

Part I

# 1998 Comprehensive TNX Area Annual Groundwater and Effectiveness Monitoring Report

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RECORDS ADMINISTRATION



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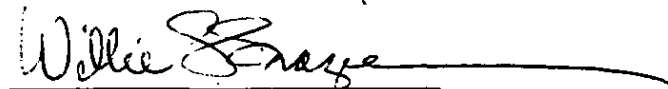
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**WSRC-RP-99-4003**

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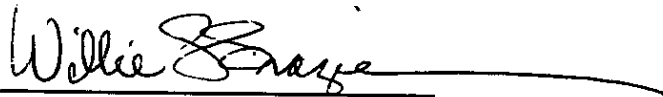
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## LIST OF ACRONYMS AND ABBREVIATIONS

BRA	Baseline Risk Assessment
CERCLA	Comprehensive Environmental Response, And Liability Act
ft <sup>3</sup> /min	Cubic Foot Per Minute
CMS/FS	Corrective Measures Study/Feasibility Study
CVOC	Chlorinated Volatile Organic Compound
DWPF	Defense Waste Processing Facility
EMS	Addendum To The Environmental Monitoring Strategy (For TNX Area)
ERD	Environmental Restoration Division
EPD/EMS	Environmental Protection Department/Environmental Monitoring Section
GIMS	Geochemical Information Management System
gpm	Gallons Per Minute
IROD	Interim Record Of Decision
LDRR	Laboratory Data Records Review
µg/L	Micrograms Per Liter
MRD	Mean Relative Difference
NPDES	National Pollutant Discharge Elimination System
NTU	Nephelometric Turbidity Units
PDWS	Primary Drinking Water Standard(S)
PVC	Polyvinyl Chloride
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation And Recovery Act
RDR/RA	Remedial Design Report/Remedial Action
RFI/RI	Rcra Facility Investigation/Remedial Investigation
ROD	Record Of Decision
RPD	Relative Percent Difference

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SB/PP	Statement Of Basis/Proposed Plan
SCDHEC	South Carolina Department Of Health And Environmental Control
SRS	Savannah River Site
SRTC	Savannah River Technology Center
TCE	Trichloroethylene
US DOE	United States Department Of Energy
US EPA	United States Environmental Protection Agency
UTM	Universal Transverse Mercator
WSRC	Westinghouse Savannah River Company



## EXECUTIVE SUMMARY

Shallow groundwater beneath the TNX Area at the Savannah River Site (SRS) has been contaminated with chlorinated volatile organic compounds (CVOCs) such as trichloroethylene (TCE) and carbon tetrachloride (CCL<sub>4</sub>). In November 1994, an Interim Record of Decision (IROD) was agreed to and signed by the U.S. Department of Energy (US DOE), the Environmental Protection Agency (US EPA), and the South Carolina Department of Health and Environmental Control (SCDHEC). The IROD requires installation of a hybrid groundwater corrective action (HGCA) to stabilize the plume of groundwater contamination and remove CVOCs dissolved in the groundwater. The hybrid groundwater corrective action included a recovery well network, an air stripper, and an airlift recirculation well. The recirculation well was dropped pursuant to a test that indicated the well to be ineffective at the TNX Area. Consequently, the groundwater corrective action was changed from a hybrid to a single action, pump-and-treat approach.

The Interim Action (IA) T-1 Air Stripper System began operation on September 16, 1996. A comprehensive groundwater monitoring program was initiated to measure the effectiveness of the system. During calendar year 1998, 30.6-million gallons were treated. In addition the system removed 21 pounds of TCE and 2.52 pounds of CCL<sub>4</sub> during 1998. The recovery well network created a "capture zone" that stabilized the plume of contaminated groundwater.

The IA is meeting its objectives and is capable of continuing to do so until the final groundwater remedial action is in place.

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## 1.0 INTRODUCTION

The TNX Area, located in the southwest part of Savannah River Site (SRS) (Figure 1), is operated by the Savannah River Technology Center (SRTC), formerly known as the Savannah River Laboratory. The Environmental Restoration Division (ERD) manages the Interim Action (IA) in the area. Under the Federal Facility Agreement for SRS, the TNX Area Operable Unit includes the TNX Burying Ground, the Old TNX Seepage Basin, the New TNX Seepage Basin, and the groundwater beneath the area.

Groundwater beneath the TNX Area is contaminated with chlorinated volatile organic compounds (CVOCs) such as trichloroethylene, carbon tetrachloride, and tetrachloroethylene (perchloroethylene). The IA for the TNX Area is designed to capture or contain groundwater with contaminant concentrations in excess of 500  $\mu\text{g/L}$  and reduce the mass of the contamination. The IA includes a recovery well network and an air stripper.

Analyses of depth-discrete sediment samples collected in the central portion of TNX indicate CVOC contamination in a zone 30 feet thick, extending 15 feet above and below the water table. Cis-dichloroethylene in modest concentrations indicates biodegradation of CVOCs in the unsaturated zone.

