,1-Dichloroethene	<1	1.00
1,4-Dichlorobenzene	<1	1.00
2-Butanone (MEK)	<1	1.00
Chloroform	<1	1.00
Tetrachloroethene	1.00	1.00
Trichloroethene	<1	1.00
Vinyl chloride	<1	1.00

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	78%	53	144
1,2-dichloroethane-d4	74%	57	147
Toluene-d8	99%	64	128
4-Bromofluorobenzene	98%	47	158

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
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Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-04
Sample ID: Area 2 Stockpile 2-B

8270C Semivolatile Organics - TCLP

Method	Date	Date	Sample	Dilution	Analyst	Method
<u>Blank</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Amount</u>	<u>Factor</u>		
0003051-02	8/23/02	8/27/02 21:17	1	1	CK	1311/8270C

Parameter	Result µg/L	RL
Pyridine	<5	5.00
1,4-Dichlorobenzene	<5	5.00
2-Methylphenol	<5	5.00
Hexachloroethane	<5	5.00
Nitrobenzene	<5	5.00
Hexachlorobutadiene	<5	5.00
2,4,6-Trichlorophenol	<5	5.00
2,4,5-Trichlorophenol	<5	5.00
2,4-Dinitrotoluene	<5	5.00
Hexachlorobenzene	<5	5.00
Pentachlorophenol	<5	5.00
4-Methylphenol	<5	5.00

Surrogates	% Recovered	QC Limits (%)	
2-Fluorophenol	22%	21	110
Phenol-d5	20%	10	110
Nitrobenzene-d5	47%	35	114
2-Fluorobiphenyl	51%	43	116
2,4,6-Tribromophenol	86%	10	123
p-Terphenyl-d14	77%	33	141

Approval:

Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biezugbe, Lab Tech.
Sara Molina, Lab Tech.

Date

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-01
Sample ID: Area 2 Stockpile 1-A

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.028	mg/L	1	0.008	1311/6010B	08/26/2002	8/27/02	SM
Barium	0.900	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/26/2002	8/27/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/26/2002	8/27/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Chromium	22.8	mg/kg	50	0.10	3050/6010B	08/26/2002	8/28/02	SM
Mercury, TCLP	<0.002	mg/L	1	0.002	7470	08/26/2002	8/27/02	SM

Lab ID: 0204312-02
Sample ID: Area 2 Stockpile 1-B

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.025	mg/L	1	0.008	1311/6010B	08/26/2002	8/27/02	SM
Barium	0.558	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/26/2002	8/27/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/26/2002	8/27/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Chromium	32.3	mg/kg	50	0.10	3050/6010B	08/26/2002	8/28/02	SM
Mercury, TCLP	<0.002	mg/L	1	0.002	7470	08/26/2002	8/27/02	SM

Lab ID: 0204312-03
Sample ID: Area 2 Stockpile 2-A

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.022	mg/L	1	0.008	1311/6010B	08/26/2002	8/27/02	SM
Barium	0.695	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/26/2002	8/27/02	SM

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-03
Sample ID: Area 2 Stockpile 2-A

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/26/2002	8/27/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, TCLP	<0.002	mg/L	1	0.002	7470	08/26/2002	8/27/02	SM

Lab ID: 0204312-04
Sample ID: Area 2 Stockpile 2-B

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.027	mg/L	1	0.008	1311/6010B	08/26/2002	8/27/02	SM
Barium	0.594	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM
Lead	0.013	mg/L	1	0.011	1311/6010B	08/26/2002	8/27/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/26/2002	8/27/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, TCLP	<0.002	mg/L	1	0.002	7470	08/26/2002	8/27/02	SM

Approval:

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

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ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8260B TCLP

Order#: G0204312

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Carbon tetrachloride-µg/L		0002973-02			<1		
Benzene-µg/L		0002973-02			<1		
1,2-Dichloroethane-µg/L		0002973-02			<1		
Chlorobenzene-µg/L		0002973-02			<1		
1,1-Dichloroethene-µg/L		0002973-02			<1		
1,4-Dichlorobenzene-µg/L		0002973-02			<1		
2-Butanone (MEK)-µg/L		0002973-02			<1		
Chloroform-µg/L		0002973-02			<1		
Tetrachloroethene-µg/L		0002973-02			<1		
Trichloroethene-µg/L		0002973-02			<1		
Vinyl chloride-µg/L		0002973-02			<1		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Carbon tetrachloride-µg/L		0002973-03		50	55.3	110.6%	
Benzene-µg/L		0002973-03		50	59.4	118.8%	
1,2-Dichloroethane-µg/L		0002973-03		50	64.6	129.2%	
Chlorobenzene-µg/L		0002973-03		50	55.4	110.8%	
1,1-Dichloroethene-µg/L		0002973-03		50	54.4	108.8%	
2-Butanone (MEK)-µg/L		0002973-03		100	97.5	97.5%	
Chloroform-µg/L		0002973-03		50	62.8	125.6%	
Tetrachloroethene-µg/L		0002973-03		50	40.4	80.8%	
Trichloroethene-µg/L		0002973-03		50	41.5	83.3%	
Vinyl chloride-µg/L		0002973-03		50	43.7	87.4%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Carbon tetrachloride-µg/L		0002973-04		50	56.2	112.4%	1.6%
Benzene-µg/L		0002973-04		50	55.5	111.1%	6.8%
1,2-Dichloroethane-µg/L		0002973-04		50	58.8	117.6%	9.4%
Chlorobenzene-µg/L		0002973-04		50	49.3	98.6%	11.7%
1,1-Dichloroethene-µg/L		0002973-04		50	58.9	117.8%	7.9%
2-Butanone (MEK)-µg/L		0002973-04		100	85.4	85.4%	13.2%
Chloroform-µg/L		0002973-04		50	56.6	113.2%	10.4%
Tetrachloroethene-µg/L		0002973-04		50	39.1	78.2%	3.3%
Trichloroethene-µg/L		0002973-04		50	40.6	81.2%	2.2%
Vinyl chloride-µg/L		0002973-04		50	39.7	79.4%	9.6%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
1,1-Dichloroethene-µg/L		0002973-05		50	55.3	110.6%	
Chloroform-µg/L		0002973-05		50	60.1	120.2%	
Vinyl chloride-µg/L		0002973-05		50	45.9	91.8%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8270C Semivolatile Organics - TCLP

Order#: G0204312

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Pyridine-µg/L		0003051-02			<5		
1,4-Dichlorobenzene-µg/L		0003051-02			<5		
2-Methylphenol-µg/L		0003051-02			<5		
Hexachloroethane-µg/L		0003051-02			<5		
Nitrobenzene-µg/L		0003051-02			<5		
Hexachlorobutadiene-µg/L		0003051-02			<5		
2,4,6-Trichlorophenol-µg/L		0003051-02			<5		
2,4,5-Trichlorophenol-µg/L		0003051-02			<5		
2,4-Dinitrotoluene-µg/L		0003051-02			<5		
Hexachlorobenzene-µg/L		0003051-02			<5		
Pentachlorophenol-µg/L		0003051-02			<5		
4-Methylphenol-µg/L		0003051-02			<5		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
1,4-Dichlorobenzene-µg/L		0003051-03		100	33	33.0%	
2,4-Dinitrotoluene-µg/L		0003051-03		100	58.2	58.2%	
Pentachlorophenol-µg/L		0003051-03		200	184	92.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
1,4-Dichlorobenzene-µg/L		0003051-04		100	31.6	31.6%	4.3%
2,4-Dinitrotoluene-µg/L		0003051-04		100	56.9	56.9%	2.3%
Pentachlorophenol-µg/L		0003051-04		200	195	97.5%	5.8%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
1,4-Dichlorobenzene-µg/L		0003051-05		50	51.2	102.4%	
Hexachlorobutadiene-µg/L		0003051-05		50	62.4	124.8%	
2,4,6-Trichlorophenol-µg/L		0003051-05		50	53.8	107.6%	
Pentachlorophenol-µg/L		0003051-05		50	64	128.0%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

METALS RCRA 7 TCLP

Order#: G0204312

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/L		0002996-02			<0.008		
Barium-mg/L		0002996-02			<0.001		
Cadmium-mg/L		0002996-02			<0.001		
Chromium-mg/L		0002996-02			<0.002		
Lead-mg/L		0002996-02			<0.011		
Selenium-mg/L		0002996-02			<0.004		
Silver-mg/L		0002996-02			<0.002		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/L		0002996-03		0.8	0.886	110.7%	
Barium-mg/L		0002996-03		0.2	0.199	99.5%	
Cadmium-mg/L		0002996-03		0.2	0.188	94.%	
Chromium-mg/L		0002996-03		0.2	0.195	97.5%	
Lead-mg/L		0002996-03		1	0.908	90.8%	
Selenium-mg/L		0002996-03		0.5	0.482	96.4%	
Silver-mg/L		0002996-03		0.5	0.444	88.8%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/L		0002996-04		0.8	0.890	111.3%	0.5%
Barium-mg/L		0002996-04		0.2	0.206	103.%	3.5%
Cadmium-mg/L		0002996-04		0.2	0.190	95.%	1.1%
Chromium-mg/L		0002996-04		0.2	0.191	95.5%	2.1%
Lead-mg/L		0002996-04		1	0.899	89.9%	1.%
Selenium-mg/L		0002996-04		0.5	0.485	97.%	0.6%
Silver-mg/L		0002996-04		0.5	0.447	89.4%	0.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Arsenic-mg/L		0002996-05		1	0.960	96.%	
Barium-mg/L		0002996-05		1	1.02	102.%	
Cadmium-mg/L		0002996-05		1	0.965	96.5%	
Chromium-mg/L		0002996-05		1	1.02	102.%	
Lead-mg/L		0002996-05		1	1.01	101.%	
Selenium-mg/L		0002996-05		1	0.994	99.4%	
Silver-mg/L		0002996-05		0.5	0.481	96.2%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

Test Parameters

Order#: G0204312

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chromium-mg/kg		0002998-01			< 0.10		
Mercury, TCLP-mg/L		0002977-01			<0.002		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chromium-mg/kg		0002998-02		10	9.16	91.6%	
Mercury, TCLP-mg/L		0002977-02		0.015	0.016	106.7%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chromium-mg/kg		0002998-03		10	9.01	90.1%	1.7%
Mercury, TCLP-mg/L		0002977-03		0.015	0.016	106.7%	0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chromium-mg/kg		0002998-04		1	0.990	99.0%	
Mercury, TCLP-mg/L		0002977-04		0.015	0.015	100.0%	

CASE NARRATIVE

ENVIRONMENTAL LAB OF TEXAS

Prepared for:

Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312

Project: Champion Technologies, Inc.

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
Area 2 Stockpile 1-A	0204312-01	SOIL	08/22/2002	08/23/2002
Area 2 Stockpile 1-B	0204312-02	SOIL	08/22/2002	08/23/2002
Area 2 Stockpile 2-A	0204312-03	SOIL	08/22/2002	08/23/2002
Area 2 Stockpile 2-B	0204312-04	SOIL	08/22/2002	08/23/2002

Phenol surrogate recoveries were low. Samples were rerun with same results. Spike recoveries were within range, therefore low surrogate recoveries due to matrix interference.

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By:

Ralanda J. Smith

Environmental Lab of Texas I, Ltd.

Date:

9-05-02

12600 West I-20 East
Odessa, Texas 79763

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

COC: 136

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Sampler Signature: Marcelo Campos

PO #:

[illegible]

Summary Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 10, 2002

Order ID Number: A02092418

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs,NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
208671	Soil Sample #1	Soil	9/24/02	9:40	9/24/02
208672	Soil Sample #4	Soil	9/20/02	9:20	9/24/02
208673	Soil Sample #8	Soil	9/20/02	9:05	9/24/02
208674	Soil Sample #11	Soil	9/20/02	9:30	9/24/02
208675	Soil Sample #27	Soil	9/20/02	8:45	9/24/02

0 This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample: 208671 - Soil Sample #1

Param	Flag	Result	Units
Total Chromium		3.56	mg/Kg

Sample: 208672 - Soil Sample #4

Param	Flag	Result	Units
Chloride		6990	mg/Kg

Sample: 208673 - Soil Sample #8

Param	Flag	Result	Units
Chloride		738	mg/Kg

Sample: 208674 - Soil Sample #11

Param	Flag	Result	Units
Chloride		145	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 10, 2002 Order Number: A02092418
CH2100 Champion Tech

Page Number: 2 of 2
Hobbs,NM

Sample: 208675 - Soil Sample #27

Param	Flag	Result	Units
Chloride		837	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.

TRACE ANALYSIS, INC.

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El Paso, Texas 79932

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FAX 915•585•4944

E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 10, 2002

Order ID Number: A02092418

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
208671	Soil Sample #1	Soil	9/24/02	9:40	9/24/02
208672	Soil Sample #4	Soil	9/20/02	9:20	9/24/02
208673	Soil Sample #8	Soil	9/20/02	9:05	9/24/02
208674	Soil Sample #11	Soil	9/20/02	9:30	9/24/02
208675	Soil Sample #27	Soil	9/20/02	8:45	9/24/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.

The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of Trace Analysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.

Michael T. Leftwich

Dr. Blair Leftwich, Director

Analytical Report

Sample: 208671 - Soil Sample #1

Analysis: SPLP Metals Analytical Method: S 6010B QC Batch: QC23808 Date Analyzed: 9/27/02
Analyst: RR Preparation Method: SPLP 1312 Prep Batch: PB22216 Date Prepared: 9/25/02

Param	Flag	Result	Units	Dilution	RDL
SPLP Chromium		<0.005	mg/L	1	0.005

Sample: 208672 - Soil Sample #4

Analysis: SPLP Chloride Analytical Method: E 300.0 QC Batch: QC24020 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: 1312 Prep Batch: PB22435 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
SPLP Chloride		10400	mg/L	1	4

Sample: 208673 - Soil Sample #8

Analysis: SPLP Chloride Analytical Method: E 300.0 QC Batch: QC24020 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: 1312 Prep Batch: PB22435 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
SPLP Chloride		2550	mg/L	1	4

Sample: 208674 - Soil Sample #11

Analysis: SPLP Chloride Analytical Method: E 300.0 QC Batch: QC24020 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: 1312 Prep Batch: PB22435 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
SPLP Chloride		671	mg/L	1	4

Sample: 208675 - Soil Sample #27

Analysis: SPLP Chloride Analytical Method: E 300.0 QC Batch: QC24020 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: 1312 Prep Batch: PB22435 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
SPLP Chloride		4800	mg/L	1	4

Quality Control Report Method Blank

Method Blank QCBatch: QC23808

Param	Flag	Results	Units	Reporting Limit
SPLP Chromium		<0.005	mg/L	0.005

Method Blank QCBatch: QC24020

Param	Flag	Results	Units	Reporting Limit
SPLP Chloride		14.03	mg/L	4

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23808

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
SPLP Chromium	0.103	0.103	mg/L	1	0.10	<0.005	103	0	80 - 120	20

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

Laboratory Control Spikes QCBatch: QC24020

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
SPLP Chloride	¹ 25.70	² 25.75	mg/L	1	12.50	14.03	205	0	85 - 115	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC23808

¹Blank soil should be subtracted from the sample. %IA = 93 and RPD = 0.

²Blank soil should be subtracted from the sample. %IA = 93 and RPD = 0.

Report Date: October 10, 2002
CH2100

Order Number: A02092418
Champion Tech

Page Number: 4 of 5
Hobbs,NM

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
SPLP Chromium	0.107	0.106	mg/L	1	0.10	<0.005	107	0	75 - 125	20

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

Matrix Spikes QCBatch: QC24020

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
SPLP Chloride	16040	16240	mg/L	1	6250	10400	90	3	85 - 115	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23808

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chromium		mg/L	0.20	0.198	99	90 - 110	9/27/02

ICV (1) QCBatch: QC23808

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chromium		mg/L	0.20	0.199	99	90 - 110	9/27/02

CCV (1) QCBatch: QC24020

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chloride		mg/L	12.50	11.76	94	85 - 115	10/8/02

ICV (1) QCBatch: QC24020

Report Date: October 10, 2002
CH2100

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Champion Tech

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Hobbs,NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chloride		mg/L	12.50	11.82	94	85 - 115	10/8/02

TRACE ANALYSIS, INC.

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Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 10, 2002

Order ID Number: A02092418

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
208671	Soil Sample #1	Soil	9/24/02	9:40	9/24/02
208672	Soil Sample #4	Soil	9/20/02	9:20	9/24/02
208673	Soil Sample #8	Soil	9/20/02	9:05	9/24/02
208674	Soil Sample #11	Soil	9/20/02	9:30	9/24/02
208675	Soil Sample #27	Soil	9/20/02	8:45	9/24/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH. The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of Trace Analysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.


Dr. Blair Leftwich, Director

Analytical Report

Sample: 208671 - Soil Sample #1

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23775 Date Analyzed: 9/25/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22201 Date Prepared: 9/24/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		3.56	mg/Kg	100	0.01

Sample: 208672 - Soil Sample #4

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23887 Date Analyzed: 9/30/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22331 Date Prepared: 9/30/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		6990	mg/Kg	500	1

Sample: 208673 - Soil Sample #8

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23887 Date Analyzed: 9/30/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22331 Date Prepared: 9/30/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		738	mg/Kg	50	1

Sample: 208674 - Soil Sample #11

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23887 Date Analyzed: 9/30/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22331 Date Prepared: 9/30/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		145	mg/Kg	5	1

Sample: 208675 - Soil Sample #27

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23887 Date Analyzed: 9/30/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22331 Date Prepared: 9/30/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		837	mg/Kg	50	1

Report Date: October 10, 2002
CH2100

Order Number: A02092418
Champion Tech

Page Number: 3 of 5
Hobbs, NM

Quality Control Report Method Blank

Method Blank QCBatch: QC23775

Param	Flag	Results	Units	Reporting Limit
Total Chromium		<0.010	mg/Kg	0.01

Method Blank QCBatch: QC23887

Param	Flag	Results	Units	Reporting Limit
Chloride		17.49	mg/Kg	1

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23775

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Chromium	10.6	10.5	mg/Kg	100	10	<0.010	106	0	75 - 125	20
Total Iron	254	140	mg/Kg	100	50	0.801	5	58	75 - 125	20

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

Laboratory Control Spikes QCBatch: QC23887

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	¹ 29.66	² 29.38	mg/Kg	1	12.50	17.49	237	0	90 - 110	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC23775

¹Soil blank should be subtracted from the blank spikes. %EA = 97 and RPD = 1.

²Soil blank should be subtracted from the blank spikes. %EA = 97 and RPD = 1.

Report Date: October 10, 2002
CH2100

Order Number: A02092418
Champion Tech

Page Number: 4 of 5
Hobbs,NM

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Chromium	12.5	12.7	mg/Kg	100	10	3.56	89	2	75 - 125	20

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

Matrix Spikes QCBatch: QC23887

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	12810	12870	mg/Kg	1	6250	6990	93	1	35 - 144	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23775

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/Kg	0.20	0.197	98	90 - 110	9/25/02
Total Iron		mg/Kg	1	0.974	97	90 - 110	9/25/02

ICV (1) QCBatch: QC23775

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/Kg	0.20	0.197	98	95 - 105	9/25/02
Total Iron		mg/Kg	1	0.984	98	95 - 105	9/25/02

CCV (1) QCBatch: QC23887

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.72	93	90 - 110	9/30/02

ICV (1) QCBatch: QC23887

Report Date: October 10, 2002
CH2100

Order Number: A02092418
Champion Tech

Page Number: 5 of 5
Hobbs,NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.73	93	90 - 110	9/30/02

208671-75

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TraceAnalysis, Inc.

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Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # AD2092418

ANALYSIS REQUEST

(Circle or Specify Method No.)

Company Name: E.T.G.I. Phone #: 915-522-1139
Address: (Street, City, Zip) 4600 W. Wall, Midland, Tx 79703 Fax #: 915-522-4315
Contact Person: Todd Choban
Invoice to: (If different from above)
Project #: CH2100 Project Name: Champion Technology
Project Location: Hobbs, N.M. Sampler Signature: Mauro Campos

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba C	TCLP Metals Ag As Ba C	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/6242	GC/MS Semi. Vol. 8270C	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Total Chro	Total Chlo	SPLP Chro	SPLP Chlo	Turn Around Time if diff	Hold	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME																						
208671	Soil Sample #1	2	40g	X							X			9/20	0940																X					X	
72	Soil Sample #4	2													0920																	X					
73	Soil Sample #8	2													0945																	X					
74	Soil Sample #11	2													0930																	X					
75	Soil Sample #27	2	✓	✓										9/20	0845																	X			✓		

Relinquished by: Mauro Campos Date: 9-23-02 Time: 0800
Received by: _____ Date: _____ Time: _____
Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____
Relinquished by: _____ Date: _____ Time: _____
Received by: John Choban Date: 9-24-02 Time: 10:00

LAB USE ONLY

Intact (Y) / N
Headspace Y / N
Temp 1 °
Log-in Review mm

REMARKS:

☐ Check If Special Reporting Limits Are Needed

Carrier # FedEx 819228917579

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

ORIGINAL COPY

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 4, 2002
CH2100Order Number: A02092728
Champion TechPage Number: 1 of 1
Hobbs, NM

Summary Report

Todd Choban
E.T.G.I.
PQ Box 4845
Midland, Tx. 79704

Report Date: October 4, 2002

Order ID Number: A02092728

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209103	MW-11-56'	Soil	9/24/02	11:45	9/27/02

0 This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample - Field Code	BTEX					TPH
	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	M,P,O-Xylene (ppm)	Total BTEX (ppm)	TRPHC (ppm)
209103 - MW-11-56'	<0.010	<0.010	<0.010	<0.010	<0.010	<10.0

Sample: 209103 - MW-11-56'

Param	Flag	Result	Units
Chloride		37.6	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		3.35	mg/Kg
Total Lead		1.75	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 4, 2002

Order ID Number: A02092728

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
09103	MW-11-56'	Soil	9/24/02	11:45	9/27/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.

The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

~~This report consists of a total of 7 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.~~

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.

Michael Alford

for

Dr. Blair Leftwich, Director

Analytical Report

Sample: 209103 - MW-11-56'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23844 Date Analyzed: 9/28/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22288 Date Prepared: 9/28/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	1	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.819	mg/Kg	10	1	82	70 - 130
4-BFB		0.846	mg/Kg	10	1	85	70 - 130

Sample: 209103 - MW-11-56'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		37.6	mg/Kg	5	1

Sample: 209103 - MW-11-56'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC23895 Date Analyzed: 10/2/02
Analyst: BC Preparation Method: N/A Prep Batch: PB22341 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

Sample: 209103 - MW-11-56'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23903 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22294 Date Prepared: 9/30/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.01
Total Chromium		3.35	mg/Kg	100	0.01
Total Lead		1.75	mg/Kg	100	0.01

Quality Control Report Method Blank

Method Blank QCBatch: QC23844

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.010	mg/Kg	0.001
Toluene		<0.010	mg/Kg	0.001
Ethylbenzene		<0.010	mg/Kg	0.001
M,P,O-Xylene		<0.010	mg/Kg	0.001
Total BTEX		<0.010	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.854	mg/Kg	10	1	85	70 - 130
4-BFB		0.775	mg/Kg	10	1	77	70 - 130

Method Blank QCBatch: QC23891

Param	Flag	Results	Units	Reporting Limit
Chloride	1	<1.0	mg/L	1

Method Blank QCBatch: QC23895

Param	Flag	Results	Units	Reporting Limit
TRPHC		<10.0	mg/Kg	10

Method Blank QCBatch: QC23903

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<0.050	mg/Kg	0.01
Total Chromium		<0.010	mg/Kg	0.01
Total Lead		<0.010	mg/Kg	0.01

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23844

¹Method blank (matrix) QC Batch 23891 in soil 13.42 mg/Kg the other in water.

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.933	0.887	mg/Kg	10	1	<0.010	93	5	70 - 130	20
Benzene	0.926	0.907	mg/Kg	10	1	<0.010	92	2	70 - 130	20
Toluene	0.901	0.885	mg/Kg	10	1	<0.010	90	1	70 - 130	20
Ethylbenzene	0.897	0.875	mg/Kg	10	1	<0.010	89	2	70 - 130	20
M,P,O-Xylene	2.72	2.71	mg/Kg	10	3	<0.010	90	0	70 - 130	20

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

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.867	0.834	mg/Kg	10	1	86	83	70 - 130
4-BFB	0.836	0.824	mg/Kg	10	1	83	82	70 - 130

Laboratory Control Spikes

QCBatch: QC23891

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	² 25.55	³ 25.22	mg/Kg	1	12.50	<1.0	95	0	90 - 110	20

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

Laboratory Control Spikes

QCBatch: QC23895

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	248	249	mg/Kg	1	250	<10.0	99	0	74 - 110	20

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

Laboratory Control Spikes

QCBatch: QC23903

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	50.4	52.9	mg/Kg	100	50	<0.050	100	4	75 - 125	20
Total Chromium	9.54	9.82	mg/Kg	100	10	<0.010	95	2	75 - 125	20
Total Lead	46.8	48.5	mg/Kg	100	50	<0.010	93	3	75 - 125	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC23844

²Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

³Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Benzene	0.868	0.78	mg/Kg	10	1	<0.010	86	10	70 - 130	20
Toluene	0.859	0.795	mg/Kg	10	1	<0.010	85	7	70 - 130	20
Ethylbenzene	0.862	0.806	mg/Kg	10	1	<0.010	86	6	70 - 130	20
M,P,O-Xylene	2.7	2.53	mg/Kg	10	3	0.0563	88	6	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
TFT	⁴ 0.522	⁵ 0.402	mg/Kg	10	1	52	40	70 - 130
4-BFB	⁶ 0.626	⁷ 0.505	mg/Kg	10	1	62	50	70 - 130

Matrix Spikes QCBatch: QC23891

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	1150	1160	mg/Kg	1	625	575	92	1	35 - 144	20

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

Matrix Spikes QCBatch: QC23895

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	236	250	mg/Kg	1	250	11.7	89	6	70 - 130	20

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

Matrix Spikes QCBatch: QC23903

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	55.8	52.5	mg/Kg	100	50	<5.00	111	6	75 - 125	20
Total Chromium	12.8	12.5	mg/Kg	100	10	3.35	94	3	75 - 125	20
Total Lead	51.4	52.5	mg/Kg	100	50	1.75	99	2	75 - 125	20

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

Quality Control Report Continuing Calibration Verification Standards

⁴Low MS/MSD surrogate recovery due to prep. LCS, LCSD show the method to be in control.

⁵Low MS/MSD surrogate recovery due to prep. LCS, LCSD show the method to be in control.

⁶Low MS/MSD surrogate recovery due to prep. LCS, LCSD show the method to be in control.

⁷Low MS/MSD surrogate recovery due to prep. LCS, LCSD show the method to be in control.

CCV (1) QCBatch: QC23844

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0887	89	85 - 115	9/28/02
Benzene		mg/L	0.10	0.0923	92	85 - 115	9/28/02
Toluene		mg/L	0.10	0.091	91	85 - 115	9/28/02
Ethylbenzene		mg/L	0.10	0.0897	90	85 - 115	9/28/02
M,P,O-Xylene		mg/L	0.30	0.272	91	85 - 115	9/28/02

CCV (2) QCBatch: QC23844

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.092	92	85 - 115	9/28/02
Benzene		mg/L	0.10	0.0949	94	85 - 115	9/28/02
Toluene		mg/L	0.10	0.0933	93	85 - 115	9/28/02
Ethylbenzene		mg/L	0.10	0.0907	90	85 - 115	9/28/02
M,P,O-Xylene		mg/L	0.30	0.276	92	85 - 115	9/28/02

ICV (1) QCBatch: QC23844

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0919	92	85 - 115	9/28/02
Benzene		mg/L	0.10	0.0939	94	85 - 115	9/28/02
Toluene		mg/L	0.10	0.0938	94	85 - 115	9/28/02
Ethylbenzene		mg/L	0.10	0.0932	93	85 - 115	9/28/02
M,P,O-Xylene		mg/L	0.30	0.288	96	85 - 115	9/28/02

CCV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.85	94	90 - 110	10/1/02

ICV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.88	95	90 - 110	10/1/02

CCV (1) QCBatch: QC23895

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	101	101	80 - 120	10/2/02

CCV (2) QCBatch: QC23895

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	101	101	80 - 120	10/2/02

ICV (1) QCBatch: QC23895

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	101	101	80 - 120	10/2/02

CCV (1) QCBatch: QC23903

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	0.973	97	90 - 110	10/2/02
Total Chromium		mg/L	0.20	0.193	96	90 - 110	10/2/02
Total Lead		mg/L	1	0.950	95	90 - 110	10/2/02

ICV (1) QCBatch: QC23903

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	0.975	97	95 - 105	10/2/02
Total Chromium		mg/L	0.20	0.195	97	95 - 105	10/2/02
Total Lead		mg/L	1	0.955	95	95 - 105	10/2/02

901 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
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1 (800) 378-1296

TraceAnalysis, Inc.

155 McCulloch, Suite M
El Paso, Texas 79902
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # HD204272X

Company Name: **ETGI** Phone #: **(915) 522-1139**
 Address: (Street, City, Zip) **4600 W. Wall 79703** Fax #: **(915) 520-4310**
 Contact Person: ~~Chad Choban~~ **Todd Choban**
 Title: (Different from above) ~~Chad Choban~~
 Project #: **CH2100** Project Name: **Champion**
 Project Location: **Hobbs** Sampler Signature: **Jessie Hernandez**

ANALYSIS REQUEST

(Circle or Specify Method No.)

[illegible]

Requested by:	Date:	Time:	Received by:	Date:	Time:
<i>W. J. H. H. H.</i>	9-25-02	1730	<i>W. J. H. H. H.</i>	09-25-02	1730

Squished by: Henry Date: 09-26-02 Time: 1130
 Received by: Helen Shelton Date: 9/26/02 Time: 1130

Requested by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
Len Shelton	09/26/02	1830	Ken Hensler	9-27-02	10:00

LAB USE ONLY

Intact Y: N

Headspace Y. J. N

Temp: 7

Log-in Review 44

Carrier #

REMARKS:

REMARKS:
Call Todd with questions

☐ Check If Special Reporting Limits Are Needed

Initial of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 2/ Samples

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 4, 2002 Order Number: A02092727
CH2100 Champion TechPage Number: 1 of 1
Hobbs, NM

Summary Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 4, 2002

Order ID Number: A02092727

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209090	MW-12-15'	Soil	9/25/02	9:22	9/27/02
209093	MW-12-45'	Soil	9/25/02	10:08	9/27/02

0 This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample - Field Code	BTEX					TPH TRPHC (ppm)
	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	M,P,O-Xylene (ppm)	Total BTEX (ppm)	
209090 - MW-12-15'	<0.010	<0.010	<0.010	<0.010	<0.010	<10.0
209093 - MW-12-45'	<0.010	<0.010	<0.010	<0.010	<0.010	11.7

Sample: 209090 - MW-12-15'

Param	Flag	Result	Units
Chloride		390	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		2.61	mg/Kg
Total Lead		1.70	mg/Kg

Sample: 209093 - MW-12-45'

Param	Flag	Result	Units
Chloride		43.7	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		4.55	mg/Kg
Total Lead		1.44	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.

✓
10/14/02

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 4, 2002

Order ID Number: A02092727

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to TraceAnalysis, Inc.


Sample	Description	Matrix	Date Taken	Time Taken	Date Received
09090	MW-12-15'	Soil	9/25/02	9:22	9/27/02
09093	MW-12-45'	Soil	9/25/02	10:08	9/27/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.

The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.


Dr. Blair Leftwich, Director

Report Date: October 4, 2002
CH2100

Order Number: A02092727
Champion Tech

Page Number: 2 of 11
Hobbs,NM

Analytical Report

Sample: 209090 - MW-12-15'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23913 Date Analyzed: 10/2/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22346 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.868	mg/Kg	10	1	87	70 - 130
4-BFB		0.814	mg/Kg	10	1	81	70 - 130

Sample: 209090 - MW-12-15'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23890 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22335 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		390	mg/Kg	50	1

Sample: 209090 - MW-12-15'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC23895 Date Analyzed: 10/2/02
Analyst: BC Preparation Method: N/A Prep Batch: PB22341 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

Sample: 209090 - MW-12-15'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23903 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22294 Date Prepared: 9/30/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.01
Total Chromium		2.61	mg/Kg	100	0.01
Total Lead		1.70	mg/Kg	100	0.01

Sample: 209093 - MW-12-45'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23844 Date Analyzed: 9/28/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22288 Date Prepared: 9/28/02

Report Date: October 4, 2002
CH2100

Order Number: A02092727
Champion Tech

Page Number: 3 of 11
Hobbs,NM

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.818	mg/Kg	10	1	82	70 - 130
4-BFB		0.852	mg/Kg	10	1	85	70 - 130

Sample: 209093 - MW-12-45'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		43.7	mg/Kg	5	1

Sample: 209093 - MW-12-45'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC23895 Date Analyzed: 10/2/02
Analyst: BC Preparation Method: N/A Prep Batch: PB22341 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		11.7	mg/Kg	1	10

Sample: 209093 - MW-12-45'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23903 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22294 Date Prepared: 9/30/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.01
Total Chromium		4.55	mg/Kg	100	0.01
Total Lead		1.44	mg/Kg	100	0.01

Quality Control Report Method Blank

Method Blank QCBatch: QC23844

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.010	mg/Kg	0.001
Toluene		<0.010	mg/Kg	0.001
Ethylbenzene		<0.010	mg/Kg	0.001
M,P,O-Xylene		<0.010	mg/Kg	0.001
Total BTEX		<0.010	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.854	mg/Kg	10	1	85	70 - 130
4-BFB		0.775	mg/Kg	10	1	77	70 - 130

Method Blank QCBatch: QC23890

Param	Flag	Results	Units	Reporting Limit
Chloride		13.31	mg/Kg	1

Method Blank QCBatch: QC23891

Param	Flag	Results	Units	Reporting Limit
Chloride	1	<1.0	mg/L	1

Method Blank QCBatch: QC23895

Param	Flag	Results	Units	Reporting Limit
TRPHC		<10.0	mg/Kg	10

Method Blank QCBatch: QC23903

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<0.050	mg/Kg	0.01
Total Chromium		<0.010	mg/Kg	0.01

Continued ...

¹Method blank (matrix) QC Batch 23891 in soil 13.42 mg/Kg the other in water.

. Continued

Param	Flag	Results	Units	Reporting Limit
Total Lead		<0.010	mg/Kg	0.01

Method Blank QCBatch: QC23913

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.010	mg/Kg	0.001
Toluene		<0.010	mg/Kg	0.001
Ethylbenzene		<0.010	mg/Kg	0.001
M,P,O-Xylene		<0.010	mg/Kg	0.001
Total BTEX		<0.010	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		1.01	mg/Kg	10	1	101	70 - 130
4-BFB		0.902	mg/Kg	10	1	90	70 - 130

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23844

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.933	0.887	mg/Kg	10	1	<0.010	93	5	70 - 130	20
Benzene	0.926	0.907	mg/Kg	10	1	<0.010	92	2	70 - 130	20
Toluene	0.901	0.885	mg/Kg	10	1	<0.010	90	1	70 - 130	20
Ethylbenzene	0.897	0.875	mg/Kg	10	1	<0.010	89	2	70 - 130	20
M,P,O-Xylene	2.72	2.71	mg/Kg	10	3	<0.010	90	0	70 - 130	20

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

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.867	0.834	mg/Kg	10	1	86	83	70 - 130
4-BFB	0.836	0.824	mg/Kg	10	1	83	82	70 - 130

Laboratory Control Spikes QCBatch: QC23890

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	² 25.27	³ 25.27	mg/Kg	1	6.25	13.31	404	0	90 - 110	20

²Soil blank should be subtracted from the blank spikes. %EA = 96 and RPD = 0.

³Soil blank should be subtracted from the blank spikes. %EA = 96 and RPD = 0.

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

Laboratory Control Spikes QCBatch: QC23891

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	⁴ 25.55	⁵ 25.22	mg/Kg	1	12.50	<1.0	95	0	90 - 110	20

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

Laboratory Control Spikes QCBatch: QC23895

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	248	249	mg/Kg	1	250	<10.0	99	0	74 - 110	20

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

Laboratory Control Spikes QCBatch: QC23903

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	50.4	52.9	mg/Kg	100	50	<0.050	100	4	75 - 125	20
Total Chromium	9.54	9.82	mg/Kg	100	10	<0.010	95	2	75 - 125	20
Total Lead	46.8	48.5	mg/Kg	100	50	<0.010	93	3	75 - 125	20

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

Laboratory Control Spikes QCBatch: QC23913

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.909	0.927	mg/Kg	10	1	<0.010	90	1	70 - 130	20
Benzene	0.958	0.956	mg/Kg	10	1	<0.010	95	0	70 - 130	20
Toluene	0.966	0.961	mg/Kg	10	1	<0.010	96	0	70 - 130	20
Ethylbenzene	0.972	0.968	mg/Kg	10	1	<0.010	97	0	70 - 130	20
M,P,O-Xylene	2.85	2.83	mg/Kg	10	3	<0.010	95	0	70 - 130	20

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

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.991	0.974	mg/Kg	10	1	99	97	70 - 130
4-BFB	0.930	0.935	mg/Kg	10	1	93	93	70 - 130

Quality Control Report

⁴Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

⁵Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC23844

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Benzene	0.868	0.78	mg/Kg	10	1	<0.010	86	10	70 - 130	20
Toluene	0.859	0.795	mg/Kg	10	1	<0.010	85	7	70 - 130	20
Ethylbenzene	0.862	0.806	mg/Kg	10	1	<0.010	86	6	70 - 130	20
M,P,O-Xylene	2.7	2.53	mg/Kg	10	3	0.0563	88	6	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
TFT	⁶ 0.522	⁷ 0.402	mg/Kg	10	1	52	40	70 - 130
4-BFB	⁸ 0.626	⁹ 0.505	mg/Kg	10	1	62	50	70 - 130

Matrix Spikes QCBatch: QC23890

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	962	961	mg/Kg	1	625	390	91	0	35 - 144	20

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

Matrix Spikes QCBatch: QC23891

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	1150	1160	mg/Kg	1	625	575	92	1	35 - 144	20

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

Matrix Spikes QCBatch: QC23895

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	236	250	mg/Kg	1	250	11.7	89	6	70 - 130	20

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

⁶Low MS/MSD surrogate recovery due to prep. LCS, LCSD show the method to be in control.

⁷Low MS/MSD surrogate recovery due to prep. LCS, LCSD show the method to be in control.

⁸Low MS/MSD surrogate recovery due to prep. LCS, LCSD show the method to be in control.

⁹Low MS/MSD surrogate recovery due to prep. LCS, LCSD show the method to be in control.

Matrix Spikes QCBatch: QC23903

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	55.8	52.5	mg/Kg	100	50	<5.00	111	6	75 - 125	20
Total Chromium	12.8	12.5	mg/Kg	100	10	3.35	94	3	75 - 125	20
Total Lead	51.4	52.5	mg/Kg	100	50	1.75	99	2	75 - 125	20

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

Matrix Spikes QCBatch: QC23913

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Benzene	0.802	0.793	mg/Kg	10	1	<0.010	80	1	70 - 130	20
Toluene	0.816	0.808	mg/Kg	10	1	<0.010	81	0	70 - 130	20
Ethylbenzene	0.842	0.839	mg/Kg	10	1	<0.010	84	0	70 - 130	20
M,P,O-Xylene	2.45	2.45	mg/Kg	10	3	<0.010	81	0	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
TFT	0.844	0.81	mg/Kg	10	1	84	81	70 - 130
4-BFB	0.804	0.79	mg/Kg	10	1	80	79	70 - 130

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23844

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0887	89	85 - 115	9/28/02
Benzene		mg/L	0.10	0.0923	92	85 - 115	9/28/02
Toluene		mg/L	0.10	0.091	91	85 - 115	9/28/02
Ethylbenzene		mg/L	0.10	0.0897	90	85 - 115	9/28/02
M,P,O-Xylene		mg/L	0.30	0.272	91	85 - 115	9/28/02

CCV (2) QCBatch: QC23844

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.092	92	85 - 115	9/28/02
Benzene		mg/L	0.10	0.0949	94	85 - 115	9/28/02

Continued ...