The IA to contain the plume of trichloroethylene began operations September 16, 1996. The effectiveness of the IA can be assessed by examination of the results of the monitoring program conducted since that time to evaluate the capture zone and measure identifiable changes in contaminant concentrations in the monitoring and recovery wells throughout the area. These changes are reported as specific concentrations in designated wells, as trends in time-series plots for indicator constituents, and as changes in the areal extent of the 500- $\mu\text{g/L}$  plume of

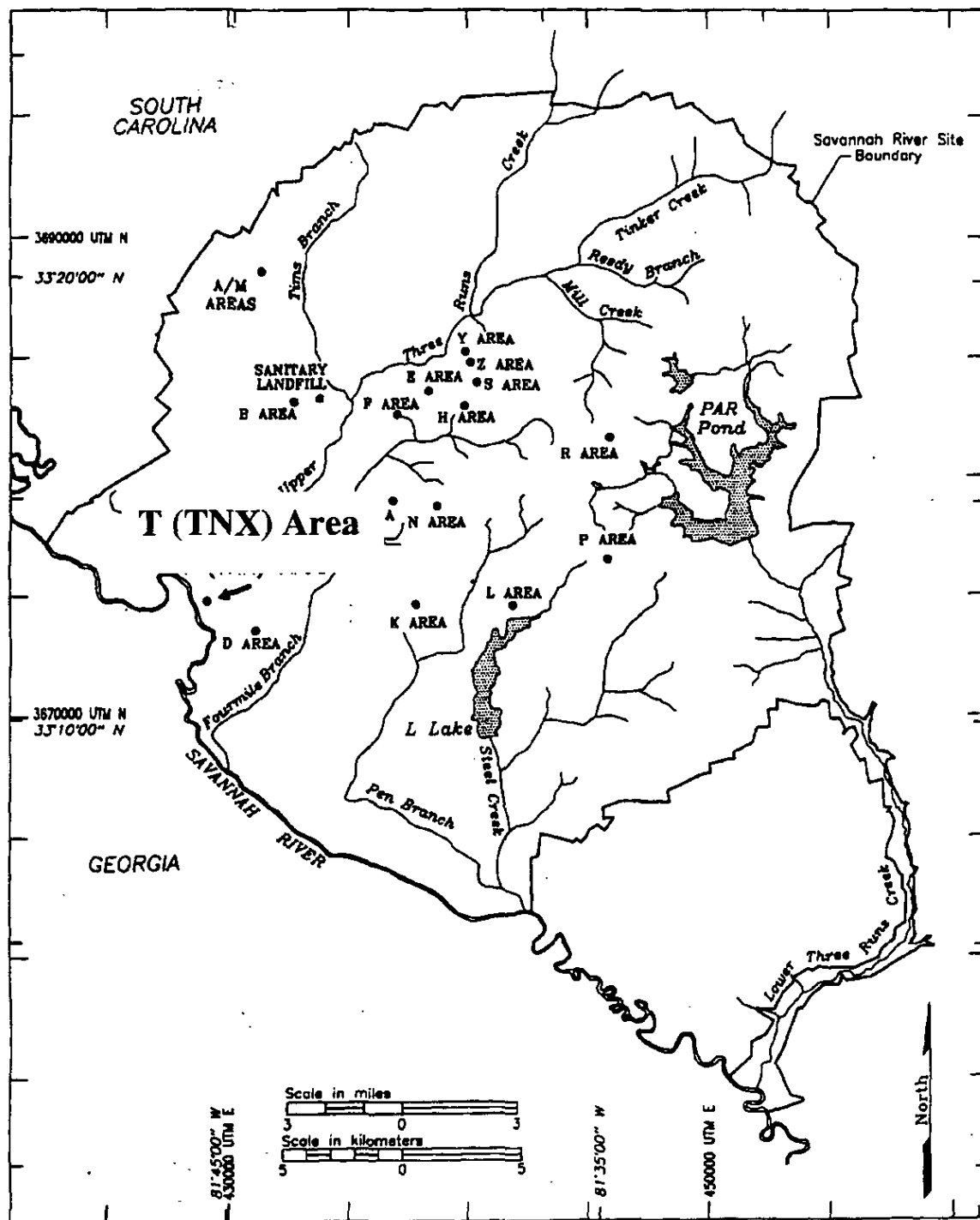


Figure 1. Location of the TNX Area at the Savannah River Site

trichloroethylene. In addition, changes in water elevations in monitoring wells and piezometers throughout the site are examined as indicators of plume containment.

### **1.1 Organization of This Report**

This report presents the data collected during Calendar Year 1998 in support of the IA and illustrates the effectiveness of the action in plume containment and contaminant reduction.

The text of the report includes the objectives of the IA; a description of the site, including the operating and regulatory history of TNX-Area waste units and a brief description of the site hydrogeology; discussion of the methods selected for site remediation; discussion of sampling events and analytical results; and a summary of system operation and maintenance during 1998.

Maps in this report illustrate the location of TNX within SRS (Figure 1), the location of the groundwater monitoring wells in TNX Area, the groundwater elevation of wells screened in the water table during Third Quarter 1996 (immediately prior to the start of remediation activities) and Fourth Quarter 1998, and the horizontal extent of trichloroethylene during Fourth Quarter 1998 with the projected plume for October 1996 superimposed over the current data postings.