Continued

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Toluene		mg/L	0.10	0.0933	93	85 - 115	9/28/02
Ethylbenzene		mg/L	0.10	0.0907	90	85 - 115	9/28/02
M,P,O-Xylene		mg/L	0.30	0.276	92	85 - 115	9/28/02

ICV (1) QCBatch: QC23844

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0919	92	85 - 115	9/28/02
Benzene		mg/L	0.10	0.0939	94	85 - 115	9/28/02
Toluene		mg/L	0.10	0.0938	94	85 - 115	9/28/02
Ethylbenzene		mg/L	0.10	0.0932	93	85 - 115	9/28/02
M,P,O-Xylene		mg/L	0.30	0.288	96	85 - 115	9/28/02

CCV (1) QCBatch: QC23890

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.91	95	90 - 110	10/1/02

ICV (1) QCBatch: QC23890

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.85	94	90 - 110	10/1/02

CCV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.85	94	90 - 110	10/1/02

CV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.88	95	90 - 110	10/1/02

CCV (1) QCBatch: QC23895

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	101	101	80 - 120	10/2/02

CCV (2) QCBatch: QC23895

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	101	101	80 - 120	10/2/02

CCV (1) QCBatch: QC23895

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	101	101	80 - 120	10/2/02

CCV (1) QCBatch: QC23903

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	0.973	97	90 - 110	10/2/02
Total Chromium		mg/L	0.20	0.193	96	90 - 110	10/2/02
Total Lead		mg/L	1	0.950	95	90 - 110	10/2/02

ICV (1) QCBatch: QC23903

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	0.975	97	95 - 105	10/2/02
Total Chromium		mg/L	0.20	0.195	97	95 - 105	10/2/02
Total Lead		mg/L	1	0.955	95	95 - 105	10/2/02

CCV (1) QCBatch: QC23913

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0921	92	85 - 115	10/2/02
Benzene		mg/L	0.10	0.0947	95	85 - 115	10/2/02
Toluene		mg/L	0.10	0.0947	95	85 - 115	10/2/02
Ethylbenzene		mg/L	0.10	0.0958	96	85 - 115	10/2/02
M,P,O-Xylene		mg/L	0.30	0.282	94	85 - 115	10/2/02

CCV (2) QCBatch: QC23913

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.088	88	85 - 115	10/2/02
Benzene		mg/L	0.10	0.092	92	85 - 115	10/2/02
Toluene		mg/L	0.10	0.092	92	85 - 115	10/2/02
Ethylbenzene		mg/L	0.10	0.092	92	85 - 115	10/2/02
M,P,O-Xylene		mg/L	0.30	0.267	89	85 - 115	10/2/02

ICV (1) QCBatch: QC23913

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0932	93	85 - 115	10/2/02
Benzene		mg/L	0.10	0.0957	96	85 - 115	10/2/02
Toluene		mg/L	0.10	0.0965	96	85 - 115	10/2/02
Ethylbenzene		mg/L	0.10	0.0973	97	85 - 115	10/2/02
M,P,O-Xylene		mg/L	0.30	0.286	95	85 - 115	10/2/02

TraceAnalysis, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Phone #: 915-522-1139

Fax #: 915-520-4310

Invoice to:
(If different from above)

Project #: CH2100

Project Location: Hobbs, NM

Project Name:

Champion

Sampler Signature

[illegible]

Received by: John Shelton Date: 9/26/02 Time: 1130

Received by:	Date:	Time:
--------------	-------	-------

Relinquished by: _____ Date: _____ Time: _____

Received at Laboratory by W. C. Cunniff Date: 10-9-2702 Time: 10:00

LAB USE ONLY

Intact Y / N

Headspace Y / NTemp. 4

Working Review: NA

REMARKS:

Please Call Todd if there are any questions.

☐ Check If Special Reporting Limits Are Needed

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

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15 samples

Carrier # MOBILE 11111111111111111111

10/04/2002

15:19

8067941298

TRACE ANALYSIS

PAGE 02

TRACE ANALYSIS, INC.

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CORRECTED CERTIFICATE

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: November 11, 2002

Order ID Number: A02093010

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

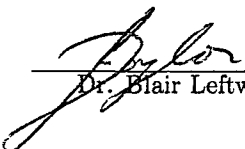
Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209239	MW-14-5	Soil	9/25/02	14:10	9/28/02
209240	MW-14 30	Soil	9/25/02	14:43	9/28/02
209244	MW-14 50	Soil	9/25/02	17:08	9/28/02

Comment: LCS had the wrong % recovery needed to be corrected. Matrix Blank was added for chloride.

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH. The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.


Dr. Blair Leftwich, Director

Analytical Report

Sample: 209239 - MW-14-5

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		61.4	mg/Kg	5	1

Sample: 209239 - MW-14-5

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23898 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3051 Prep Batch: PB22328 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		4.28	mg/Kg	100	0.01
Total Lead		3.69	mg/Kg	100	0.01

Sample: 209240 - MW-14 30

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		575	mg/Kg	50	1

Sample: 209240 - MW-14 30

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23898 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3051 Prep Batch: PB22328 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		4.04	mg/Kg	100	0.01
Total Lead		2.52	mg/Kg	100	0.01

Sample: 209244 - MW-14 50

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		127	mg/Kg	5	1

Sample: 209244 - MW-14 50

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23898 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22328 Date Prepared: 10/1/02

✓

Report Date: November 11, 2002
CH2100

Order Number: A02093010
Champion Tech

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Hobbs,NM

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		3.21	mg/Kg	100	0.01
Total Lead		2.32	mg/Kg	100	0.01

Quality Control Report Method Blank

Method Blank QCBatch: QC23891

Param	Flag	Results	Units	Reporting Limit
Chloride	1	<1.0	mg/L	1

Method Blank QCBatch: QC23898

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<0.050	mg/Kg	0.05
Total Chromium		<0.010	mg/Kg	0.01
Total Lead		<0.010	mg/Kg	0.01

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23891

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	² 25.55	³ 25.22	mg/Kg	1	12.50	<1.0	95	0	90 - 110	20

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

Laboratory Control Spikes QCBatch: QC23898

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	52.3	53.2	mg/Kg	100	50	<0.050	104	1	75 - 125	20
Total Chromium	9.65	9.63	mg/Kg	100	10	<0.010	96	0	75 - 125	20
Total Lead	47.8	47.4	mg/Kg	100	50	<0.010	95	0	75 - 125	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC23891

¹Method blank (matrix) QC Batch 23891 in soil 13.42 mg/Kg the other in water.

²Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

³Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

Report Date: November 11, 2002
CH2100

Order Number: A02093010
Champion Tech

Page Number: 5 of 6
Hobbs,NM

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	1150	1160	mg/Kg	1	625	575	92	1	35 - 144	20

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

Matrix Spikes QCBatch: QC23898

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	56.9	55.1	mg/Kg	100	50	<5.00	113	3	75 - 125	20
Total Chromium	13.2	13.5	mg/Kg	100	10	4.28	89	3	75 - 125	20
Total Lead	52.1	53.7	mg/Kg	100	50	3.69	96	3	75 - 125	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.85	94	90 - 110	10/1/02

ICV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.88	95	90 - 110	10/1/02

CCV (1) QCBatch: QC23898

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	1.00	100	90 - 110	10/2/02
Total Chromium		mg/Kg	0.20	0.195	98	90 - 110	10/2/02
Total Lead		mg/Kg	1	0.966	97	90 - 110	10/2/02

ICV (1) QCBatch: QC23898

Report Date: November 11, 2002
CH2100

Order Number: A02093010
Champion Tech

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Hobbs,NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	0.980	98	95 - 105	10/2/02
Total Chromium		mg/Kg	0.20	0.195	98	95 - 105	10/2/02
Total Lead		mg/Kg	1	0.966	97	95 - 105	10/2/02

209239-

Page 1 of 1

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # AD2093010

Company Name: ETGI Phone #: (915) 522-1139
Address: (Street, City, Zip) 4600 W. Wall Midland Fax #: (915) 520-4310
Contact Person: Todd Chapman
Voice to: CH2100
Project #: CH2100 Project Name:
Project Location: Sampler Signature: [Signature]

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # LAB USE ONLY	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
209239	MW-14 5'	3			X							X		9-25	1410		
40	MW-14 30'	1													1443		
41	MW-14 35'	2													1458		X
42	MW-14 40'	1													1612		X
43	MW-14 45'	3													1630		X
44	MW-14 50'	2													1708		

Relinquished by: [Signature] Date: 9/27/02 Time: 1500
Received by: [Signature] Date: 9/27/02 Time: 1500
Relinquished by: [Signature] Date: 9/27/02 Time: 1830
Received by: [Signature] Date: 9/27/02 Time: 1830
Relinquished by: [Signature] Date: 9/27/02 Time: 1830
Received at Laboratory by: [Signature] Date: 9/27/02 Time: 1830

LAB USE ONLY

Intact Y/NHeadspace Y/NTemp 60CLog-in Review [Signature]Carrier # [Signature]REMARKS: Standard 5 day turnaround

10/3 FIP 11/11 FIP

☐ Check If Special Reporting Limits Are Needed

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

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12 samples HS

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 3, 2002
CH2100Order Number: A02093013
Champion TechPage Number: 1 of 1
Hobbs, NM

Summary Report

Tbddd Chohan
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 3, 2002

Order ID Number: A02093013

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209257	Old Leach Line 9 + 4.5'	Soil	9/25/02	17:15	9/28/02
209258	Old Leach 22' + 5'	Soil	9/25/02	17:12	9/28/02

0 This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample: 209257 - Old Leach Line 9 + 4.5'

Param	Flag	Result	Units
Total Chromium		10.2	mg/Kg

Sample: 209258 - Old Leach 22' + 5'

Param	Flag	Result	Units
Total Chromium		4.20	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.

✓ 10/14

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 17, 2002

Order ID Number: A02093013

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
09257	Old Leach Line 9 + 4.5'	Soil	9/25/02	17:15	9/28/02
09258	Old Leach 22' + 5'	Soil	9/25/02	17:12	9/28/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH. The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

~~This report consists of a total of 4 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.~~

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.

Dr. Blair Leftwich, Director

Report Date: October 17, 2002
CH2100

Order Number: A02093013
Champion Tech

Page Number: 2 of 4
Hobbs,NM

Analytical Report

Sample: 209257 - Old Leach Line 9 + 4.5'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23898 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22328 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		10.2	mg/Kg	100	0.01

Sample: 209258 - Old Leach 22' + 5'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23898 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22328 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		4.20	mg/Kg	100	0.01

Quality Control Report Method Blank

Method Blank QCBatch: QC23898

Param	Flag	Results	Units	Reporting Limit
Total Chromium		<0.010	mg/Kg	0.01

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23898

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	52.3	53.2	mg/Kg	100	50	<0.050	104	1	75 - 125	20
Total Chromium	9.65	9.63	mg/Kg	100	10	<0.010	96	0	75 - 125	20
Total Lead	47.8	47.4	mg/Kg	100	50	<0.010	95	0	75 - 125	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC23898

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Chromium	13.2	13.5	mg/Kg	100	10	4.28	89	3	75 - 125	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23898

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	1.00	100	90 - 110	10/2/02
Total Chromium		mg/Kg	0.20	0.195	98	90 - 110	10/2/02
Total Lead		mg/Kg	1	0.966	97	90 - 110	10/2/02

Report Date: October 17, 2002
CH2100

Order Number: A02093013
Champion Tech

Page Number: 4 of 4
Hobbs,NM

CV (1)

QCBatch: QC23898

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	0.980	98	95 - 105	10/2/02
Total Chromium		mg/Kg	0.20	0.195	98	95 - 105	10/2/02
Total Lead		mg/Kg	1	0.966	97	95 - 105	10/2/02

209257-0

Page 1

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TraceAnalysis, Inc.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # AD2043013

Company Name: ETG I

Phone #: (915) 522-1139

Address: (Street, City, Zip)

4600 W. Wall Midland

Fax #: (915) 520-4310

Contact Person: Todd Chohan

Voice to:
different from above)

Object #: CH2100

Project Name: Chohan

Object Location:

Sampler Signature: [Signature]

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # LAB USE ONLY	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 8010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/824	GC/MS Semi. Vol. 8270C/825	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE																					
209257	Old Leach Line 9x4.5'	1	402		X							X				9/25	1715																	
58	11' x 22' x 5'	1															1712																	
59	11' x 50' x 5'	1															1701																	X
60	100' x 4.5'	1															1652																	X

Relinquished by: [Signature] Date: 9/27/02 Time: 1500

Received by: Helen Shelton Date: 9/27/02 Time: 1500

Relinquished by: Helen Shelton Date: 9/27/02 Time: 1830

Received by: [Signature] Date: 9/28/02 Time: 9:00

Relinquished by: [Signature] Date: 9/28/02 Time: 9:00

Received at Laboratory by: [Signature] Date: 9/28/02 Time: 9:00

LAB USE ONLY

Intact: Y/N

Headspace: Y/N

Temp: 22

Log-In Review: [Signature]

Carrier # [Signature]

REMARKS: Standard 5 day
turn around
Questions call
Todd (915) 238-0061
☐ Check if Special Reporting Limits Are Needed

TRACE ANALYSIS, INC.

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El Paso, Texas 79932

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E-Mail: lab@traceanalysis.com

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FAX 806•794•1298
FAX 915•585•4944

CORRECTED CERTIFICATE

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: November 11, 2002

Order ID Number: A02093012

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

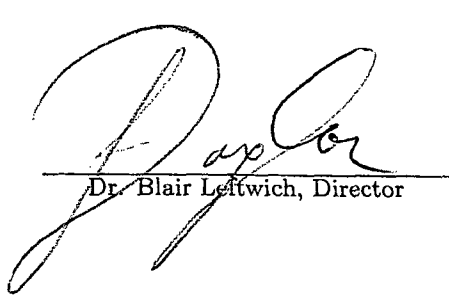
Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209253	Old Leach Line 9'	Soil	9/25/02	17:15	9/25/02
209254	Old Leach Line 22'+5'	Soil	9/25/02	17:12	9/25/02

Comment: LCS had the wrong % recovery needed to be corrected. Matrix Blank was added for chloride.

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH. The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

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Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.


Dr. Blair Leftwich, Director

Report Date: November 11, 2002
CH2100

Order Number: A02093012
Champion Tech

Page Number: 2 of 4
Hobbs, NM

Analytical Report

Sample: 209253 - Old Leach Line 9'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		64.5	mg/Kg	10	1

Sample: 209254 - Old Leach Line 22'+5'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		52.3	mg/Kg	5	1

Quality Control Report Method Blank

Method Blank QCBatch: QC23891

Param	Flag	Results	Units	Reporting Limit
Chloride	1	<1.0	mg/L	1

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23891

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	² 25.55	³ 25.22	mg/Kg	1	12.50	<1.0	95	0	90 - 110	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC23891

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	1150	1160	mg/Kg	1	625	575	92	1	35 - 144	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.85	94	90 - 110	10/1/02

¹Method blank (matrix) QC Batch 23891 in soil 13.42 mg/Kg the other in water.

²Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

³Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

Report Date: November 11, 2002
CH2100

Order Number: A02093012
Champion Tech

Page Number: 4 of 4
Hobbs, NM

ICV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.88	95	90 - 110	10/1/02

TRACE ANALYSIS, INC.

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El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR E.T.G.I.

Attention: Todd Choban
P. O. Box 4845
Midland, TX 79704


Lab Receiving #: A02100208
Sampling Date: 09/27/2002
Sample Condition: Intact and Cool
Sample Received by: VH
Project Name: Champion Tech

November 06, 2002
Receiving Date: 10/02/2002
Sample Type: Soil
Project Number: CH2100
Project Location: Hobbs, NM

T209424 - SB-58 10'

SAMPLE	CONC.	COMPOUND	MDL *DF	CONC.
Sample # 209424 has a	23.6 mg/Kg of	Naphthalene,	which is higher than MDL 0.005, but lower than the RDL.	0.0 mg/Kg was present in the Method Blank.
Sample # 209424 has a	3 mg/Kg of	Benzo [A] anthracene,	which is higher than MDL 0.0055, but lower than the RDL.	0.0 mg/Kg was present in the Method Blank.
Sample # 209424 has a	6.3 mg/Kg of	Chrysene,	which is higher than MDL 0.0071, but lower than the RDL.	0.0 mg/Kg was present in the Method Blank.
Sample # 209424 has a	0.96 mg/Kg of	Benzo [B] fluoranthene,	which is higher than MDL 0.0059, but lower than the RDL.	0.0 mg/Kg was present in the Method Blank.
Sample # 209424 has a	0.9 mg/Kg of	Benzo [K] fluoranthene,	which is higher than MDL 0.0061, but lower than the RDL.	0.0 mg/Kg was present in the Method Blank.
Sample # 209424 has a	1.17 mg/Kg of	Benzo [A] pyrene,	which is higher than MDL 0.0069, but lower than the RDL.	0.0 mg/Kg was present in the Method Blank.
Sample # 209424 has a	0.3 mg/Kg of	Ideno [1,2,3-cd] pyrene,	which is higher than MDL 0.0073, but lower than the RDL.	0.0 mg/Kg was present in the Method Blank.
Sample # 209424 has a	0.26 mg/Kg of	Dibenzo [A,H] anthracene,	which is higher than MDL 0.0081, but lower than the RDL.	0.0 mg/Kg was present in the Method Blank.

11-6-02
Date


Director, Dr. Blair Leftwich

TRACE ANALYSIS, INC.

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CORRECTED CERTIFICATE

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: November 11, 2002

Order ID Number: A02093011

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209245	MW-15 5	Soil	9/26/02	10:55	9/28/02
209249	MW-15 25	Soil	9/26/02	11:31	9/28/02
209252	MW-15 40	Soil	9/26/02	12:07	9/28/02

Comment: LCS had the wrong % recovery needed to be corrected. Matrix Blank was added for chloride.

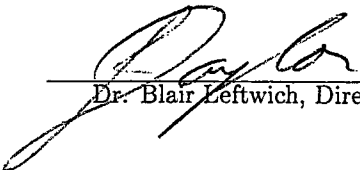
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Note: the RDL is equal to MQL for all organic analytes including TPH.

The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of Trace Analysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.


Dr. Blair Leftwich, Director

Report Date: November 11, 2002
CH2100

Order Number: A02093011
Champion Tech

Page Number: 2 of 5
Hobbs,NM

Analytical Report

Sample: 209245 - MW-15 5

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		46.7	mg/Kg	5	1

Sample: 209245 - MW-15 5

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23898 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22328 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		5.73	mg/Kg	100	0.01

Sample: 209249 - MW-15 25

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		37.4	mg/Kg	5	1

Sample: 209249 - MW-15 25

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23898 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22328 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		2.46	mg/Kg	100	0.01

Sample: 209252 - MW-15 40

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC23891 Date Analyzed: 10/1/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22336 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		137	mg/Kg	5	1

Sample: 209252 - MW-15 40

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23898 Date Analyzed: 10/2/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22328 Date Prepared: 10/1/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		5.88	mg/Kg	100	0.01

✓

Quality Control Report Method Blank

Method Blank QCBatch: QC23891

Param	Flag	Results	Units	Reporting Limit
Chloride	1	<1.0	mg/L	1

Method Blank QCBatch: QC23898

Param	Flag	Results	Units	Reporting Limit
Total Chromium		<0.010	mg/Kg	0.01

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23891

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	² 25.55	³ 25.22	mg/Kg	1	12.50	<1.0	95	0	90 - 110	20

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

Laboratory Control Spikes QCBatch: QC23898

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	52.3	53.2	mg/Kg	100	50	<0.050	104	1	75 - 125	20
Total Chromium	9.65	9.63	mg/Kg	100	10	<0.010	96	0	75 - 125	20
Total Lead	47.8	47.4	mg/Kg	100	50	<0.010	95	0	75 - 125	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC23891

¹Method blank (matrix) QC Batch 23891 in soil 13.42 mg/Kg the other in water.

²Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

³Soil blank should be subtracted from the blank spikes. %EA = 95 and RPD = 0.

Report Date: November 11, 2002
CH2100

Order Number: A02093011
Champion Tech

Page Number: 4 of 5
Hobbs,NM

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	1150	1160	mg/Kg	1	625	575	92	1	35 - 144	20

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

Matrix Spikes QCBatch: QC23898

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Chromium	13.2	13.5	mg/Kg	100	10	4.28	89	3	75 - 125	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.85	94	90 - 110	10/1/02

ICV (1) QCBatch: QC23891

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.88	95	90 - 110	10/1/02

CCV (1) QCBatch: QC23898

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	1.00	100	90 - 110	10/2/02
Total Chromium		mg/Kg	0.20	0.195	98	90 - 110	10/2/02
Total Lead		mg/Kg	1	0.966	97	90 - 110	10/2/02

ICV (1) QCBatch: QC23898

Report Date: November 11, 2002
CH2100

Order Number: A02093011
Champion Tech

Page Number: 5 of 5
Hobbs,NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	0.980	98	95 - 105	10/2/02
Total Chromium		mg/Kg	0.20	0.195	98	95 - 105	10/2/02
Total Lead		mg/Kg	1	0.966	97	95 - 105	10/2/02

209245-5

Page 1 of 1

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El Paso, Texas 79932
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Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A02083011

ANALYSIS REQUEST

(Circle or Specify Method No.)

Company Name: ETGI Phone #: (915) 522-1139Address: (Street, City, Zip) 4600 W. Wall Midland 79703 Fax #: (915) 520-4310Contact Person: Todd ChobanVoice to:
(different from above)Project #: C142100 Project Name: 00000000Project Location: Hobbs/Champron Facility Sampler Signature: Jessie Helton

LAB #	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
209245	MW-15-5'	3	4oz		X							X		9/26	1058		
46	MW-15-10'	3													1108		X
47	MW-15-15'	2													1110		X
48	MW-15-20'	3													1113		X
49	MW-15-25'	2													1131		
50	MW-15-30'	3													1149		X
51	MW-15-35'	1													1155		X
52	MW-15-40'	3													1207		

Relinquished by: Jessie Helton Date: 9/27/02 Time: 1500
Received by: Helen Shelton Date: 9/27/02 Time: 1500

Relinquished by: Helen Shelton Date: 9/27/02 Time: 1830
Received by: Bryce Date: 9/27/02 Time: 1830

Relinquished by: Bryce Date: 9/27/02 Time: 1830
Received at Laboratory by: Bryce Date: 9/27/02 Time: 1830

LAB USE ONLY

Intact (Y) / NHeadspace (Y) / NTemp 106 °CLog-in Review MSCarrier # Dryhound

REMARKS:

Standard 5 day
10/3F turn around
Questions call
Todd 238-0061
11/11 FIP
☐ Check If Special Reporting
Limits Are Needed

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 200 sample-HS

ORIGINAL COPY

Summary Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 16, 2002

Order ID Number: A02100208

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs,NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209421	SB-57 45'	Soil	9/27/02	13:45	10/2/02
209424	SB-58 10'	Soil	9/27/02	10:30	10/2/02
209426	SB-58 25'	Soil	9/27/02	14:05	10/2/02
209428	SB-49 5'	Soil	9/27/02	8:35	10/2/02
209432	SB-49 40'	Soil	9/27/02	9:40	10/2/02
209433	SB-49 50'	Soil	9/27/02	10:15	10/2/02
209437	SB-57 10'	Soil	9/27/02	12:27	10/2/02

0 This report consists of a total of 6 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample - Field Code	BTEX					TPH TRPHC (ppm)
	Benzene (ppm)	Toluene (ppm)	Ethylbenzene (ppm)	M,P,O-Xylene (ppm)	Total BTEX (ppm)	
209421 - SB-57 45'	<0.010	<0.010	<0.010	<0.010	<0.010	<10.0
209424 - SB-58 10'	1.46	4.08	3.27	6.88	15.7	80800
209426 - SB-58 25'	<0.010	<0.010	<0.010	0.0109	0.0109	37.1
209428 - SB-49 5'	<0.010	<0.010	<0.010	<0.010	<0.010	27.9
209432 - SB-49 40'	<0.010	<0.010	<0.010	<0.010	<0.010	<10.0
209433 - SB-49 50'	<0.010	<0.010	<0.010	<0.010	<0.010	98.7
209437 - SB-57 10'	<0.010	<0.010	<0.010	<0.010	<0.010	<10.0

Sample: 209421 - SB-57 45'

Param	Flag	Result	Units
Chloride		491	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		3.11	mg/Kg
Total Lead		<1.00	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.

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CH2100 Champion Tech

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Hobbs,NM

Sample: 209424 - SB-58 10'

Param	Flag	Result	Units
Chloride		713	mg/Kg
Pyridine		<25.00	mg/Kg
n-Nitrosodimethylamine		<25.00	mg/Kg
2-Picoline		<25.00	mg/Kg
Methyl methanesulfonate		<25.00	mg/Kg
Ethyl methanesulfonate		<25.00	mg/Kg
Phenol		<25.00	mg/Kg
Aniline		<25.00	mg/Kg
bis (2-chloroethyl) ether		<25.00	mg/Kg
2-Chlorophenol		<25.00	mg/Kg
1,3-Dichlorobenzene (meta)		<25.00	mg/Kg
1,4-Dichlorobenzene		<25.00	mg/Kg
Benzyl alcohol		<25.00	mg/Kg
1,2-Dichlorobenzene		<25.00	mg/Kg
2-Methylphenol		<25.00	mg/Kg
bis (2-chloroisopropyl) ether		<25.00	mg/Kg
4-Methylphenol/3-Methylphenol		<25.00	mg/Kg
Acetophenone		<25.00	mg/Kg
n-Nitrosodi-n-propylamine		<25.00	mg/Kg
Hexachloroethane		<25.00	mg/Kg
Nitrobenzene		<25.00	mg/Kg
n-Nitrosopiperidine		<25.00	mg/Kg
Isophorone		<25.00	mg/Kg
2-Nitrophenol		<25.00	mg/Kg
2,4-Dimethylphenol		<25.00	mg/Kg
bis (2-chloroethoxy) methane		<25.00	mg/Kg
Benzoic acid		<25.00	mg/Kg
2,4-Dichlorophenol		<25.00	mg/Kg
1,2,4-Trichlorobenzene		<25.00	mg/Kg
a,a-Dimethylphenethylamine		<25.00	mg/Kg
Naphthalene		<25.00	mg/Kg
4-Chloroaniline		<25.00	mg/Kg
2,6-Dichlorophenol		<25.00	mg/Kg
Hexachlorobutadiene		<25.00	mg/Kg
n-Nitroso-di-n-butylamine		<25.00	mg/Kg
4-Chloro-3-methylphenol		<25.00	mg/Kg
1-Methylnaphthalene		30.93	mg/Kg
2-Methylnaphthalene		43.18	mg/Kg
1,2,4,5-Tetrachlorobenzene		<25.00	mg/Kg
Hexachlorocyclopentadiene		<25.00	mg/Kg
2,4,6-Trichlorophenol		<25.00	mg/Kg
2,4,5-Trichlorophenol		<25.00	mg/Kg
2-Chloronaphthalene		<25.00	mg/Kg
1-Chloronaphthalene		<25.00	mg/Kg
2-Nitroaniline		<25.00	mg/Kg
Dimethylphthalate		<25.00	mg/Kg
Acenaphthylene		<25.00	mg/Kg
2,6-Dinitrotoluene		<25.00	mg/Kg
3-Nitroaniline		<25.00	mg/Kg
Acenaphthene		<25.00	mg/Kg
2,4-Dinitrophenol		<25.00	mg/Kg

Continued on next page ...

This is only a summary. Please, refer to the complete report package for quality control data.

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Hobbs,NM

Sample 209424 continued ...

Param	Flag	Result	Units
Dibenzofuran		<25.00	mg/Kg
Pentachlorobenzene		<25.00	mg/Kg
4-Nitrophenol		<25.00	mg/Kg
1-Naphthylamine		<25.00	mg/Kg
2,4-Dinitrotoluene		<25.00	mg/Kg
2-Naphthylamine		<25.00	mg/Kg
2,3,4,6-Tetrachlorophenol		<25.00	mg/Kg
Fluorene		<25.00	mg/Kg
Diethylphthalate		<25.00	mg/Kg
4-Chlorophenyl-phenylether		<25.00	mg/Kg
4-Nitroaniline		<25.00	mg/Kg
4,6-Dinitro-2-methylphenol		<25.00	mg/Kg
Diphenylamine		<25.00	mg/Kg
Diphenylhydrazine		<25.00	mg/Kg
4-Bromophenyl-phenylether		<25.00	mg/Kg
Phenacetin		<25.00	mg/Kg
Hexachlorobenzene		<25.00	mg/Kg
4-Aminobiphenyl		<25.00	mg/Kg
Pentachlorophenol		<25.00	mg/Kg
Pentachloronitrobenzene		<25.00	mg/Kg
Pronamide		<25.00	mg/Kg
Phenanthrene		<25.00	mg/Kg
Anthracene		<25.00	mg/Kg
Di-n-butylphthalate		<25.00	mg/Kg
Fluoranthene		<25.00	mg/Kg
Benzidine		<25.00	mg/Kg
Pyrene		<25.00	mg/Kg
p-Dimethylaminoazobenzene		<25.00	mg/Kg
Butylbenzylphthalate		<25.00	mg/Kg
Benzo(a)anthracene		<25.00	mg/Kg
3,3-Dichlorobenzidine		<25.00	mg/Kg
Chrysene		<25.00	mg/Kg
Bis (2-ethylhexyl) phthalate		<25.00	mg/Kg
Di-n-octylphthalate		<25.00	mg/Kg
Benzo(b)fluoranthene		<25.00	mg/Kg
7,12-Dimethylbenz(a)anthracene		<25.00	mg/Kg
Benzo(k)fluoranthene		<25.00	mg/Kg
Benzo(a)pyrene		<25.00	mg/Kg
3-Methylcholanthrene		<25.00	mg/Kg
Dibenzo(a,j)acridine		<25.00	mg/Kg
Indeno(1,2,3-cd)pyrene		<25.00	mg/Kg
Dibenzo(a,h)anthracene		<25.00	mg/Kg
Benzo(g,h,i)perylene		<25.00	mg/Kg
Test Comments	1	Note	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		37.2	mg/Kg
Total Lead		46.1	mg/Kg
Bromochloromethane		<500	µg/Kg
Dichlorodifluoromethane		<500	µg/Kg

Continued on next page ...

¹ Elevated reporting limits due to sample matrix.

This is only a summary. Please, refer to the complete report package for quality control data.

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Hobbs,NM

Sample 209424 continued ...

Param	Flag	Result	Units
Chloromethane (methyl chloride)		<500	µg/Kg
Vinyl Chloride		873	µg/Kg
Bromomethane (methyl bromide)		<2500	µg/Kg
Chloroethane		<500	µg/Kg
Trichlorofluoromethane		<500	µg/Kg
Acetone		<5000	µg/Kg
Iodomethane (methyl iodide)		<2500	µg/Kg
Carbon Disulfide		<500	µg/Kg
Acrylonitrile		<500	µg/Kg
2-Butanone (MEK)		<2500	µg/Kg
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg
2-hexanone		<2500	µg/Kg
trans 1,4-Dichloro-2-butene		<5000	µg/Kg
1,1-Dichloroethene		<500	µg/Kg
Methylene chloride		<2500	µg/Kg
MTBE		<500	µg/Kg
trans-1,2-Dichloroethene		<500	µg/Kg
1,1-Dichloroethane		864	µg/Kg
cis-1,2-Dichloroethene		<500	µg/Kg
2,2-Dichloropropane		<500	µg/Kg
1,2-Dichloroethane (EDC)		<500	µg/Kg
Chloroform		<500	µg/Kg
1,1,1-Trichloroethane		<500	µg/Kg
1,1-Dichloropropene		<500	µg/Kg
Benzene		2400	µg/Kg
Carbon Tetrachloride		<500	µg/Kg
1,2-Dichloropropane		<500	µg/Kg
Trichloroethene (TCE)		<500	µg/Kg
Dibromomethane (methylene bromide)		<500	µg/Kg
Bromodichloromethane		<500	µg/Kg
2-Chloroethyl vinyl ether		<2500	µg/Kg
cis-1,3-Dichloropropene		<500	µg/Kg
trans-1,3-Dichloropropene		<500	µg/Kg
Toluene		7890	µg/Kg
1,1,2-Trichloroethane		<500	µg/Kg
1,3-Dichloropropane		<500	µg/Kg
Dibromochloromethane		<500	µg/Kg
1,2-Dibromoethane (EDB)		<500	µg/Kg
Tetrachloroethene (PCE)		<500	µg/Kg
Chlorobenzene		<500	µg/Kg
1,1,1,2-Tetrachloroethane		<500	µg/Kg
Ethylbenzene		5820	µg/Kg
m,p-Xylene		8770	µg/Kg
Bromoform		<500	µg/Kg
Styrene		<500	µg/Kg
o-Xylene		4070	µg/Kg
1,1,2,2-Tetrachloroethane		<500	µg/Kg
2-Chlorotoluene		<500	µg/Kg
1,2,3-Trichloropropane		<500	µg/Kg
Isopropylbenzene		2030	µg/Kg

Continued on next page ...

This is only a summary. Please, refer to the complete report package for quality control data.

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Hobbs, NM

Sample 209424 continued ...

Param	Flag	Result	Units
Bromobenzene		<500	µg/Kg
n-Propylbenzene		3830	µg/Kg
1,3,5-Trimethylbenzene		5240	µg/Kg
tert-Butylbenzene		<500	µg/Kg
1,2,4-Trimethylbenzene		12100	µg/Kg
1,4-Dichlorobenzene (para)		<500	µg/Kg
sec-Butylbenzene		963	µg/Kg
1,3-Dichlorobenzene (meta)		<500	µg/Kg
p-Isopropyltoluene		1510	µg/Kg
4-Chlorotoluene		<500	µg/Kg
1,2-Dichlorobenzene (ortho)		<500	µg/Kg
n-Butylbenzene		1380	µg/Kg
1,2-Dibromo-3-chloropropane		<2500	µg/Kg
1,2,3-Trichlorobenzene		<2500	µg/Kg
1,2,4-Trichlorobenzene		<2500	µg/Kg
Naphthalene		27500	µg/Kg
Hexachlorobutadiene		<2500	µg/Kg

Sample: 209426 - SB-58 25'

Param	Flag	Result	Units
Chloride		562	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		3.62	mg/Kg
Total Lead		<1.00	mg/Kg

Sample: 209428 - SB-49 5'

Param	Flag	Result	Units
Chloride		107	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		2.51	mg/Kg
Total Lead		<1.00	mg/Kg

Sample: 209432 - SB-49 40'

Param	Flag	Result	Units
Chloride		19.7	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		2.71	mg/Kg
Total Lead		<1.00	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.

TraceAnalysis, Inc.

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Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 16, 2002 Order Number: A02100208
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Hobbs,NM**Sample: 209433 - SB-49 50'**

Param	Flag	Result	Units
Chloride		12.6	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		2.75	mg/Kg
Total Lead		<1.00	mg/Kg

Sample: 209437 - SB-57 10'

Param	Flag	Result	Units
Chloride		536	mg/Kg
Total Arsenic		<5.00	mg/Kg
Total Chromium		10.3	mg/Kg
Total Lead		9.21	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.



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Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 16, 2002

Order ID Number: A02100208

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209421	SB-57 45'	Soil	9/27/02	13:45	10/2/02
209424	SB-58 10'	Soil	9/27/02	10:30	10/2/02
209426	SB-58 25'	Soil	9/27/02	14:05	10/2/02
209428	SB-49 5'	Soil	9/27/02	8:35	10/2/02
209432	SB-49 40'	Soil	9/27/02	9:40	10/2/02
209433	SB-49 50'	Soil	9/27/02	10:15	10/2/02
209437	SB-57 10'	Soil	9/27/02	12:27	10/2/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.

The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 26 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.

Dr. Blair Leftwich, Director

Report Date: October 16, 2002
CH2100

Order Number: A02100208
Champion Tech

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Hobbs,NM

Analytical Report

Sample: 209421 - SB-57 45'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23913 Date Analyzed: 10/2/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22346 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.813	mg/Kg	10	1	81	70 - 130
4-BFB		0.760	mg/Kg	10	1	76	70 - 130

Sample: 209421 - SB-57 45'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24019 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22434 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		491	mg/Kg	50	1

Sample: 209421 - SB-57 45'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC23978 Date Analyzed: 10/7/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22404 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

Sample: 209421 - SB-57 45'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24004 Date Analyzed: 10/8/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22405 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		3.11	mg/Kg	100	0.01
Total Lead		<1.00	mg/Kg	100	0.01

Sample: 209424 - SB-58 10'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23913 Date Analyzed: 10/2/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22346 Date Prepared: 10/2/02

Report Date: October 16, 2002
CH2100

Order Number: A02100208
Champion Tech

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Hobbs,NM

Param	Flag	Result	Units	Dilution	RDL
Benzene		1.46	mg/Kg	200	0.001
Toluene		4.08	mg/Kg	200	0.001
Ethylbenzene		3.27	mg/Kg	200	0.001
M,P,O-Xylene		6.88	mg/Kg	200	0.001
Total BTEX		15.7	mg/Kg	200	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.918	mg/Kg	200	1	88	70 - 130
4-BFB	1	1.90	mg/Kg	1	1	185	70 - 130

Sample: 209424 - SB-58 10'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24018 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22437 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		713	mg/Kg	50	1

Sample: 209424 - SB-58 10'

Analysis: Semivolatiles Analytical Method: S 8270C QC Batch: QC24151 Date Analyzed: 10/14/02
Analyst: RC Preparation Method: E 3510C Prep Batch: PB22540 Date Prepared: 10/10/02

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<25.00	mg/Kg	100	0.25
n-Nitrosodimethylamine		<25.00	mg/Kg	100	0.25
2-Picoline		<25.00	mg/Kg	100	0.25
Methyl methanesulfonate		<25.00	mg/Kg	100	0.25
Ethyl methanesulfonate		<25.00	mg/Kg	100	0.25
Phenol		<25.00	mg/Kg	100	0.25
Aniline		<25.00	mg/Kg	100	0.25
bis (2-chloroethyl) ether		<25.00	mg/Kg	100	0.25
2-Chlorophenol		<25.00	mg/Kg	100	0.25
1,3-Dichlorobenzene (meta)		<25.00	mg/Kg	100	0.25
1,4-Dichlorobenzene		<25.00	mg/Kg	100	0.25
Benzyl alcohol		<25.00	mg/Kg	100	0.25
1,2-Dichlorobenzene		<25.00	mg/Kg	100	0.25
2-Methylphenol		<25.00	mg/Kg	100	0.25
bis (2-chloroisopropyl) ether		<25.00	mg/Kg	100	0.25
4-Methylphenol/3-Methylphenol		<25.00	mg/Kg	100	0.25
Acetophenone		<25.00	mg/Kg	100	0.25
n-Nitrosodi-n-propylamine		<25.00	mg/Kg	100	0.25
Hexachloroethane		<25.00	mg/Kg	100	0.25
Nitrobenzene		<25.00	mg/Kg	100	0.25
n-Nitrosopiperidine		<25.00	mg/Kg	100	0.25
Isophorone		<25.00	mg/Kg	100	0.25
2-Nitrophenol		<25.00	mg/Kg	100	0.25
4-Dimethylphenol		<25.00	mg/Kg	100	0.25

Continued ...

¹High surrogate recovery due to peak interference.