Maximum results for analytes that exceeded the Safe Drinking Water Act final primary drinking water standards (PDWS) (Appendix A) in sampled primary wells during 1998 are provided in the Analytical Results section of this report, as are the analyses from the TRW wells (the recovery wells) that exceeded the PDWS. The introduction to Appendix A provides definitions of the abbreviations and modifiers used in the results tables as well as descriptions of holding times, data rounding, and data qualification practices. Field data and analytical results of

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each well used for monitoring the effectiveness of the IA appear in Appendix B, Tables B-1 through B-6.

Table B-1 presents results for each analyte for the primary wells during each quarter of the year. Table B-1 also identifies the analytical laboratories that conducted the analyses and the analyses that received modifiers (which help identify laboratory accuracy and precision) or that exceeded the US EPA-approved holding times during Fourth Quarter 1998. Table B-2 presents the Appendix IX results taken annually for primary wells. The TRW well series was sampled monthly, beginning in September 1996. Table B-3 presents results for each analysis in TRW wells during each month of 1998. For these wells, the analyses that received modifiers or that exceeded the US EPA-approved holding times are listed in Table B-3. Table B-4 presents the field data results for the secondary wells for each quarter during 1998. Table B-5 presents groundwater-monitoring results for other TNX Area wells.

Table B-6 presents the water elevations for TNX Area wells as measured by SRTC that are not present in the Geochemical Information Management System (GIMS) database. GIMS data is the official data from the derived samples. Additional data was provided by SRTC. Appendix C gives a general assessment of the quality and usability of the data provided by Environmental Protection Department/Environmental Monitoring Section (EPD/EMS). Appendix D contains hydrographs for TNX Area wells. The hydrographs contain the SRTC measurements from Table B-6 as well as those recorded by Westinghouse Savannah River Company (WSRC) EPD/EMS. Appendix E contains time-series plots showing time versus concentration for carbon tetrachloride, nitrate, tetrachloroethylene, trichloroethylene, chloroform, gross alpha, mercury, and lead. Additionally, concentration maps are included for 1998 First and Fourth Quarter data in Appendix F. Concentration maps were developed only for those contaminants identified as constituents of interest in the Effectiveness Monitoring

Strategy Addendum for the TNX Groundwater Operable Unit RDR/RA Work Plan (WSRC 1996).

## 2.0 OBJECTIVES OF THE INTERIM ACTION

The initial proposal in the Interim Record of Decision (IROD)(WSRC 1994b) set the objectives and goals of the IA at TNX for a hybrid groundwater corrective action consisting of a recovery well network, low-profile air stripper, and airlift recirculation well (WSRC 1994a). However, the recirculation well system has been determined to be ineffective in TNX Area because of both geological factors and the nature of the contamination. The decision to remove the in situ portion of the remediation strategy was issued as an Explanation of Significant Differences (WSRC 1997b) in accordance with Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) regulations. Evidence to date indicates that the recovery well network alone will meet the overall intent of the IROD.

The major objectives and goals of the IA at TNX are to

- stabilize the plume of 500- $\mu$ g/L trichloroethylene contamination and
- remove trichloroethylene contamination in the groundwater near the plume core.

Successful achievement of these objectives will

- prevent further aquifer degradation,
  - maintain risk at acceptable levels to the onsite worker at the seep line, and
  - reduce potential risk to human health and the environment in general.
-

The monitoring program assesses the effectiveness of the IA by measuring changes in contaminant concentrations in the primary monitoring and recovery wells identified in the Addendum to the Environmental Monitoring Strategy (for TNX Area) (WSRC 1997b). These changes are reported here as specific concentrations in designated wells and as time-series plots for the primary wells. In addition, water-elevation changes for TNX Area are illustrated in the maps in this report and the hydrography in Appendix D.

Primary wells monitor the extent and severity of groundwater contamination and, with secondary wells, are used to determine groundwater flow and direction. Recovery wells draw in contaminated groundwater and direct it to the air stripper, where CVOCs are removed by contacting the contaminated groundwater with air. Clean water discharged by the air stripper is directed to the National Pollutant Discharge Elimination System (NPDES) permitted outfall X-008 for release to the Savannah River.

### **3.0 SITE DESCRIPTION**

This section outlines important historical and regulatory events in TNX Area.

#### **3.1 Operating History of TNX Waste Units**

- The TNX Burying Ground was built in 1953 to dispose of debris resulting from the explosion of an experimental evaporator in TNX Area earlier that year. The debris included conduits, drums, tin, and structural steel contaminated with uranyl nitrate and depleted uranium. No additional wastes were disposed of in the TNX Burying Ground after the Old Burial Ground (643-E) was opened later in 1953.
  - Between 1980 and 1984, most of the waste buried at the TNX Burying Ground was excavated and sent to the Radioactive Waste Burial Ground (643-
-

7E). The remaining waste lies beneath asphalt, buildings, and transformer pads. An estimated 60 pounds of uranyl nitrate remains buried at the TNX Burying Ground, constituting 5 percent of the initial inventory.