... Continued Sample: 209424 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
bis (2-chloroethoxy) methane		<25.00	mg/Kg	100	0.25
Benzoic acid		<25.00	mg/Kg	100	0.25
2,4-Dichlorophenol		<25.00	mg/Kg	100	0.25
1,2,4-Trichlorobenzene		<25.00	mg/Kg	100	0.25
a,a-Dimethylphenethylamine		<25.00	mg/Kg	100	0.25
Naphthalene		<25.00	mg/Kg	100	0.25
4-Chloroaniline		<25.00	mg/Kg	100	0.25
2,6-Dichlorophenol		<25.00	mg/Kg	100	0.25
Hexachlorobutadiene		<25.00	mg/Kg	100	0.25
n-Nitroso-di-n-butylamine		<25.00	mg/Kg	100	0.25
4-Chloro-3-methylphenol		<25.00	mg/Kg	100	0.25
1-Methylnaphthalene		30.93	mg/Kg	100	0.25
2-Methylnaphthalene		43.18	mg/Kg	100	0.25
1,2,4,5-Tetrachlorobenzene		<25.00	mg/Kg	100	0.25
Hexachlorocyclopentadiene		<25.00	mg/Kg	100	0.25
2,4,6-Trichlorophenol		<25.00	mg/Kg	100	0.25
2,4,5-Trichlorophenol		<25.00	mg/Kg	100	0.25
2-Chloronaphthalene		<25.00	mg/Kg	100	0.25
1-Chloronaphthalene		<25.00	mg/Kg	100	0.25
2-Nitroaniline		<25.00	mg/Kg	100	0.25
Dimethylphthalate		<25.00	mg/Kg	100	0.25
Acenaphthylene		<25.00	mg/Kg	100	0.25
2,6-Dinitrotoluene		<25.00	mg/Kg	100	0.25
3-Nitroaniline		<25.00	mg/Kg	100	0.25
Acenaphthene		<25.00	mg/Kg	100	0.25
2,4-Dinitrophenol		<25.00	mg/Kg	100	0.25
Dibenzofuran		<25.00	mg/Kg	100	0.25
Pentachlorobenzene		<25.00	mg/Kg	100	0.25
4-Nitrophenol		<25.00	mg/Kg	100	0.25
1-Naphthylamine		<25.00	mg/Kg	100	0.25
2,4-Dinitrotoluene		<25.00	mg/Kg	100	0.25
2-Naphthylamine		<25.00	mg/Kg	100	0.25
2,3,4,6-Tetrachlorophenol		<25.00	mg/Kg	100	0.25
Fluorene		<25.00	mg/Kg	100	0.25
Diethylphthalate		<25.00	mg/Kg	100	0.25
4-Chlorophenyl-phenylether		<25.00	mg/Kg	100	0.25
4-Nitroaniline		<25.00	mg/Kg	100	0.25
4,6-Dinitro-2-methylphenol		<25.00	mg/Kg	100	0.25
Diphenylamine		<25.00	mg/Kg	100	0.25
Diphenylhydrazine		<25.00	mg/Kg	100	0.25
4-Bromophenyl-phenylether		<25.00	mg/Kg	100	0.25
Phenacetin		<25.00	mg/Kg	100	0.25
Hexachlorobenzene		<25.00	mg/Kg	100	0.25
4-Aminobiphenyl		<25.00	mg/Kg	100	0.25
Pentachlorophenol		<25.00	mg/Kg	100	0.25
Pentachloronitrobenzene		<25.00	mg/Kg	100	0.25
Pronamide		<25.00	mg/Kg	100	0.25
Phenanthrene		<25.00	mg/Kg	100	0.25
Anthracene		<25.00	mg/Kg	100	0.25
Di-n-butylphthalate		<25.00	mg/Kg	100	0.25
Fluoranthene		<25.00	mg/Kg	100	0.25
Benzidine		<25.00	mg/Kg	100	0.25
Pyrene		<25.00	mg/Kg	100	0.25

Continued ...

... Continued Sample: 209424 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
p-Dimethylaminoazobenzene		<25.00	mg/Kg	100	0.25
Butylbenzylphthalate		<25.00	mg/Kg	100	0.25
Benzo(a)anthracene		<25.00	mg/Kg	100	0.25
3,3-Dichlorobenzidine		<25.00	mg/Kg	100	0.25
Chrysene		<25.00	mg/Kg	100	0.25
Bis (2-ethylhexyl) phthalate		<25.00	mg/Kg	100	0.25
Di-n-octylphthalate		<25.00	mg/Kg	100	0.25
Benzo(b)fluoranthene		<25.00	mg/Kg	100	0.25
7,12-Dimethylbenz(a)anthracene		<25.00	mg/Kg	100	0.25
Benzo(k)fluoranthene		<25.00	mg/Kg	100	0.25
Benzo(a)pyrene		<25.00	mg/Kg	100	0.25
3-Methylcholanthrene		<25.00	mg/Kg	100	0.25
Dibenzo(a,j)acridine		<25.00	mg/Kg	100	0.25
Indeno(1,2,3-cd)pyrene		<25.00	mg/Kg	100	0.25
Dibenzo(a,h)anthracene		<25.00	mg/Kg	100	0.25
Benzo(g,h,i)perylene		<25.00	mg/Kg	100	0.25
Test Comments	2	Note	mg/Kg	100	

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		67.9	mg/Kg	100	80	84	25 - 121
Phenol-d5		78.86	mg/Kg	100	80	98	24 - 113
Nitrobenzene-d5	3	103.33	mg/Kg	100	80	129	23 - 120
2-Fluorobiphenyl		87.91	mg/Kg	100	80	109	30 - 115
2,4,6-Tribromophenol		61.75	mg/Kg	100	80	77	19 - 122
Terphenyl-d14		76.17	mg/Kg	100	80	95	28 - 137

Sample: 209424 - SB-58 10'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC23978 Date Analyzed: 10/7/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22404 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		80800	mg/Kg	100	10

Sample: 209424 - SB-58 10'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24071 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		37.2	mg/Kg	100	0.01
Total Lead		46.1	mg/Kg	100	0.01

²Elevated reporting limits due to sample matrix.

³Sample surrogate recovery out of limits due to sample matrix.

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Sample: 209424 - SB-58 10'

Analysis: Volatiles Analytical Method: S 8260B QC Batch: QC24104 Date Analyzed: 10/10/02
Analyst: JG Preparation Method: E 5030B Prep Batch: PB22507 Date Prepared: 10/10/02

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<500	µg/Kg	500	1
Dichlorodifluoromethane		<500	µg/Kg	500	1
Chloromethane (methyl chloride)		<500	µg/Kg	500	1
Vinyl Chloride		873	µg/Kg	500	1
Bromomethane (methyl bromide)		<2500	µg/Kg	500	5
Chloroethane		<500	µg/Kg	500	1
Trichlorofluoromethane		<500	µg/Kg	500	1
Acetone		<5000	µg/Kg	500	10
Iodomethane (methyl iodide)		<2500	µg/Kg	500	5
Carbon Disulfide		<500	µg/Kg	500	1
Acrylonitrile		<500	µg/Kg	500	1
2-Butanone (MEK)		<2500	µg/Kg	500	5
4-methyl-2-pentanone (MIBK)		<2500	µg/Kg	500	5
2-hexanone		<2500	µg/Kg	500	5
trans 1,4-Dichloro-2-butene		<5000	µg/Kg	500	10
1,1-Dichloroethene		<500	µg/Kg	500	1
Methylene chloride		<2500	µg/Kg	500	5
MTBE		<500	µg/Kg	500	1
trans-1,2-Dichloroethene		<500	µg/Kg	500	1
1,1-Dichloroethane		864	µg/Kg	500	1
cis-1,2-Dichloroethene		<500	µg/Kg	500	1
2,2-Dichloropropane		<500	µg/Kg	500	1
1,2-Dichloroethane (EDC)		<500	µg/Kg	500	1
Chloroform		<500	µg/Kg	500	1
1,1,1-Trichloroethane		<500	µg/Kg	500	1
1,1-Dichloropropene		<500	µg/Kg	500	1
Benzene		2400	µg/Kg	500	1
Carbon Tetrachloride		<500	µg/Kg	500	1
1,2-Dichloropropane		<500	µg/Kg	500	1
Trichloroethene (TCE)		<500	µg/Kg	500	1
Dibromomethane (methylene bromide)		<500	µg/Kg	500	1
Bromodichloromethane		<500	µg/Kg	500	1
2-Chloroethyl vinyl ether		<2500	µg/Kg	500	5
cis-1,3-Dichloropropene		<500	µg/Kg	500	1
trans-1,3-Dichloropropene		<500	µg/Kg	500	1
Toluene		7890	µg/Kg	500	1
1,1,2-Trichloroethane		<500	µg/Kg	500	1
1,3-Dichloropropane		<500	µg/Kg	500	1
Dibromochloromethane		<500	µg/Kg	500	1
1,2-Dibromoethane (EDB)		<500	µg/Kg	500	1
Tetrachloroethene (PCE)		<500	µg/Kg	500	1
Chlorobenzene		<500	µg/Kg	500	1
1,1,1,2-Tetrachloroethane		<500	µg/Kg	500	1
Ethylbenzene		5820	µg/Kg	500	1
m,p-Xylene		8770	µg/Kg	500	1
Bromoform		<500	µg/Kg	500	1
Styrene		<500	µg/Kg	500	1
p-Xylene		4070	µg/Kg	500	1
1,1,2,2-Tetrachloroethane		<500	µg/Kg	500	1
2-Chlorotoluene		<500	µg/Kg	500	1

Continued ...

... Continued Sample: 209424 Analysis: Volatiles

Param	Flag	Result	Units	Dilution	RDL
1,2,3-Trichloropropane		<500	µg/Kg	500	1
Isopropylbenzene		2030	µg/Kg	500	1
Bromobenzene		<500	µg/Kg	500	1
n-Propylbenzene		3830	µg/Kg	500	1
1,3,5-Trimethylbenzene		5240	µg/Kg	500	1
tert-Butylbenzene		<500	µg/Kg	500	1
1,2,4-Trimethylbenzene		12100	µg/Kg	500	1
1,4-Dichlorobenzene (para)		<500	µg/Kg	500	1
sec-Butylbenzene		963	µg/Kg	500	1
1,3-Dichlorobenzene (meta)		<500	µg/Kg	500	1
p-Isopropyltoluene		1510	µg/Kg	500	1
4-Chlorotoluene		<500	µg/Kg	500	1
1,2-Dichlorobenzene (ortho)		<500	µg/Kg	500	1
n-Butylbenzene		1380	µg/Kg	500	1
1,2-Dibromo-3-chloropropane		<2500	µg/Kg	500	5
1,2,3-Trichlorobenzene		<2500	µg/Kg	500	5
1,2,4-Trichlorobenzene		<2500	µg/Kg	500	5
Naphthalene		27500	µg/Kg	500	5
Hexachlorobutadiene		<2500	µg/Kg	500	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		47.9	µg/Kg	1	50	95	70 - 130
Toluene-d8		49.1	µg/Kg	1	50	98	70 - 130
4-Bromofluorobenzene		51.0	µg/Kg	1	50	102	70 - 130

Sample: 209426 - SB-58 25'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23913 Date Analyzed: 10/2/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22346 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		0.0109	mg/Kg	10	0.001
Total BTEX		0.0109	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.863	mg/Kg	10	1	86	70 - 130
4-BFB		0.820	mg/Kg	200	1	82	70 - 130

Sample: 209426 - SB-58 25'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24159 Date Analyzed: 10/14/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22542 Date Prepared: 10/14/02

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Param	Flag	Result	Units	Dilution	RDL
Chloride		562	mg/Kg	50	1

Sample: 209426 - SB-58 25'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC23978 Date Analyzed: 10/7/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22404 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		37.1	mg/Kg	1	10

Sample: 209426 - SB-58 25'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24071 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		3.62	mg/Kg	100	0.01
Total Lead		<1.00	mg/Kg	100	0.01

Sample: 209428 - SB-49 5'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23913 Date Analyzed: 10/2/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22346 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
MTBE		<0.010	mg/Kg	10	0.001
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.824	mg/Kg	10	1	82	70 - 130
4-BFB		0.770	mg/Kg	10	1	77	70 - 130

Sample: 209428 - SB-49 5'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24019 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22434 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		107	mg/Kg	5	1

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Sample: 209428 - SB-49 5'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24067 Date Analyzed: 10/3/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22404 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		27.9	mg/Kg	1	10

Sample: 209428 - SB-49 5'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24004 Date Analyzed: 10/8/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22405 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		2.51	mg/Kg	100	0.01
Total Lead		<1.00	mg/Kg	100	0.01

Sample: 209432 - SB-49 40'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23913 Date Analyzed: 10/2/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22346 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.844	mg/Kg	10	1	84	70 - 130
4-BFB		0.796	mg/Kg	10	1	80	70 - 130

Sample: 209432 - SB-49 40'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24019 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22434 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		19.7	mg/Kg	1	1

Sample: 209432 - SB-49 40'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24067 Date Analyzed: 10/3/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22404 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

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Sample: 209432 - SB-49 40'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24071 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		2.71	mg/Kg	100	0.01
Total Lead		<1.00	mg/Kg	100	0.01

Sample: 209433 - SB-49 50'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23913 Date Analyzed: 10/2/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22346 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.870	mg/Kg	10	1	87	70 - 130
1-BFB		0.822	mg/Kg	10	1	82	70 - 130

Sample: 209433 - SB-49 50'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24019 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22434 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		12.6	mg/Kg	1	1

Sample: 209433 - SB-49 50'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24067 Date Analyzed: 10/3/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22404 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		98.7	mg/Kg	1	10

Sample: 209433 - SB-49 50'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24071 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		2.75	mg/Kg	100	0.01

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... Continued Sample: 209433 Analysis: Total Metals

Param	Flag	Result	Units	Dilution	RDL
Total Lead		<1.00	mg/Kg	100	0.01

Sample: 209437 - SB-57 10'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23913 Date Analyzed: 10/2/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22346 Date Prepared: 10/2/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT	4	0.654	mg/Kg	10	1	65	70 - 130
4-BFB	5	0.630	mg/Kg	10	1	63	70 - 130

Sample: 209437 - SB-57 10'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24019 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22434 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		536	mg/Kg	50	1

Sample: 209437 - SB-57 10'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24067 Date Analyzed: 10/3/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22404 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

Sample: 209437 - SB-57 10'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24071 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		10.3	mg/Kg	100	0.01
Total Lead		9.21	mg/Kg	100	0.01

⁴Surrogate within acceptable limits according to GC2 soil control chart.

⁵Surrogate within acceptable limits according to GC2 soil control chart.

Quality Control Report Method Blank

Method Blank QCBatch: QC23913

Param	Flag	Results	Units	Reporting Limit
MTBE		<0.010	mg/Kg	0.001
Benzene		<0.010	mg/Kg	0.001
Toluene		<0.010	mg/Kg	0.001
Ethylbenzene		<0.010	mg/Kg	0.001
M,P,O-Xylene		<0.010	mg/Kg	0.001
Total BTEX		<0.010	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		1.01	mg/Kg	10	1	101	70 - 130
4-BFB		0.902	mg/Kg	10	1	90	70 - 130

Method Blank QCBatch: QC23978

Param	Flag	Results	Units	Reporting Limit
TRPHC		<10.0	mg/Kg	10

Method Blank QCBatch: QC24004

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<0.050	mg/Kg	0.05
Total Chromium		<0.010	mg/Kg	0.01
Total Lead		<0.010	mg/Kg	0.01

Method Blank QCBatch: QC24018

Param	Flag	Results	Units	Reporting Limit
Chloride		22.74	mg/Kg	1

Method Blank QCBatch: QC24019

Param	Flag	Results	Units	Reporting Limit
Chloride		14.03	mg/Kg	1

Method Blank QCBatch: QC24067

Param	Flag	Results	Units	Reporting Limit
TRPHC		<10.0	mg/Kg	10

Method Blank QCBatch: QC24071

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<0.050	mg/Kg	0.05
Total Chromium		<0.010	mg/Kg	0.01
Total Lead		<0.010	mg/Kg	0.01
Total Silver		<0.002	mg/Kg	0.002

Method Blank QCBatch: QC24104

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<10.0	µg/Kg	1
Dichlorodifluoromethane		<10.0	µg/Kg	1
Chloromethane (methyl chloride)		<10.0	µg/Kg	1
Vinyl Chloride		<10.0	µg/Kg	1
Bromomethane (methyl bromide)		<50.0	µg/Kg	5
Chloroethane		<10.0	µg/Kg	1
Trichlorofluoromethane		<10.0	µg/Kg	1
Acetone		<100	µg/Kg	10
Iodomethane (methyl iodide)		<50.0	µg/Kg	5
Carbon Disulfide		<10.0	µg/Kg	1
Acrylonitrile		<10.0	µg/Kg	1
2-Butanone (MEK)		<50.0	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<50.0	µg/Kg	5
2-hexanone		<50.0	µg/Kg	5
trans 1,4-Dichloro-2-butene		<100	µg/Kg	10
1,1-Dichloroethene		<10.0	µg/Kg	1
Methylene chloride		<50.0	µg/Kg	5
MTBE		<10.0	µg/Kg	1
trans-1,2-Dichloroethene		<10.0	µg/Kg	1
1,1-Dichloroethane		<10.0	µg/Kg	1
cis-1,2-Dichloroethene		<10.0	µg/Kg	1
2,2-Dichloropropane		<10.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<10.0	µg/Kg	1
Chloroform		<10.0	µg/Kg	1
1,1,1-Trichloroethane		<10.0	µg/Kg	1
1,1-Dichloropropene		<10.0	µg/Kg	1
Benzene		<10.0	µg/Kg	1
Carbon Tetrachloride		<10.0	µg/Kg	1
1,2-Dichloropropane		<10.0	µg/Kg	1
Trichloroethene (TCE)		<10.0	µg/Kg	1
Dibromomethane (methylene bromide)		<10.0	µg/Kg	1
Bromodichloromethane		<10.0	µg/Kg	1

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Param	Flag	Results	Units	Reporting Limit
2-Chloroethyl vinyl ether		<50.0	µg/Kg	5
cis-1,3-Dichloropropene		<10.0	µg/Kg	1
trans-1,3-Dichloropropene		<10.0	µg/Kg	1
Toluene		<10.0	µg/Kg	1
1,1,2-Trichloroethane		<10.0	µg/Kg	1
1,3-Dichloropropane		<10.0	µg/Kg	1
Dibromochloromethane		<10.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<10.0	µg/Kg	1
Tetrachloroethene (PCE)		<10.0	µg/Kg	1
Chlorobenzene		<10.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<10.0	µg/Kg	1
Ethylbenzene		<10.0	µg/Kg	1
m,p-Xylene		<10.0	µg/Kg	1
Bromoform		<10.0	µg/Kg	1
Styrene		<10.0	µg/Kg	1
o-Xylene		<10.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<10.0	µg/Kg	1
2-Chlorotoluene		<10.0	µg/Kg	1
1,2,3-Trichloropropane		<10.0	µg/Kg	1
Isopropylbenzene		<10.0	µg/Kg	1
Bromobenzene		<10.0	µg/Kg	1
n-Propylbenzene		<10.0	µg/Kg	1
1,3,5-Trimethylbenzene		<10.0	µg/Kg	1
tert-Butylbenzene		<10.0	µg/Kg	1
1,2,4-Trimethylbenzene		<10.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<10.0	µg/Kg	1
sec-Butylbenzene		<10.0	µg/Kg	1
1,3-Dichlorobenzene (meta)		<10.0	µg/Kg	1
p-Isopropyltoluene		<10.0	µg/Kg	1
4-Chlorotoluene		<10.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<10.0	µg/Kg	1
n-Butylbenzene		<10.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<50.0	µg/Kg	5
1,2,3-Trichlorobenzene		<50.0	µg/Kg	5
1,2,4-Trichlorobenzene		<50.0	µg/Kg	5
Naphthalene		<50.0	µg/Kg	5
Hexachlorobutadiene		<50.0	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		37.8	µg/Kg	1	50	76	70 - 130
Toluene-d8		49.2	µg/Kg	1	50	98	70 - 130
4-Bromofluorobenzene		48.5	µg/Kg	1	50	97	70 - 130