- The Old TNX Seepage Basin was an unlined excavation designed to contain wastewater until it could seep into the underlying sediments that were believed to act as a natural ion-exchange media. A 6-inch pipe connected the inlet section of the basin to the seepage section, and a similar pipe carried overflow to the adjacent floodplain during periods of unusually high flow and precipitation to the basin. The Old TNX Seepage Basin received process wastewater between 1958 and 1980 from pilot scale tests conducted in the TNX Area for the Defense Waste Processing Facility (DWPF) and the General Separations Area. The waste discharged to the basin included large quantities of mercury, primarily in the form of mercuric nitrate, other heavy metals, sodium compounds, depleted uranium and other radionuclides.
  - Discharge of wastewater to the Old TNX Seepage Basin ceased in 1980, and the basin was closed in 1981. During closure, the basin wall was breached, and the impounded water was drained into the adjacent wetlands. The basin was then backed with a sand and clay mixture and covered with a clay cap. Part of the capped Old TNX Seepage Basin was revegetated, and the remainder was covered with asphalt and used for equipment storage.
  - The New TNX Seepage Basin, an unlined excavation constructed to replace the Old TNX Seepage Basin, operated between 1980 and 1988. While in operation, the basin received waste from pilot scale chemical processing tests at DWPF and the chemical separation areas. The waste included simulated non-radioactive DWPF sludge; simulated, non-radioactive salt supernate; glass frit; other processing chemicals; and laboratory sink wastewater. Strict institutional controls were put in place for the use of the New TNX Seepage
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Basin to ensure that no hazardous waste was discharged to the basin. During periods of unusually high discharge, the seepage section of the basin overflowed to Outfall X-013A, which in turn discharged to a local surface depression.

- On August 13, 1988, discharges to the New TNX Seepage Basin ceased and were rerouted to the TNX Effluent Treatment Facility.

### 3.2 Regulatory History

- A closure plan for the New TNX Seepage Basin was submitted to SCDHEC in March 1992.
  - Currently the basin is inactive and constantly filled with 2+ feet of accumulated rainwater.
  - The SRS Federal Facility Agreement of November 24, 1992, which directs the comprehensive remediation of SRS, identified the TNX Burying Ground, the Old TNX Seepage Basin, the New TNX Seepage Basin, and the TNX groundwater as units regulated under the Resource Conservation and Recovery Act (RCRA)/CERCLA program.
  - An IA Proposed Plan for the TNX-Area Operable Unit was submitted to United States Environmental Protection Agency (US EPA) and South Carolina Department of Health and Environmental Control (SCDHEC) in 1994. The plan proposed the evaluation of a hybrid treatment strategy for remediating the groundwater contamination at TNX Area. The strategy proposed a combination of pump-and-treat and in situ groundwater treatments. The method was to employ four recovery wells with an air stripper and an airlift recirculation well (WSRC 1994a).
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- In November 1994, an IROD for the TNX Groundwater Operable Unit was authorized by US EPA, SCDHEC, and United States Department of Energy (US DOE) (WSRC 1994b). IA operations began on September 16, 1996. This report discusses groundwater monitoring undertaken to demonstrate the effectiveness of this strategy.
  - The air stripper system is permitted as an industrial wastewater treatment facility with both NPDES and Air Quality Control permits.
  - The RCRA Facility Investigation/Remedial Investigation (RFI/RI) work plan for the TNX-Area Operable Unit was submitted in November 1995. The objectives of the investigation were to 1) determine the nature and extent of hazardous substance releases from the unit; 2) prepare human health and ecological risk assessments; 3) collect data to aid in refining the extent of hazardous substance migration in the groundwater beneath the TNX Area; and 4) prepare a Corrective Measures Study/Feasibility Study (CMS/FS) report.
  - The TNX-Area Operable Unit field characterization report was submitted in 1996. Sampling for the RFI/RI field characterization was performed between March 4 and September 26, 1996. The RFI/RI report with Baseline Risk Assessment (BRA) for the TNX-Area Operable Unit was submitted in 1997.
  - An Explanation of Significant Differences was issued on September 22, 1997, to announce the change in the interim remediation strategy for the TNX Groundwater Operable Unit from a hybrid action to a single pump-and-treat approach (WSRC 1997b).
  - The Rev. 0 RFI/RI/BRA report for the TNX Area June 27, 1997 Operable Unit was submitted to US EPA and SCDHEC. The RFI/RI/BRA (Rev. 1.2) was approved by SCDHEC on December 9, 1998, and by US EPA on January 5, 1999.
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- The Rev.0 combined CMS/FS/Statement of Basis/Proposed Plan (SB/PP) and draft Record of Decision (ROD) for the TNX Area Operable Unit was submitted to US EPA and SCDHEC on July 9, 1998.

### 3.3 Site Hydrogeology

The Floridan Aquifer System is the aquifer system of concern within the TNX area between Upper Three Runs Creek and the southern boundary of SRS. The Floridan Aquifer System is divided into two aquifer units separated by a confining unit. From bottom to top, they are known as the Gordon Aquifer Unit, the Gordon Confining Unit, and the Upper Three Runs Aquifer Unit (Figure 2).