Method Blank

QCBatch: QC24151

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.25	mg/Kg	0.25

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Param	Flag	Results	Units	Reporting Limit
n-Nitrosodimethylamine		<0.25	mg/Kg	0.25
2-Picoline		<0.25	mg/Kg	0.25
Methyl methanesulfonate		<0.25	mg/Kg	0.25
Ethyl methanesulfonate		<0.25	mg/Kg	0.25
Phenol		<0.25	mg/Kg	0.25
Aniline		<0.25	mg/Kg	0.25
bis (2-chloroethyl) ether		<0.25	mg/Kg	0.25
2-Chlorophenol		<0.25	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.25	mg/Kg	0.25
1,4-Dichlorobenzene		<0.25	mg/Kg	0.25
Benzyl alcohol		<0.25	mg/Kg	0.25
1,2-Dichlorobenzene		<0.25	mg/Kg	0.25
2-Methylphenol		<0.25	mg/Kg	0.25
bis (2-chloroisopropyl) ether		<0.25	mg/Kg	0.25
4-Methylphenol/3-Methylphenol		<0.25	mg/Kg	0.25
Acetophenone		<0.25	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.25	mg/Kg	0.25
Hexachloroethane		<0.25	mg/Kg	0.25
Nitrobenzene		<0.25	mg/Kg	0.25
n-Nitrosopiperidine		<0.25	mg/Kg	0.25
Isophorone		<0.25	mg/Kg	0.25
2-Nitrophenol		<0.25	mg/Kg	0.25
2,4-Dimethylphenol		<0.25	mg/Kg	0.25
bis (2-chloroethoxy) methane		<0.25	mg/Kg	0.25
Benzoic acid		<0.25	mg/Kg	0.25
2,4-Dichlorophenol		<0.25	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.25	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.25	mg/Kg	0.25
Naphthalene		<0.25	mg/Kg	0.25
4-Chloroaniline		<0.25	mg/Kg	0.25
2,6-Dichlorophenol		<0.25	mg/Kg	0.25
Hexachlorobutadiene		<0.25	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.25	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.25	mg/Kg	0.25
1-Methylnaphthalene		<0.25	mg/Kg	0.25
2-Methylnaphthalene		<0.25	mg/Kg	0.25
1,2,4,5-Tetrachlorobenzene		<0.25	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.25	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.25	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.25	mg/Kg	0.25
2-Chloronaphthalene		<0.25	mg/Kg	0.25
1-Chloronaphthalene		<0.25	mg/Kg	0.25
2-Nitroaniline		<0.25	mg/Kg	0.25
Dimethylphthalate		<0.25	mg/Kg	0.25
Acenaphthylene		<0.25	mg/Kg	0.25
2,6-Dinitrotoluene		<0.25	mg/Kg	0.25
3-Nitroaniline		<0.25	mg/Kg	0.25
Acenaphthene		<0.25	mg/Kg	0.25
2,4-Dinitrophenol		<0.25	mg/Kg	0.25
2-Benzofuran		<0.25	mg/Kg	0.25
Pentachlorobenzene		<0.25	mg/Kg	0.25
4-Nitrophenol		<0.25	mg/Kg	0.25

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Param	Flag	Results	Units	Reporting Limit
1-Naphthylamine		<0.25	mg/Kg	0.25
2,4-Dinitrotoluene		<0.25	mg/Kg	0.25
2-Naphthylamine		<0.25	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.25	mg/Kg	0.25
Fluorene		<0.25	mg/Kg	0.25
Diethylphthalate		<0.25	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.25	mg/Kg	0.25
4-Nitroaniline		<0.25	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.25	mg/Kg	0.25
Diphenylamine		<0.25	mg/Kg	0.25
Diphenylhydrazine		<0.25	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.25	mg/Kg	0.25
Phenacetin		<0.25	mg/Kg	0.25
Hexachlorobenzene		<0.25	mg/Kg	0.25
4-Aminobiphenyl		<0.25	mg/Kg	0.25
Pentachlorophenol		<0.25	mg/Kg	0.25
Pentachloronitrobenzene		<0.25	mg/Kg	0.25
Pronamide		<0.25	mg/Kg	0.25
Phenanthrene		<0.25	mg/Kg	0.25
Anthracene		<0.25	mg/Kg	0.25
Di-n-butylphthalate		<0.25	mg/Kg	0.25
Fluoranthene		<0.25	mg/Kg	0.25
Benzidine		<0.25	mg/Kg	0.25
Pyrene		<0.25	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.25	mg/Kg	0.25
Butylbenzylphthalate		<0.25	mg/Kg	0.25
Benzo(a)anthracene		<0.25	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.25	mg/Kg	0.25
Chrysene		<0.25	mg/Kg	0.25
Bis (2-ethylhexyl) phthalate		<0.25	mg/Kg	0.25
Di-n-octylphthalate		<0.25	mg/Kg	0.25
Benzo(b)fluoranthene		<0.25	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.25	mg/Kg	0.25
Benzo(k)fluoranthene		<0.25	mg/Kg	0.25
Benzo(a)pyrene		<0.25	mg/Kg	0.25
3-Methylcholanthrene		<0.25	mg/Kg	0.25
Dibenzo(a,j)acridine		<0.25	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.25	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.25	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.25	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		50.01	mg/Kg	1	80	62	25 - 121
Phenol-d5		58.72	mg/Kg	1	80	73	24 - 113
Nitrobenzene-d5		67.11	mg/Kg	1	80	83	23 - 120
2-Fluorobiphenyl		57.36	mg/Kg	1	80	71	30 - 115
2,4,6-Tribromophenol		63.08	mg/Kg	1	80	78	19 - 122
Terphenyl-d14		59.76	mg/Kg	1	80	74	28 - 137

Method Blank QCBatch: QC24159

Param	Flag	Results	Units	Reporting Limit
Chloride		18.03	mg/Kg	1

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23913

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.909	0.927	mg/Kg	10	1	<0.010	90	1	70 - 130	20
Benzene	0.958	0.956	mg/Kg	10	1	<0.010	95	0	70 - 130	20
Toluene	0.966	0.961	mg/Kg	10	1	<0.010	96	0	70 - 130	20
Ethylbenzene	0.972	0.968	mg/Kg	10	1	<0.010	97	0	70 - 130	20
M,P,O-Xylene	2.85	2.83	mg/Kg	10	3	<0.010	95	0	70 - 130	20

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

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
FT	0.991	0.974	mg/Kg	10	1	99	97	70 - 130
4-BFB	0.930	0.935	mg/Kg	10	1	93	93	70 - 130

Laboratory Control Spikes QCBatch: QC23978

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	235	238	mg/Kg	1	250	<10.0	94	1	74 - 110	20

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

Laboratory Control Spikes QCBatch: QC24004

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	60.2	57.4	mg/Kg	100	50	<0.050	120	4	75 - 125	20
Total Barium	100	102	mg/Kg	100	100	<0.100	100	1	75 - 125	20
Total Cadmium	24.5	25.0	mg/Kg	100	25	<0.005	98	2	75 - 125	20
Total Chromium	10.3	10.5	mg/Kg	100	10	<0.010	103	1	75 - 125	20
Total Lead	48.6	49.7	mg/Kg	100	50	<0.010	97	2	75 - 125	20
Total Selenium	41.0	40.6	mg/Kg	100	50	<0.010	82	0	75 - 125	20
Total Silver	12.1	12.3	mg/Kg	100	12.50	<0.002	96	1	75 - 125	20

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

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	⁶ 34.61	⁷ 34.68	mg/Kg	1	12.50	22.74	276	0	90 - 110	20

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

Laboratory Control Spikes QCBatch: QC24019

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	⁸ 25.70	⁹ 25.75	mg/Kg	1	12.50	14.03	205	0	90 - 110	20

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

Laboratory Control Spikes QCBatch: QC24067

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	235	238	mg/Kg	1	250	<10.0	94	1	74 - 110	20

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

Laboratory Control Spikes QCBatch: QC24071

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	44.4	43.5	mg/Kg	100	50	<0.050	88	2	75 - 125	20
Total Chromium	10.4	10.3	mg/Kg	100	10	<0.010	104	0	75 - 125	20
Total Lead	49.3	49.6	mg/Kg	100	50	<0.010	98	0	75 - 125	20

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

Laboratory Control Spikes QCBatch: QC24104

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	¹⁰ 1050	1180	µg/Kg	1	2500	<10.0	42	11	70 - 130	20
Benzene	2320	2400	µg/Kg	1	2500	<10.0	92	3	70 - 130	20
Trichloroethene (TCE)	2370	2450	µg/Kg	1	2500	<10.0	94	3	70 - 130	20
Toluene	2270	2320	µg/Kg	1	2500	<10.0	90	2	70 - 130	20
Chlorobenzene	2380	2490	µg/Kg	1	2500	<10.0	95	4	70 - 130	20

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

⁶Blank soil should be subtracted from the sample. %IA = 95 and RPD = 0.

⁷Blank soil should be subtracted from the sample. %IA = 95 and RPD = 0.

⁸Blank soil should be subtracted from the sample. %IA = 93 and RPD = 0.

⁹Blank soil should be subtracted from the sample. %IA = 93 and RPD = 0.

¹⁰low spike recovery due to prep procedure.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	35.6	38.4	µg/Kg	1	50	71	77	70 - 130
Toluene-d8	48.1	48.1	µg/Kg	1	50	96	96	70 - 130
4-Bromofluorobenzene	49.2	48.1	µg/Kg	1	50	98	96	70 - 130

Laboratory Control Spikes

QCBatch: QC24151

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Phenol	69.22	70.7	mg/Kg	1	80	<0.25	86	2	29 - 170	20
2-Chlorophenol	71.01	72.00	mg/Kg	1	80	<0.25	88	1	30 - 68	20
1,4-Dichlorobenzene	69.04	69.65	mg/Kg	1	80	<0.25	86	0	32 - 62	20
n-Nitrosodi-n-propylamine	68.26	69.67	mg/Kg	1	80	<0.25	85	2	28 - 77	20
1,2,4-Trichlorobenzene	67.54	68.36	mg/Kg	1	80	<0.25	84	1	32 - 65	20
4-Chloro-3-methylphenol	67.12	68.06	mg/Kg	1	80	<0.25	83	1	27 - 81	20
Acenaphthene	71.89	72.68	mg/Kg	1	80	<0.25	89	1	40 - 73	20
4-Nitrophenol	19.57	19.47	mg/Kg	1	80	<0.25	24	0	0 - 127	20
2,4-Dinitrotoluene	102.12	108.61	mg/Kg	1	80	<0.25	127	6	27 - 96	20
Pentachlorophenol	36.08	39.78	mg/Kg	1	80	<0.25	45	9	0 - 100	20
Pyrene	53.56	55.26	mg/Kg	1	80	<0.25	66	3	16 - 101	20

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

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2-Fluorophenol	68.97	69.12	mg/Kg	1	80	86	86	25 - 121
Phenol-d5	82.12	78.26	mg/Kg	1	80	102	97	24 - 113
Nitrobenzene-d5	95.3	96.61	mg/Kg	1	80	119	120	23 - 120
2-Fluorobiphenyl	77.25	77.53	mg/Kg	1	80	96	96	30 - 115
2,4,6-Tribromophenol	67.62	70.41	mg/Kg	1	80	84	88	19 - 122
Terphenyl-d14	57.51	59.74	mg/Kg	1	80	71	74	28 - 137

Laboratory Control Spikes

QCBatch: QC24159

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	¹¹ 30.25	¹² 30.34	mg/Kg	1	12.50	18.03	242	0	90 - 110	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC23913

¹¹Blank spikes should be subtracted from this sample. %EA = 98 and RPD = 0.

¹²Blank spikes should be subtracted from this sample. %EA = 98 and RPD = 0.

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	¹³ 0.694	¹⁴ 0.67	mg/Kg	10	1	<0.010	69	3	70 - 130	20
Benzene	0.802	0.793	mg/Kg	10	1	<0.010	80	1	70 - 130	20
Toluene	0.816	0.808	mg/Kg	10	1	<0.010	81	0	70 - 130	20
Ethylbenzene	0.842	0.839	mg/Kg	10	1	<0.010	84	0	70 - 130	20
M,P,O-Xylene	2.45	2.45	mg/Kg	10	3	<0.010	81	0	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
TFT	0.844	0.81	mg/Kg	10	1	84	81	70 - 130
4-BFB	0.804	0.79	mg/Kg	10	1	80	79	70 - 130

Matrix Spikes QCBatch: QC23978

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	219	224	mg/Kg	1	250	<10.0	87	2	70 - 130	20

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

Matrix Spikes QCBatch: QC24004

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	76.3	79.7	mg/Kg	100	50	14.1	124	5	75 - 125	20
Total Chromium	21.2	21.9	mg/Kg	100	10	10.4	107	6	75 - 125	20
Total Lead	59.6	60.0	mg/Kg	100	50	10.1	99	0	75 - 125	20

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

Matrix Spikes QCBatch: QC24018

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	25000	25000	mg/Kg	1	12500	13100	95	0	35 - 144	20

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

Matrix Spikes QCBatch: QC24019

¹³Spike recovery outside limits but within control charts for BTEX GC2.

¹⁴Spike recovery outside limits but within control charts for BTEX GC2.

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	1130	1130	mg/Kg	1	625	536	95	0	35 - 144	20

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

Matrix Spikes QCBatch: QC24067

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	283	286	mg/Kg	1	250	63	88	1	70 - 130	20

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

Matrix Spikes QCBatch: QC24071

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	49.3	50.0	mg/Kg	100	50	6.43	85	1	75 - 125	20
Total Chromium	21.6	21.0	mg/Kg	100	10	9.56	120	5	75 - 125	20
Total Lead	61.8	60.5	mg/Kg	100	50	10.0	103	2	75 - 125	20

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

Matrix Spikes QCBatch: QC24159

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	10100	10120	mg/Kg	1	6250	4130	95	0	35 - 144	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23913

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0921	92	85 - 115	10/2/02
Benzene		mg/L	0.10	0.0947	95	85 - 115	10/2/02
Toluene		mg/L	0.10	0.0947	95	85 - 115	10/2/02
Ethylbenzene		mg/L	0.10	0.0958	96	85 - 115	10/2/02
M,P,O-Xylene		mg/L	0.30	0.282	94	85 - 115	10/2/02

CCV (2) QCBatch: QC23913

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.088	88	85 - 115	10/2/02
Benzene		mg/L	0.10	0.092	92	85 - 115	10/2/02
Toluene		mg/L	0.10	0.092	92	85 - 115	10/2/02
Ethylbenzene		mg/L	0.10	0.092	92	85 - 115	10/2/02
M,P,O-Xylene		mg/L	0.30	0.267	89	85 - 115	10/2/02

ICV (1) QCBatch: QC23913

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.0932	93	85 - 115	10/2/02
Benzene		mg/L	0.10	0.0957	96	85 - 115	10/2/02
Toluene		mg/L	0.10	0.0965	96	85 - 115	10/2/02
Ethylbenzene		mg/L	0.10	0.0973	97	85 - 115	10/2/02
M,P,O-Xylene		mg/L	0.30	0.286	95	85 - 115	10/2/02

CCV (1) QCBatch: QC23978

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/L	100	93.3	93	80 - 120	10/7/02

CCV (2) QCBatch: QC23978

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/L	100	92.9	92	80 - 120	10/7/02

ICV (1) QCBatch: QC23978

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/L	100	93.6	93	80 - 120	10/7/02

CCV (1) QCBatch: QC24004

Report Date: October 16, 2002
CH2100

Order Number: A02100208
Champion Tech

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Hobbs,NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.09	109	90 - 110	10/8/02
Total Chromium		mg/L	0.20	0.203	102	90 - 110	10/8/02
Total Lead		mg/L	1	1.00	100	90 - 110	10/8/02

ICV (1) QCBatch: QC24004

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.05	105	95 - 105	10/8/02
Total Chromium		mg/L	0.20	0.199	100	95 - 105	10/8/02
Total Lead		mg/L	1	1.01	101	95 - 105	10/8/02

CCV (1) QCBatch: QC24018

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.84	94	90 - 110	10/8/02

ICV (1) QCBatch: QC24018

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.76	94	90 - 110	10/8/02

CCV (1) QCBatch: QC24019

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.76	94	90 - 110	10/8/02

ICV (1) QCBatch: QC24019

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.82	94	90 - 110	10/8/02

CCV (1) QCBatch: QC24067

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/L	100	92.9	92	80 - 120	10/3/02

CCV (2) QCBatch: QC24067

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/L	100	93.2	93	80 - 120	10/3/02

ICV (1) QCBatch: QC24067

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/L	100	93.3	93	80 - 120	10/3/02

CCV (1) QCBatch: QC24071

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	0.983	98	90 - 110	10/10/02
Total Chromium		mg/L	0.20	0.202	101	90 - 110	10/10/02
Total Lead		mg/L	1	0.994	99	90 - 110	10/10/02

ICV (1) QCBatch: QC24071

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.01	101	95 - 105	10/10/02
Total Chromium		mg/L	0.20	0.201	100	95 - 105	10/10/02
Total Lead		mg/L	1	0.988	99	95 - 105	10/10/02

CCV (1) QCBatch: QC24104

Continued ...

Report Date: October 16, 2002
CH2100

Order Number: A02100208
Champion Tech

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Hobbs,NM

... Continued

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50	48.0	96	80 - 120	10/10/02
1,1-Dichloroethene		µg/L	50	50.0	100	80 - 120	10/10/02
Chloroform		µg/L	50	51.0	102	80 - 120	10/10/02
1,2-Dichloropropane		µg/L	50	52.0	104	80 - 120	10/10/02
Toluene		µg/L	50	52.0	104	80 - 120	10/10/02
Chlorobenzene		µg/L	50	53.0	106	80 - 120	10/10/02
Ethylbenzene		µg/L	50	54.0	108	80 - 120	10/10/02
Dibromofluoromethane		µg/L	50	46.2	92	80 - 120	10/10/02
Toluene-d8		µg/L	50	48.0	96	80 - 120	10/10/02
4-Bromofluorobenzene		µg/L	50	49.5	99	80 - 120	10/10/02

CCV (1)

QCBatch: QC24151

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/L	60	62.36	103	80 - 120	10/14/02
1,4-Dichlorobenzene		mg/L	60	59.74	99	80 - 120	10/14/02
2-Nitrophenol		mg/L	60	70.37	117	80 - 120	10/14/02
2,4-Dichlorophenol		mg/L	60	60.78	101	80 - 120	10/14/02
Hexachlorobutadiene		mg/L	60	56.33	93	80 - 120	10/14/02
4-Chloro-3-methylphenol		mg/L	60	53.71	89	80 - 120	10/14/02
2,4,6-Trichlorophenol		mg/L	60	62.29	103	80 - 120	10/14/02
Acenaphthene		mg/L	60	59.8	99	80 - 120	10/14/02
Diphenylamine		mg/L	60	62.41	104	80 - 120	10/14/02
Pentachlorophenol		mg/L	60	61.59	102	80 - 120	10/14/02
Fluoranthene		mg/L	60	60.7	101	80 - 120	10/14/02
Di-n-octylphthalate		mg/L	60	64.08	106	80 - 120	10/14/02
Benzo(a)pyrene		mg/L	60	58.66	97	80 - 120	10/14/02
2-Fluorophenol		mg/L	60	63.04	105	80 - 120	10/14/02
Phenol-d5		mg/L	60	62.22	103	80 - 120	10/14/02
Nitrobenzene-d5		mg/L	60	58.28	97	80 - 120	10/14/02
2-Fluorobiphenyl		mg/L	60	62.43	104	80 - 120	10/14/02
2,4,6-Tribromophenol		mg/L	60	60.15	100	80 - 120	10/14/02
Terphenyl-d14		mg/L	60	48.29	80	80 - 120	10/14/02

CCV (1)

QCBatch: QC24159

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	12.30	98	90 - 110	10/14/02

Report Date: October 16, 2002
CH2100

Order Number: A02100208
Champion Tech

Page Number: 26 of 26
Hobbs,NM

ICV (1) QCBatch: QC24159

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	12.24	97	90 - 110	10/14/02

209419-41

Page 1 of 3

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Fax (915) 585-4944
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # PA02100208

Company Name: ETGI
Address: (Street, City, Zip) 4600 W. Wall 79703
Contact Person: Todd Chopan

Phone #: (915) 522-1139
Fax #: (915) 520-4310

Invoice to:
(If different from above)

Project #: CH2100

Project Name:

Project Location: Hobbs/Champion Facility

Sampler Signature: Jason Henry

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE 8021B/602	BTEX 8021B/602	CPH 418, JTX1005	PAH 8270C	Total Metals Ag As Ba	TCLP Metals Ag As Ba	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/622	GC/MS Semi. Vol. 827	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Chlorides	Chromium	Turn Around Time if different	Hold																															
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME																																																		
209419	SB-57 15'	1	4oz	X							X			9-27	1243																																																		
420	SB-57 25'	3	1	X							X			9-27	1325	X	X																																																
421	SB-57 45'	3													1325	X	X																																																
422	SB-57 57'	3													1425																																																		
423	SB-58 2.5'	3												9-30	1420																																																		
424	SB-58 10'	4												9-30	1030	X	X																																																
425	SB-58 15'	1												9-30	1641																																																		
426	SB-58 25'	4												9-30	1405	X	X																																																
8208 8260 8270 8270 8270 8270 8270 8270 8270 8270 8270 8270 8270 8270 8270 8270 8270 8270																																																																	
427	SB-58 5'	4	L											9-30	1018																																																		