CVOC contamination at TNX is found only in the unconfined aquifer, which receives recharge from above due to infiltrating precipitation. The unconfined aquifer also receives recharge from the underlying semiconfined aquifer, which is at a higher pressure. The hydraulic conductivity of the unconfined aquifer varies from 20-60 feet/day (WSRC 1997c).

The Savannah River is the major discharge point for the Floridan Aquifer System and thus controls the direction and rate of lateral and vertical groundwater movement.

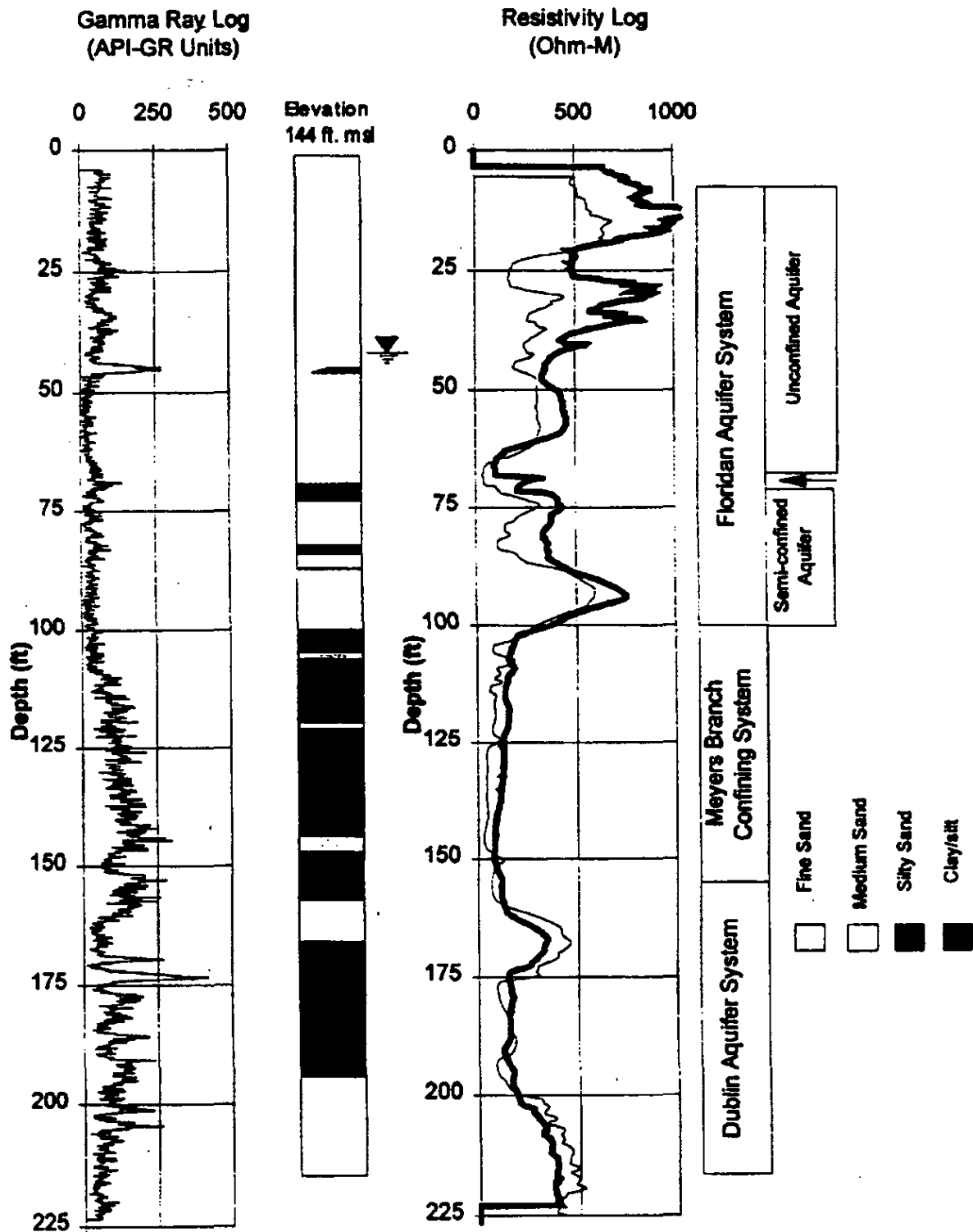


Figure 2. Logs from Soil Boring SB-1 at TNX

#### 4.0 INTERIM ACTION

The TNX-Area IA consists of an ex situ system of four recovery wells pumping groundwater from the downgradient edge of the initial 500- $\mu\text{g/L}$  trichloroethylene plume to a low profile air stripper for removal of volatile organic constituents. The stripper is also able to treat purge water generated during sampling of TNX Area wells.

An in situ treatment system using airlift recirculation well TRW 1 was planned as part of a hybrid corrective action but was dropped from the action following field testing.

SRTC performed the pump test and the computer modeling of the water-table aquifer that were used in the design of the IA.