Relinquished by: Jason Henry Date: 10-01-02 Time: 0800

Received by: Jason Henry Date: 10-01-02 Time: 0815

Relinquished by: Jason Henry Date: 10/01/02 Time: 1600

Received by: Helen Shelton Date: 10/01/02 Time: 1600

Relinquished by: Helen Shelton Date: 10/01/02 Time: 1830

Received at Laboratory by: Vicki Henry Date: 10-2-02 Time: 10:00

LAB USE ONLY

Intact Y N
Headspace Y / N
Temp 7 °
Log-in Review W

REMARKS:

Please run VOC & SVOC on
Sample w/ highest TPH result
11/8260-8270 per MS p/b
209419

☐ Check If Special Reporting
Limits Are Needed

Carrier # Keyhound 163566 881 5

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

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23 samples HS

10/17/02

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A02100208

Company Name:

ETGI

Phone #:

(915) 522-1139

Address: (Street, City, Zip)

4600 W Wall, 79703

Fax #:

(915) 520-4310

Contact Person:

Todd Choban

Invoice to:
(If different from above)

Project #:

CH2100

Project Name:

Project Location:

Hobbs/Champion Facility

Sample Signature:

Jason Henry

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		MTBE 8021B/602	BTEX 8021B/602	TPH 418, TPH 1005	PAH 8270C	Total Metals Ag As Ba	TCLP Metals Ag As Ba	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/62	GC/MS Semi. Vol. 827	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Chlorides	Chromium	Turn Around Time if diff	Hold		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME																					
209428	SB-49-5'	4	4oz	X							X			9-27	0835	X	X																			
429	SB-49-10'	3													0840																				X	
430	SB-49-15'	2													0847																				X	
431	SB-49-20'	1													0854																				X	
	SB-49-25'																																			X
432	SB-49-40'	2													0940	X	X																		X	
433	SB-49-50'	2													1015	X	X																		X	
434	SB-49-57'	1													1045																				X	
435	SB-57-2	4													1215																				X	
436	SB-57-5'	4													1223	X	X																		X	
437	SB-57-10'	4													1229	X	X																		X	

Relinquished by: <u>Jason Henry</u>	Date: <u>10-01-02</u> Time: <u>0800</u>	Received by: <u>Jason Henry</u>	Date: <u>10-01-02</u> Time: <u>0815</u>	LAB USE ONLY Intact <u>Y/N</u> Headspace <u>Y/N</u> Temp <u>4</u> ° Log-in Review <u>MM</u> Carrier # <u>Keyboard 163564 881 3</u>	REMARKS: Please run VOC & SVOC on sample w/ highest TPH result. Thanks <input type="checkbox"/> Check If Special Reporting Limits Are Needed
Relinquished by: <u>Jason Henry</u>	Date: <u>10/01/02</u> Time: <u>1600</u>	Received by: <u>Helena Shelton</u>	Date: <u>10/01/02</u> Time: <u>1600</u>		
Relinquished by: <u>Helena Shelton</u>	Date: <u>10/01/02</u> Time: <u>1830</u>	Received at Laboratory by: <u>Chicki Davis</u>	Date: <u>10-2-02</u> Time: <u>10:00</u>		

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27 samples - HS

Carrier # Waymond 163.564 8815

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 28, 2002
CH2100

Order Number: A02100208

Champion Tech

Page Number: 1 of 1
Hobbs,NM

Summary Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 28, 2002

Order ID Number: A02100208

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs,NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209424	SB-58 10'	Soil	9/27/02	10:30	10/2/02

0 This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample: 209424 - SB-58 10'

Param	Flag	Result	Units
SPLP Chromium		0.230	mg/L
SPLP Lead		0.0885	mg/L

This is only a summary. Please, refer to the complete report package for quality control data.



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El Paso, Texas 79932

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888•588•3443

806•794•1296
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FAX 806•794•1298
FAX 915•585•4944

E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: October 28, 2002

Order ID Number: A02100208

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209424	SB-58 10'	Soil	9/27/02	10:30	10/2/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH.

The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.

Dr. Blair Leftwich, Director

Report Date: October 28, 2002
CH2100

Order Number: A02100208
Champion Tech

Page Number: 2 of 4
Hobbs, NM

Analytical Report

Sample: 209424 - SB-58 10'

Analysis: SPLP Metals Analytical Method: S 6010B QC Batch: QC24468 Date Analyzed: 10/27/02
Analyst: RR Preparation Method: SPLP 1312 Prep Batch: PB22793 Date Prepared: 10/24/02

Param	Flag	Result	Units	Dilution	RDL
SPLP Chromium		0.230	mg/L	1	0.005
SPLP Lead		0.0885	mg/L	1	0.01

Quality Control Report Method Blank

Method Blank QCBatch: QC24468

Param	Flag	Results	Units	Reporting Limit
SPLP Chromium		<0.005	mg/L	0.005
SPLP Lead		<0.010	mg/L	0.01

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC24468

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
SPLP Chromium	0.101	0.100	mg/L	1	0.10	<0.005	101	0	80 - 120	20
SPLP Lead	0.517	0.514	mg/L	1	0.50	<0.010	103	0	80 - 120	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC24468

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
SPLP Chromium	0.330	0.334	mg/L	1	0.10	0.230	100	3	75 - 125	20
SPLP Lead	0.590	0.610	mg/L	1	0.50	0.0885	100	3	75 - 125	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC24468

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chromium		mg/L	0.20	0.200	100	90 - 110	10/27/02
SPLP Lead		mg/L	1	0.980	98	90 - 110	10/27/02

Report Date: October 28, 2002
CH2100

Order Number: A02100208
Champion Tech

Page Number: 4 of 4
Hobbs,NM

ICV (1) QCBatch: QC24468

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chromium		mg/L	0.20	0.198	99	90 - 110	10/27/02
SPLP Lead		mg/L	1	0.968	96	90 - 110	10/27/02

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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A02100208

ANALYSIS REQUEST

(Circle or Specify Method No.)

Company Name: ETGI

Phone #: (915) 522-1139

Address: (Street, City, Zip)

Fax #: (915) 520-4310

Contact Person: Todd Chopan

Invoice to:
(If different from above)

Project #: CH21010

Project Name:

Project Location: Hobbs/Champion Facility

Sampler Signature:

[illegible]

Relinquished by: _____ Date: 10-01-02 Time: 0800 Received by: _____ Date: _____ Time: 0815

Relinquished by: <i>[Signature]</i>	Date: <i>10/01/02</i>	Time: <i>1600</i>	Received by: <i>[Signature]</i>	Date: <i>10/01/02</i>	Time: <i>1600</i>
-------------------------------------	-----------------------	-------------------	---------------------------------	-----------------------	-------------------

Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
Glenn Helton	10/01/02	1830	Rich Nease	10/02/02	10:00

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

ORIGINAL COPY

23 samples HS

LAB USE ONLY

Intact ☒ Y ☐ N

Headspace ☒ Y / N

Temp

Log-in Review

REMARKS:

Please run VOC & SVOC on
Sample w/ highest TPH result
A11 8260-8270 per MS w/ per
209424

☐ Check If Special Reporting Limits Are Needed

Carrier # Allyhound 163566 881 5

209428-37

Page 1 of 1

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

A02100208

ANALYSIS REQUEST

(Circle or Specify Method No.)

Company Name: ETGI Phone #: (915) 522-1139
Address: (Street, City, Zip) 4600 W. Wall, 79703 Fax #: (915) 526-4310
Contact Person: Todd Choban

Invoice to:
(If different from above)

Project #: CH2100 Project Name:

Project Location: Nobbs/Champion Facility Sample Signature: Jason Henry

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418, JTX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Chlorides	Chromium, Arsenic, Lead	Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE																							
209428	SB-49-5'	4	4oz	X								X				9-27	0835	X	X	X																
429	SB-49-10'	3															0840																			X
430	SB-49-15'	2															0847																			X
431	SB-49-20'	1															0854																			X
432	SB-49-40'	2															0940	X	X																	X
433	SB-49-50'	2															1015	X	X																	X
434	SB-49-57'	1															1045																			X
435	SB-57-2	4															1215																			X
436	SB-57-5'	4															1222	X	X																	X
437	SB-57-10'	4															1222	X	X																	X

Relinquished by: Jason Henry Date: 10-01-02 Time: 0800 Received by: Jason Henry Date: 10-01-02 Time: 0815

Relinquished by: Jason Henry Date: 10/01/02 Time: 1600 Received by: Delene Shelton Date: 10/01/02 Time: 1600

Relinquished by: Delene Shelton Date: 10/01/02 Time: 1830 Received at Laboratory by: Chris Davis Date: 10-2-02 Time: 10:00

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. 27 samples - HS
ORIGINAL COPY

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Carrier #

Krayford 163566 881 3

REMARKS:

Please run VOC + SVOC on sample w/ highest TPH result.
Thanks

10/2

☐ Check If Special Reporting Limits Are Needed

TRACE ANALYSIS, INC.

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CORRECTED CERTIFICATE

Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: November 12, 2002

Order ID Number: A02100420

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209639	SB-52 5'	Soil	10/2/02	12:40	10/4/02
209641	SB-52 25'	Soil	10/2/02	13:42	10/4/02
209644	SB-52 45'	Soil	10/2/02	14:45	10/4/02
209647	SB-50 10'	Soil	10/1/02	9:54	10/4/02
209648	SB-50 25'	Soil	10/1/02	10:17	10/4/02
209651	SB-61 10'	Soil	10/1/02	13:03	10/4/02
209655	SB-55 5'	Soil	10/2/02	9:55	10/4/02
209656	SB-55 20'	Soil	10/2/02	10:07	10/4/02
209657	SB-55 40'	Soil	10/2/02	10:27	10/4/02
209658	SB-56 5'	Soil	10/2/02	9:37	10/4/02
209659	SB-56 20'	Soil	10/2/02	9:45	10/4/02
209660	SB-56 40'	Soil	10/2/02	9:05	10/4/02
209664	SB-47 5'	Soil	10/1/02	9:28	10/4/02
209665	SB-64	Soil	10/2/02	9:08	10/4/02

Comment: Chloride LCS results have been corrected. Method Blank (Matrix) was added.

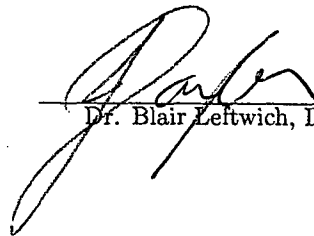
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Note: the RDL is equal to MQL for all organic analytes including TPH.

The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of Trace Analysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 209639 - SB-52 5'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24019 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22434 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		52.7	mg/Kg	5	1

Sample: 209639 - SB-52 5'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24071 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		2.27	mg/Kg	100	0.01

Sample: 209641 - SB-52 25'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		43.7	mg/Kg	5	1

Sample: 209641 - SB-52 25'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24072 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		2.27	mg/Kg	100	0.01

Sample: 209644 - SB-52 45'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		38.7	mg/Kg	5	1

Sample: 209644 - SB-52 45'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24072 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		2.60	mg/Kg	100	0.01

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Sample: 209647 - SB-50 10'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23988 Date Analyzed: 10/7/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22416 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.835	mg/Kg	10	1	83	70 - 130
4-BFB		0.873	mg/Kg	10	1	87	70 - 130

Sample: 209647 - SB-50 10'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24013 Date Analyzed: 10/9/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22430 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

Sample: 209647 - SB-50 10'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24072 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		5.99	mg/Kg	100	0.01
Total Lead		3.17	mg/Kg	100	0.01

Sample: 209648 - SB-50 25'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23988 Date Analyzed: 10/7/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22416 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.896	mg/Kg	10	1	89	70 - 130
4-BFB		0.895	mg/Kg	10	1	89	70 - 130

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Sample: 209648 - SB-50 25'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24014 Date Analyzed: 10/9/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22430 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

Sample: 209648 - SB-50 25'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24072 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		2.01	mg/Kg	100	0.01
Total Lead		<1.00	mg/Kg	100	0.01

Sample: 209651 - SB-61 10'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23988 Date Analyzed: 10/7/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22416 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.807	mg/Kg	10	1	80	70 - 130
4-BFB		0.796	mg/Kg	10	1	79	70 - 130

Sample: 209651 - SB-61 10'


Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		27.4	mg/Kg	5	1

Sample: 209651 - SB-61 10'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24014 Date Analyzed: 10/9/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22430 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10



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Sample: 209651 - SB-61 10'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24072 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22421 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		4.22	mg/Kg	100	0.01
Total Lead		2.38	mg/Kg	100	0.01

Sample: 209655 - SB-55 5'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		249	mg/Kg	10	1

Sample: 209655 - SB-55 5'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24073 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22443 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		3.25	mg/Kg	100	0.01

Sample: 209656 - SB-55 20'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		390	mg/Kg	50	1

Sample: 209656 - SB-55 20'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24073 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22443 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		3.57	mg/Kg	100	0.01

Sample: 209657 - SB-55 40'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		92.0	mg/Kg	5	1

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Sample: 209657 - SB-55 40'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24073 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22443 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		3.19	mg/Kg	100	0.01

Sample: 209658 - SB-56 5'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		33.3	mg/Kg	5	1

Sample: 209658 - SB-56 5'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24073 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22443 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		5.62	mg/Kg	100	0.01

Sample: 209659 - SB-56 20'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24018 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22437 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		139	mg/Kg	5	1

Sample: 209659 - SB-56 20'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24073 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22443 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		5.57	mg/Kg	100	0.01

Sample: 209660 - SB-56 40'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24018 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22437 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		61.9	mg/Kg	5	1

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Sample: 209660 - SB-56 40'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24073 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22443 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
Total Chromium		2.80	mg/Kg	100	0.01

Sample: 209664 - SB-47 5'

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23988 Date Analyzed: 10/7/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22416 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.898	mg/Kg	10	1	89	70 - 130
4-BFB		0.958	mg/Kg	10	1	95	70 - 130

Sample: 209664 - SB-47 5'

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		2940	mg/Kg	500	1

Sample: 209664 - SB-47 5'

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24014 Date Analyzed: 10/9/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22430 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

Sample: 209664 - SB-47 5'

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24073 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22443 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Chromium		2.96	mg/Kg	100	0.01
Total Lead		1.04	mg/Kg	100	0.01

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Sample: 209665 - SB-64

Analysis: BTEX Analytical Method: S 8021B QC Batch: QC23988 Date Analyzed: 10/7/02
Analyst: CG Preparation Method: S 5035 Prep Batch: PB22416 Date Prepared: 10/7/02

Param	Flag	Result	Units	Dilution	RDL
Benzene		<0.010	mg/Kg	10	0.001
Toluene		<0.010	mg/Kg	10	0.001
Ethylbenzene		<0.010	mg/Kg	10	0.001
M,P,O-Xylene		<0.010	mg/Kg	10	0.001
Total BTEX		<0.010	mg/Kg	10	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.846	mg/Kg	10	1	84	70 - 130
4-BFB		0.903	mg/Kg	10	1	90	70 - 130

Sample: 209665 - SB-64

Analysis: TPH Analytical Method: E 418.1 QC Batch: QC24014 Date Analyzed: 10/9/02
Analyst: WG Preparation Method: N/A Prep Batch: PB22430 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
TRPHC		<10.0	mg/Kg	1	10

Sample: 209665 - SB-64

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC24073 Date Analyzed: 10/10/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB22443 Date Prepared: 10/9/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		5.66	mg/Kg	100	0.05
Total Chromium		3.03	mg/Kg	100	0.01
Total Lead		<1.00	mg/Kg	100	0.01

Quality Control Report Method Blank

Method Blank QCBatch: QC23988

Param	Flag	Results	Units	Reporting Limit
Benzene		<0.010	mg/Kg	0.001
Toluene		<0.010	mg/Kg	0.001
Ethylbenzene		<0.010	mg/Kg	0.001
M,P,O-Xylene		<0.010	mg/Kg	0.001
Total BTEX		<0.010	mg/Kg	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		1.03	mg/Kg	10	1	103	70 - 130
4-BFB		0.746	mg/Kg	10	1	75	70 - 130

Method Blank QCBatch: QC24013

Param	Flag	Results	Units	Reporting Limit
TRPHC		<10.0	mg/Kg	10

Method Blank QCBatch: QC24014

Param	Flag	Results	Units	Reporting Limit
TRPHC		<10.0	mg/Kg	10

Method Blank QCBatch: QC24018

Param	Flag	Results	Units	Reporting Limit
Chloride		22.74	mg/Kg	1

Method Blank QCBatch: QC24019

Param	Flag	Results	Units	Reporting Limit
Chloride		14.03	mg/Kg	1

Method Blank QCBatch: QC24021

Param	Flag	Results	Units	Reporting Limit
Chloride	1	<1.0	mg/L	1

Method Blank QCBatch: QC24071

Param	Flag	Results	Units	Reporting Limit
Total Chromium		<0.010	mg/Kg	0.01

Method Blank QCBatch: QC24072

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<0.050	mg/Kg	0.05
Total Chromium		<0.010	mg/Kg	0.01
Total Lead		<0.010	mg/Kg	0.01

Method Blank QCBatch: QC24073

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<0.050	mg/Kg	0.05
Total Chromium		<0.010	mg/Kg	0.01
Total Lead		<0.010	mg/Kg	0.01

Quality Control Report

Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC23988

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
MTBE	0.940	0.914	mg/Kg	10	1	<0.010	94	2	70 - 130	20
Benzene	0.917	0.845	mg/Kg	10	1	<0.010	91	8	70 - 130	20
Toluene	0.833	0.764	mg/Kg	10	1	<0.010	83	8	70 - 130	20
Ethylbenzene	0.864	0.801	mg/Kg	10	1	<0.010	86	7	70 - 130	20
M,P,O-Xylene	2.75	2.54	mg/Kg	10	3	<0.010	91	7	70 - 130	20

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

¹Method Blank (Matrix) 29.57 mg/kg in soil.

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Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	0.971	0.892	mg/Kg	10	1	97	89	70 - 130
4-BFB	0.86	0.785	mg/Kg	10	1	86	78	70 - 130

Laboratory Control Spikes QCBatch: QC24013

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	240	242	mg/Kg	1	250	<10.0	96	0	74 - 110	20

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

Laboratory Control Spikes QCBatch: QC24014

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	240	242	mg/Kg	1	250	<10.0	96	0	74 - 110	20

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

Laboratory Control Spikes QCBatch: QC24018

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	² 34.61	³ 34.68	mg/Kg	1	12.50	22.74	95	0	90 - 110	20

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

Laboratory Control Spikes QCBatch: QC24019

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	⁴ 25.70	⁵ 25.75	mg/Kg	1	12.50	14.03	93	0	90 - 110	20

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

Laboratory Control Spikes QCBatch: QC24021

Continued ...

²Blank soil should be subtracted from the sample. %EA = 95 and RPD = 0.

³Blank soil should be subtracted from the sample. %EA = 95 and RPD = 0.

⁴Blank soil should be subtracted from the sample. %EA = 93 and RPD = 0.

⁵Blank soil should be subtracted from the sample. %EA = 93 and RPD = 0.

... Continued

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	⁶ 40.1	⁷ 41.1	mg/Kg	1	12.50	<1.0	91	2	90 - 110	20

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

Laboratory Control Spikes QCBatch: QC24071

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	44.4	43.5	mg/Kg	100	50	<0.050	88	2	75 - 125	20
Total Chromium	10.4	10.3	mg/Kg	100	10	<0.010	104	0	75 - 125	20
Total Lead	49.3	49.6	mg/Kg	100	50	<0.010	98	0	75 - 125	20

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

Laboratory Control Spikes QCBatch: QC24072

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	44.4	43.5	mg/Kg	100	50	<0.050	88	2	75 - 125	20
Total Barium	102	102	mg/Kg	100	100	<0.100	102	0	75 - 125	20
Total Cadmium	25.2	25.1	mg/Kg	100	25	<0.005	100	0	75 - 125	20
Total Chromium	10.4	10.3	mg/Kg	100	10	<0.010	104	0	75 - 125	20
Total Lead	49.3	49.6	mg/Kg	100	50	<0.010	98	0	75 - 125	20
Total Selenium	42.0	40.8	mg/Kg	100	50	0.0201	84	2	75 - 125	20
Total Silver	12.4	12.4	mg/Kg	100	12.50	<0.002	99	0	75 - 125	20

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

Laboratory Control Spikes QCBatch: QC24073

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	42.3	40.8	mg/Kg	100	50	<0.050	84	3	75 - 125	20
Total Barium	103	96.9	mg/Kg	100	100	<0.100	103	6	75 - 125	20
Total Cadmium	25.0	24.0	mg/Kg	100	25	<0.005	100	4	75 - 125	20
Total Chromium	10.5	9.98	mg/Kg	100	10	<0.010	105	5	75 - 125	20
Total Lead	48.6	47.3	mg/Kg	100	50	<0.010	97	2	75 - 125	20
Total Selenium	40.9	39.5	mg/Kg	100	50	0.0153	81	3	75 - 125	20
Total Silver	12.4	11.8	mg/Kg	100	12.50	<0.002	99	4	75 - 125	20

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

⁶Blank soil should be subtracted from the sample. %IA = 91 and RPD = 0.