##### 4.1 Recovery Well Network

The recovery well network is intended to stop the migration of contaminated groundwater containing more than 500  $\mu\text{g/L}$  trichloroethylene and to remove dissolved trichloroethylene from the plume core. Recovery wells TRW 1, 2, 3, and 4 are used to pump contaminated water from the unconfined aquifer (Post-Construction Report WSRC-RP-96-826, Rev. 2) (Figure 3). This pumping produces cones of depression on the water table that surround each recovery well. The recovery wells are located in such a way that the cones of depression overlap and create a capture zone that prevents contaminated groundwater (greater than 500  $\mu\text{g/L}$  trichloroethylene) from migrating any farther downgradient and into the Savannah River floodplain. An air stripper is used to treat the contaminated groundwater collected during operation of the recovery well network and purge water generated during sampling of monitoring wells.

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## **4.2 GeoSiphon Technology Demonstration**

From June 18, 1998, to November 13, 1998, SRTC conducted Phase II testing of the GeoSiphon technology for remediation of groundwater that contains low concentrations (5 – 200 µg/L) of CVOC (WSRC 1999). The GeoSiphon cell is located in the Savannah River floodplain west of TNX Area, next to well TNX 11 (See Figure 3). The cell is 8 feet in diameter and constructed with granular cast iron as the filter pack and 12-inch well screen and casing. Additional construction details of the cell can be found in WSRC 1998. Results of Phase II testing show the GeoSiphon cell is capable of producing and treating a steady sustained flow of groundwater contaminated with CVOCs at up to 4.5 gpm using a siphon equipped with an air chamber. Optimized siphon line routes and air chamber configurations suggest the system at TNX is capable of operating at approximately 15 gpm. In September 1998, a second GeoSiphon cell was installed for use in the next phase of testing.

## **4.3 Monitoring Well Installations**

Several monitoring wells were installed during 1998 in support of different projects. All of the wells were installed by SCDHEC-licensed drillers using an auger and were constructed of 2-inch polyvinyl chloride (PVC). A list of these wells well as the purpose of installation is provided below. The wells were installed by SRTC in 1998. All well installation records have been submitted to SCDHEC in accordance with terms and conditions of the well installation permits.

**List of wells installed at TNX Area during 1998**

Well ID	Purpose	SCDHEC Well Installation Permit #
TGSC2	Second GeoSiphon cell for use in dual cell test	SF-97-002
TCM4 - 8	Monitor dual cell test of GeoSiphon Technology	HW-98-037
TNX28 - 37	Characterize extent of CVOC contamination in groundwater beneath Savannah River floodplain west of TNX Area	HW-98-082
TNX38 - 40	Monitor water table elevation north of TNX around natural surface depression.	HW-98-082

## **5.0 METHODS**

### **5.1 Sampling Procedures**

The sampling procedure (WSRC Hydrogeologic Data Collection Procedures and Specifications Manual) for pumped wells requires evacuation of a minimum of two well volumes and stabilization of pH, specific conductance, and turbidity prior to sample collection. Stability is established when a minimum of three consecutive measurements, taken within a given time period, are within a specified tolerance range. If a well pumps dry before two well volumes have been purged or before stabilization has been achieved, it must be revisited within 24 hours for the data to be considered as a single sampling event. On the second visit within 24 hours, samples are taken without purging or stability measurements; thus these samples may not be representative of groundwater quality.

Most wells at SRS have dedicated pumps. Dedicated variable-speed pumps have been installed in wells TBG 4 and TNX 23D, 24D, and 27D. Samples from wells with variable-speed pumps are collected at a slower rate to minimize turbidity, which has been associated with artificially elevated metals levels. Decreased aluminum and iron concentrations, as well as lower turbidity values, have been