⁷Blank soil should be subtracted from the sample. %IA = 91 and RPD = 0.

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC23988

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Benzene	0.818	0.85	mg/Kg	10	1	<0.010	81	3	70 - 130	20
Toluene	0.973	1.08	mg/Kg	10	1	<0.010	97	10	70 - 130	20
Ethylbenzene	0.825	0.93	mg/Kg	10	1	<0.010	82	11	70 - 130	20
M,P,O-Xylene	2.42	2.74	mg/Kg	10	3	<0.010	80	12	70 - 130	20

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

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
TFT	0.83	0.884	mg/Kg	10	1	83	88	70 - 130
4-BFB	0.919	1	mg/Kg	10	1	91	100	70 - 130

Matrix Spikes QCBatch: QC24013

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	830	842	mg/Kg	1	250	558	108	4	70 - 130	20

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

Matrix Spikes QCBatch: QC24014

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
TRPHC	240	223	mg/Kg	1	250	<10.0	96	7	70 - 130	20

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

Matrix Spikes QCBatch: QC24018

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	25000	25000	mg/Kg	1	12500	13100	95	0	35 - 144	20

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

Matrix Spikes QCBatch: QC24019

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	1130	1130	mg/Kg	1	625	536	95	0	35 - 144	20

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

Matrix Spikes QCBatch: QC24021

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	9160	9220	mg/Kg	1	6250	2940	99	0	35 - 144	20

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

Matrix Spikes QCBatch: QC24071

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Chromium	21.6	21.0	mg/Kg	100	10	9.56	120	5	75 - 125	20

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

Matrix Spikes QCBatch: QC24072

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	56.2	54.3	mg/Kg	100	50	9.45	93	4	75 - 125	20
Total Chromium	19.7	19.9	mg/Kg	100	10	8.71	109	1	75 - 125	20
Total Lead	58.9	60.4	mg/Kg	100	50	8.95	99	2	75 - 125	20

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

Matrix Spikes QCBatch: QC24073

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	46.8	49.0	mg/Kg	100	50	<5.00	93	4	75 - 125	20
Total Chromium	22.0	21.3	mg/Kg	100	10	10.0	119	6	75 - 125	20
Total Lead	62.0	60.3	mg/Kg	100	50	8.68	106	3	75 - 125	20

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

Quality Control Report

Continuing Calibration Verification Standards

CCV (1) QCBatch: QC23988

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.111	111	85 - 115	10/7/02
Benzene		mg/L	0.10	0.101	101	85 - 115	10/7/02
Toluene		mg/L	0.10	0.098	98	85 - 115	10/7/02
Ethylbenzene		mg/L	0.10	0.099	99	85 - 115	10/7/02
M,P,O-Xylene		mg/L	0.30	0.305	101	85 - 115	10/7/02

ICV (1) QCBatch: QC23988

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/L	0.10	0.106	106	85 - 115	10/7/02
Benzene		mg/L	0.10	0.099	99	85 - 115	10/7/02
Toluene		mg/L	0.10	0.096	96	85 - 115	10/7/02
Ethylbenzene		mg/L	0.10	0.098	98	85 - 115	10/7/02
M,P,O-Xylene		mg/L	0.30	0.307	102	85 - 115	10/7/02

CCV (1) QCBatch: QC24013

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	94.3	94	80 - 120	10/9/02

CCV (2) QCBatch: QC24013

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	94.1	94	80 - 120	10/9/02

ICV (1) QCBatch: QC24013

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	94.0	94	80 - 120	10/9/02

CCV (1) QCBatch: QC24014

Report Date: November 12, 2002
CH2100

Order Number: A02100420
Champion Tech

Page Number: 17 of 19
Hobbs,NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	94.6	94	80 - 120	10/9/02

ICV (1) QCBatch: QC24014

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
TRPHC		mg/Kg	100	94.0	94	80 - 120	10/9/02

CCV (1) QCBatch: QC24018

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.84	94	90 - 110	10/8/02

ICV (1) QCBatch: QC24018

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.76	94	90 - 110	10/8/02

CCV (1) QCBatch: QC24019

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.76	94	90 - 110	10/8/02

ICV (1) QCBatch: QC24019

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.82	94	90 - 110	10/8/02

CCV (1) QCBatch: QC24021

Report Date: November 12, 2002
CH2100

Order Number: A02100420
Champion Tech

Page Number: 18 of 19
Hobbs, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.76	94	90 - 110	10/8/02

ICV (1) QCBatch: QC24021

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.76	94	90 - 110	10/8/02

CCV (1) QCBatch: QC24071

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	0.983	98	90 - 110	10/10/02
Total Chromium		mg/L	0.20	0.202	101	90 - 110	10/10/02
Total Lead		mg/L	1	0.994	99	90 - 110	10/10/02

ICV (1) QCBatch: QC24071

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1	1.01	101	95 - 105	10/10/02
Total Chromium		mg/L	0.20	0.201	100	95 - 105	10/10/02
Total Lead		mg/L	1	0.988	99	95 - 105	10/10/02

CCV (1) QCBatch: QC24072

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	0.986	99	90 - 110	10/10/02
Total Barium		mg/Kg	2	2.01	100	90 - 110	10/10/02
Total Cadmium		mg/Kg	0.50	0.502	100	90 - 110	10/10/02
Total Chromium		mg/Kg	0.20	0.200	100	90 - 110	10/10/02
Total Lead		mg/Kg	1	0.983	98	90 - 110	10/10/02
Total Selenium		mg/Kg	1	0.954	93	90 - 110	10/10/02
Total Silver		mg/Kg	0.25	0.250	100	90 - 110	10/10/02

ICV (1) QCBatch: QC24072

Report Date: November 12, 2002
CH2100

Order Number: A02100420
Champion Tech

Page Number: 19 of 19
Hobbs, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	1.01	101	95 - 105	10/10/02
Total Barium		mg/Kg	2	1.98	99	95 - 105	10/10/02
Total Cadmium		mg/Kg	0.50	0.498	100	95 - 105	10/10/02
Total Chromium		mg/Kg	0.20	0.201	100	95 - 105	10/10/02
Total Lead		mg/Kg	1	0.988	99	95 - 105	10/10/02
Total Selenium		mg/Kg	1	0.978	96	95 - 105	10/10/02
Total Silver		mg/Kg	0.25	0.247	99	95 - 105	10/10/02

CCV (1) QCBatch: QC24073

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	0.998	100	90 - 110	10/10/02
Total Barium		mg/Kg	2	1.98	99	90 - 110	10/10/02
Total Cadmium		mg/Kg	0.50	0.497	99	90 - 110	10/10/02
Total Chromium		mg/Kg	0.20	0.202	101	90 - 110	10/10/02
Total Lead		mg/Kg	1	1.00	100	90 - 110	10/10/02
Total Selenium		mg/Kg	1	0.972	96	90 - 110	10/10/02
Total Silver		mg/Kg	0.25	0.246	98	90 - 110	10/10/02

ICV (1) QCBatch: QC24073

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	1.01	101	95 - 105	10/10/02
Total Barium		mg/Kg	2	1.98	99	95 - 105	10/10/02
Total Cadmium		mg/Kg	0.50	0.498	100	95 - 105	10/10/02
Total Chromium		mg/Kg	0.20	0.201	100	95 - 105	10/10/02
Total Lead		mg/Kg	1	0.988	99	95 - 105	10/10/02
Total Selenium		mg/Kg	1	0.978	96	95 - 105	10/10/02
Total Silver		mg/Kg	0.25	0.247	99	95 - 105	10/10/02

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TraceAnalysis, Inc.

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El Paso, Texas 79932
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1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A02100420

Company Name: ETGI Phone #: (915) 522-1139
Address: 4600 W. Wall 79703 Fax #: (915) 528-4310
Contact Person: Todd Choban

Invoice to:
(If different from above)

Project #: CH2100 Project Name: _____

Project Location: Hobbs Champion Facility Sampler Signature: _____

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
209641	SB-52 45'	4	4oz	X								X		10-02	1445		
45	SB-50 2'	4												10-01	0940		X
46	SB-50 5'	3												10-01	0947		X
47	SB-50 10'	4												10-01	0954	X	X
48	SB-50 25'	1												10-01	1017	X	X
49	SB-61 2'	4												10-01	1245		X
50	SB-61 5'	2												10-01	1253		X
51	SB-61 10'	4												10-01	1303	X	X
52	SB-60 2.5'	4												10-01	835		X
53	SB-60 5'	4												10-01	842		X
54	SB-60 10'	4												10-01	852		X

MTBE 8021B/602

BTEX 8021B/602

TPH 418.17X1005

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

TCLP Pesticides

RCI

GC/MS Vol. 8260B/624

GC/MS Semi. Vol. 8270C/625

PCB's 8082/608

Pesticides 8081A/608

BOD, TSS, pH

Chlorides

Chromium

Arsenic, Lead

Turn Around Time if different from standard

Hold

Relinquished by: Jason Henry Date: 10-03-02 Time: 0900
Received by: Jason Henry Date: 10-03-02 Time: 0800

Relinquished by: Jason Henry Date: 10/03/02 Time: 1435
Received by: Nelson Shelton Date: 10/03/02 Time: 1435

Relinquished by: Nelson Shelton Date: 10/03/02 Time: 1830
Received at Laboratory by: Julie King Date: 10-4-02 Time: 10:00

LAB USE ONLY

Intact Y/N

Headspace Y/N

Temp 2

Log-In Review NA

Carrier # Greyhound GLI 300-619-695-3

REMARKS:

☐ Check If Special Reporting Limits Are Needed

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

ORIGINAL COPY

38 samples-HS

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # AD2100420

Company Name: ETGI Phone #: (915) 522-1139
Address: 4400 W. Wall 79703 Fax #: (915) 528-4310
Contact Person: Todd Chaban
Invoice to: (If different from above)
Project #: CH2100 Project Name:
Project Location: Hobbs/Champion Facility Sampler Signature: Jason Henry

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		DATE	TIME	MTBE 8021B/602	BTX 8021B/602	TPH 418.1/1X1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Chromium	Chlorides	Arsenic, Lead	Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE																								
209655	SB-55	5'	2	402												10-02	0955																				
54	SB-55	20'	2													10-02	1007																				
57	SB-55	40'	2													10-02	1027																				
58	SB-56	5'	2													10-02	0937																				
59	SB-56	20'	1													10-02	0945																				
60	SB-56	40'	2													10-02	0905																				
61	SB-48	2.5'	4													10-02	1004																				X
62	SB-48	5'	4													10-02	1012																				X
63	SB-47	2.5'	2													10-01	0920																				X
64	SB-47	5'	4													10-01	0928	X	X																		
65	SB-64		4													10-02	0908	X	X																		

Relinquished by: Jason Henry Date: 10-03-02 Time: 0800
Received by: Jim Y... Date: 10-03-02 Time: 0800
Relinquished by: Jim Y... Date: 10-03-02 Time: 1435
Received by: Shelton Date: 10-03-02 Time: 1435
Relinquished by: Shelton Date: 10-03-02 Time: 1830
Received at Laboratory by: Victor Date: 10-4-02 Time: 10:00

LAB USE ONLY
Intact ☒ / N
Headspace ☐ / N
Temp 2°
Log-in Review MA
Carrier # Shelton GLI 300-619-685-3
REMARKS:
☐ Check if Special Reporting Limits Are Needed

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: March 12, 2003
CH2100

Order Number: A02100420
Champion Tech

Page Number: 1 of 1
Hobbs,NM

Summary Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: March 12, 2003

Order ID Number: A02100420

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs,NM

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209647	SB-50 10	Soil	10/1/02	9:54	10/4/02
209648	SB-50 25	Soil	10/1/02	10:17	10/4/02

Comment: Chloride LCS results have been corrected. Method Blank (Matrix) was added.

This report consists of a total of 1 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample: 209647 - SB-50 10

Param	Flag	Result	Units
Chloride		2660	mg/Kg

Sample: 209648 - SB-50 25

Param	Flag	Result	Units
Chloride		3020	mg/Kg

This is only a summary. Please, refer to the complete report package for quality control data.

TRACE ANALYSIS, INC.

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Analytical and Quality Control Report

Todd Choban
E.T.G.I.
PO Box 4845
Midland, Tx. 79704

Report Date: March 12, 2003

Order ID Number: A02100420

Project Number: CH2100
Project Name: Champion Tech
Project Location: Hobbs, NM

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209647	SB-50 10	Soil	10/1/02	9:54	10/4/02
209648	SB-50 25	Soil	10/1/02	10:17	10/4/02

Comment: Chloride LCS results have been corrected. Method Blank (Matrix) was added.

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH. The test results contained within this report meet all requirements of LAC 33:I unless otherwise noted.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.



Dr. Blair Leftwich, Director

Report Date: March 12, 2003
CH2100

Order Number: A02100420
Champion Tech

Page Number: 2 of 4
Hobbs,NM

Analytical Report

Sample: 209647 - SB-50 10

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		2660	mg/Kg	1	1

Sample: 209648 - SB-50 25

Analysis: Ion Chromatography (IC) Analytical Method: E 300.0 QC Batch: QC24021 Date Analyzed: 10/8/02
Analyst: JSW Preparation Method: N/A Prep Batch: PB22436 Date Prepared: 10/8/02

Param	Flag	Result	Units	Dilution	RDL
Chloride		3020	mg/Kg	1	1

Quality Control Report Method Blank

Method Blank QCBatch: QC24021

Param	Flag	Results	Units	Reporting Limit
Chloride	1	<1.0	mg/L	1

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC24021

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	² 40.1	³ 41.1	mg/Kg	1	12.50	<1.0	91	2	90 - 110	20

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

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes QCBatch: QC24021

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Chloride	9160	9220	mg/Kg	1	6250	2940	99	0	35 - 144	20

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

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC24021

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.76	94	90 - 110	10/8/02

¹Method Blank (Matrix) 29.57 mg/kg in soil.

²Blank soil should be subtracted from the sample. %IA = 91 and RPD = 0.

³Blank soil should be subtracted from the sample. %IA = 91 and RPD = 0.

Report Date: March 12, 2003
CH2100

Order Number: A02100420
Champion Tech

Page Number: 4 of 4
Hobbs,NM

ICV (1) QCBatch: QC24021

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.50	11.76	94	90 - 110	10/8/02

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
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1 (800) 378-1296

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # A02100420

Company Name: ETGI Phone #: (915) 522-1139
Address: (Street, City, Zip) 4600 W. Wall 79703 Fax #: (915) 528-4310
Contact Person:

Voice to:
(different from above)

Project #: CH2100 Project Name:

Project Location: Hobbs / Champion Facility Sampler Signature: [Signature]

LAB # (AB USE ONLY)	FIELD CODE	CONTAINERS #	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
09633	SB-62	2	402											10-01	1330		X
34	SB-62	5												10-01	1337		X
35	SB-62	15												10-01	1353		X
36	SB-62	25												10-01	1420		X
37	SB-62	40												10-01	1512		X
38	SB-62	10												10-01	1345		X
39	SB-52	5												10-02	1240		X
40	SB-52	10												10-02	1250		X
41	SB-52	25												10-02	1342		X
42	SB-52	35												10-02	1408		X
43	SB-52	40												10-02	1416		X

Inquired by: [Signature] Date: 10-03-02 Time: 0800
Received by: Helen Shelton Date: 10/03/02 Time: 0800
Inquired by: Helen Shelton Date: 10/03/02 Time: 1830
Received by: [Signature] Date: 10/03/02 Time: 1830
Inquired by: [Signature] Date: 10/03/02 Time: 1830
Received by: [Signature] Date: 10/03/02 Time: 1830

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp 2
Log-In Review MA

REMARKS:

☐ Check If Special Reporting Limits Are Needed

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

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Carrier # Shelton GLI 300 619-685-3

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TraceAnalysis, Inc.

155 Monticueon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

Company Name: **ETGI** Phone #: **(915) 522-1139**
Address: **4600 W. Wall 79703** Fax #: **(915) 528-4310**

Contact Person: **Todd Choban**

Voice to:
different from above)

Project #: **CH2100**

Project Name:

Project Location: **Hobbs/Champion Facility** Sampler Signature: *[Signature]*

LAB # LAB USE ONLY	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
09644	SB-52 45'	4	4oz	X								X		10-02	1445		
45	SB-50 2'	4												10-01	0940		X
46	SB-50 5'	3												10-01	0947		X
47	SB-50 10'	4												10-01	0954	X	X
48	SB-50 25'	1												10-01	1017	X	X
49	SB-61 2'	4												10-01	1245		X
50	SB-61 5'	2												10-01	1253		X
51	SB-61 10'	4												10-01	1303	X	X
52	SB-60 2.5'	4												10-01	835		X
53	SB-60 5'	4												10-01	8242		X
54	SB-60 10'	4												10-01	852		X

Inquired by: *[Signature]* Date: **10-03-02** Time: **0800** Received by: *[Signature]* Date: **10-03-02** Time: **0800**

Inquired by: *[Signature]* Date: **10/03/02** Time: **1435** Received by: *[Signature]* Date: **10/03/02** Time: **1435**

Inquired by: *[Signature]* Date: **10/03/02** Time: **1830** Received at Laboratory by: *[Signature]* Date: **10-4-02** Time: **10:00**

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

ORIGINAL COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # **A02100420**

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE 8021B/602	BTX 8021B/602	TPH 418.17X1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Chlorides	Chromium	Ammonia	Lead	Turn Around Time if different from standard	Hold
	X	X													X	X	X			
	X	X													X	X	X			
	X	X													X	X	X			
					</															

LAB USE ONLY

Intact ☒ Y / N

Headspace ☒ Y / N

Temp ☒ 2

Log-in Review ☒

Carrier # **Greyhound GLI 300-619-695-3**

REMARKS:

☐ Check if Special Reporting Limits Are Needed

701 Aberdeen Avenue, Ste. 9
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1 (800) 378-1296

TraceAnalysis, Inc.

155 McCutcheon, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

Company Name: **ETGI** Phone #: **(915) 522-1139**

Address: **4400 W. Wall 79703** Fax #: **(915) 528-4310**

Contact Person: **Todd Choban**

Office to:
(different from above)

Project #: **CH2100**

Project Location: **Hobbs/Champion Facility**

Project Name:

Sampler Signature: *Jason Henry*

LAB #	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		Turn Around Time if different from standard	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME		
55	SB-55	5'	2	4oz										10-02	0955		
56	SB-55	20'	2											10-02	1007		
57	SB-55	40'	2											10-02	1027		
58	SB-56	5'	2											10-02	937		
59	SB-56	20'	1											10-02	945		
60	SB-56	40'	2											10-02	9-05		
61	SB-48	2.5'	4											10-02	1004		X
62	SB-48	5'	4											10-02	1012		X
63	SB-47	2.5'	2											10-01	920		✓
64	SB-47	5'	4											10-01	928	X	
65	SB-64		4											10-02	9-05	X	

Received by: *Jason Henry* Date: **10-03-02** Time: **0800**

Received by: *Allen Shelton* Date: **10-03-02** Time: **1435**

Received at Laboratory by: *Allen Shelton* Date: **10-03-02** Time: **1830**

Original of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C. **29 samples - HS**

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # **AD 2100420**

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE 8021B/602																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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LAB USE ONLY

Intact ☒ / N
Headspace ☒ / N
Temp **2**
Log-in Review **MA**

REMARKS:

☐ Check If Special Reporting Limits Are Needed

Carrier # **Greyhound GLI 300-619-685-3**

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