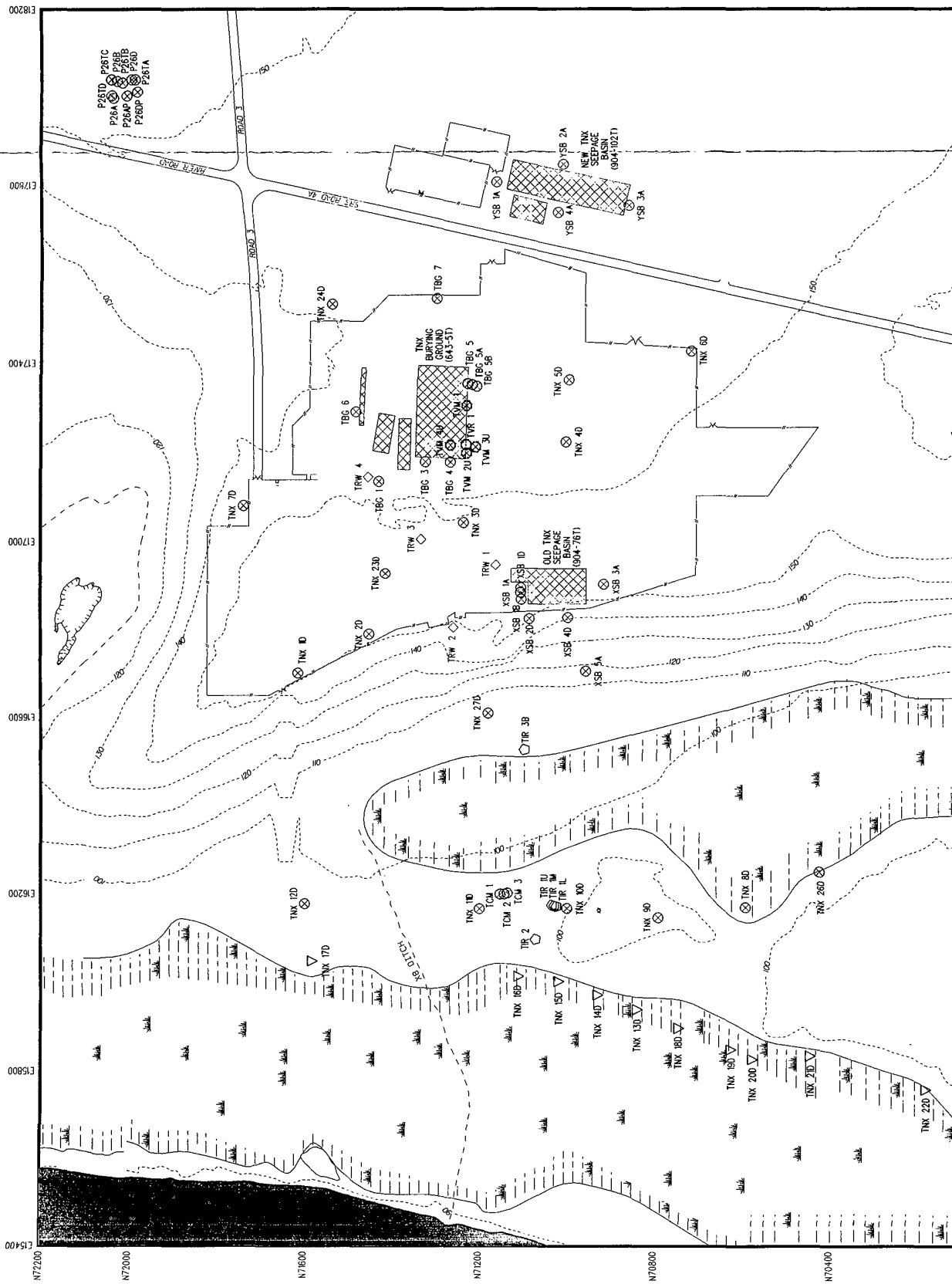
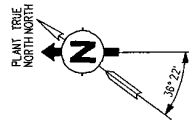
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# LEGEND

- WELL TYPE INDICATED BY THE WELL SYMBOL
- MONITORING WELL
  - PEZOMETER
  - WELL POINT
  - RECOVERY WELL
  - RECIRCULATION WELL
  - RECIRCULATION MONITORING WELL
- WELL CATEGORY INDICATED BY THE WELL COLOR
- GENERAL WELL
  - RECIRCULATION WELL AND RECIRCULATION MONITORING WELLS
  - RECOVERY WELL
  - SECONDARY WELL
  - PRIMARY WELL
- SWAMP AREA
- DISPOSAL AREA
- TNX FACILITY FENCE



Location of TNX Area Monitoring Wells for Start-Up and Initial Operations

Figure 3.      Location of TNX Area Monitoring Wells for Startup and Initial  
Operation

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observed in samples from wells with variable-speed pumps. A few wells were sampled with hand-held submersible pumps during 1998.

The recovery well pumps run continuously except during system shutdowns. EPD/EMS samplers take depth-to-water measurements at each sampling event, and SRTC personnel collect synchronous depth-to-water measurements monthly. SRTC synchronous measurements were used for the Fourth Quarter 1998 water table map. Hydrographs in Appendix D contain both sets of measurements. The SRTC measurements for 1998 may be found in Table B-6 of this report. Purge water from TNX-Area wells containing elevated levels of contaminants is disposed of in the purge water station on the stripper.

## **5.2 Data Validation and Verification**

Sample collection, shipping, and analytical information compiled for the project is validated and verified. The information reviewed includes the following:

- Sample Documentation in the Field Logs and Chain-of-Custody (COC) Forms
  - Sample Holding Times
  - Initial and Continuing Instrument Calibration
  - Analyte Identification
  - Analyte Quantitation
  - Analytical Error
  - Analysis of Blanks
  - Laboratory Performance Evaluations
-

- Quantitation Limits

The validation process begins with sample scheduling and continues through data reporting. Appendix C gives a general assessment of the quality and usability of the data provided by EPD/EMS.

During validation and verification of the analytical data, qualifiers are checked and applied to provide additional information about data quality. The laboratories provide qualifiers in reporting the analytical data (Appendix C).

During 1998 the qualifiers in the computer data records were changed. Prior to October 1998, each analytical record in the computer data files contained a result and an analysis qualifier. The result qualifier described the analytical result. The analysis qualifier described issues arising during the analytical process. After October 1998, the result qualifier had been changed to the US EPA Functional Guidelines Codes and the analysis qualifier changed to the US EPA STORET Codes (see Appendix A, Data Modifiers).

### **5.3 Data Quality Level**

The data for this project were validated as definitive data. Definitive-level data are used for data collection activities that require a high degree of qualitative and quantitative accuracy for all findings. Rigorous methods of analysis and quality assurance are used for those samples considered essential in making a decision. This data level is intended to give the decision maker a level of confidence to make decisions regarding the following:

- Treatment
  - Disposal
  - Site remediation and/or removal of pollutants
-

- Health risk or environmental impact
- Cleanup verification, pollutant source identification, delineation of contaminants
- Other significant decisions where an action level is of concern

#### **5.4 Process and Documentation**

Sample documentation and maintenance of chain of custody (COC) were examined by reviewing the field logs and COC forms. Sample-holding times were checked by comparing the time between sample collection and analysis with US EPA-published maximum holding times. Samples that exceeded holding time are marked in the data tables (Appendix B) with a "Q" in the modifier columns. Analytical instrument calibration was reviewed as part of the quarterly laboratory data records review (LDRR), in which the laboratory's records for a percentage of the samples analyzed each quarter are reviewed for adherence to method-specific quality assurance requirements and accuracy in reporting.

Analyte identification and quantitation were verified as part of the computerized checking of the electronic data deliverables, during review of the analytical narratives provided by the laboratory and as part of the LDRR. Anomalies were clarified with the laboratories wherever possible, and records not meeting criteria were qualified. In evaluating analytical error, percent recoveries for quality-control samples were reviewed, and the sample data were qualified where necessary. Field-generated blanks (field and trip blanks) and laboratory-generated blanks were examined. Results of these reviews are located in the quality control samples section of the EPD/EMS quarterly groundwater monitoring reports. Laboratory performance evaluations conducted by EPD/EMS, US EPA, and US DOE are detailed in the EPD/EMS quarterly groundwater monitoring reports.

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## **5.5 Quality Control Samples**

EPD/EMS selected approximately 5 percent of the sampled TNX-Area wells each quarter to receive split and blind replicate samples as part of the EPD/EMS quality assurance. As part of their quality assurance procedures, the laboratories also duplicated certain analyses.

The results of these analyses are used for both intra-laboratory and inter-laboratory comparisons. The EPD/EMS quarterly groundwater monitoring reports provide full replicate results and statistical comparisons of blind replicate and duplicate results. The highest result is provided in the Appendix B data tables of this report.

## **5.6 Conclusions**

Except for certain radiological parameters, analytical results are generated using SCDHEC-certified laboratories and follow US EPA SW-846 methodologies. There were 10,388 sample results; each result represents an individually measured parameter, compound, element, or isotope. Of the 10,388 samples, 43 (0.4 percent) were rejected; 40 radiological results from one well and one method account for the majority of the rejects.

Overall analytical data quality for 1998 at TNX is very good except for one laboratory problem that developed during the fourth quarter. A GC-MS instrument performing semivolatile analyses for method EPA8270C went down and did not run again until hold times had expired for several samples. This accounted for 1,408 of the 1,488 (14 percent) out of hold records and was from a one-time isolated event. Only 11 (0.1 percent) sample results were affected by detection of an analyte in the laboratory blank.

---

## 6.0 SAMPLING EVENTS

### 6.1 Analyses Scheduled

During 1998, groundwater samples from TNX-Area wells were analyzed according to the sampling and analysis plan in the Effectiveness Monitoring Strategy Addendum for the TNX Groundwater Operable Unit RDR/RA Work Plan (WSRC 1996), which identifies the following wells as primary, secondary, or recovery wells:

- Primary: P 26A; TBG 1, 3,4,5, 5A, 5B, and 6; TNX 1D, 2D, 3D, 4D, 7D, 8D, 9D, 10D, 11D, 12D, and 27D; XSB 1A, 1B, 1D, 2D, 3A, 4D, and 5A
- Secondary: P 26B and 26D; TBG 7; TNX 5D and 6D; YSB 1A, 2A, 3A, and 4A
- Recovery: TRW 1,2, 3, and 4

Samples for constituents listed in the Table 3 of the Effectiveness Monitoring Strategy Addendum for the TNX Groundwater Operable Unit RDR/RA Work Plan (WSRC 1996) were collected quarterly from the primary wells and monthly from the recovery wells. A full Appendix IX set of analyses was collected during the third quarter from the primary wells. The secondary wells were sampled quarterly for field parameters. In addition, the wells were monitored, as requested, for other constituents as part of the SRS Groundwater Monitoring Program and for other investigations conducted at the site. These results may be found in the EPD/EMS quarterly comprehensive groundwater monitoring reports. The groundwater samples are unfiltered; therefore, the results for metals are for total recoverable metals.

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## 6.2 The Well Network

The background, assessment, recovery, and groundwater monitoring well network at the TNX Area (Figure 3) have been developed over the past decade and a half as described chronologically below:

- Monitoring wells YSB 1A, 2A, 3A, and 4A were installed during late 1983.
- Monitoring wells XSB 1A, 1B, 1D, 2D, 3A, and 4D were installed between 1984 and 1989.

The installation date for well XSB 5A is uncertain.

- Background wells P 26A, 26B, and 26D were installed during the second half of 1986.
  - Monitoring wells TBG 1, 3, 4, 5, 5A, 5B, 6, and 7 were installed between 1988 and 1989.
  - Assessment wells TNX 1D, 2D, 3D, 4D, 5D, 6D, 7D, 8D, 9D, 10D, 11D, and 12D were installed during late 1989.
  - According to SRTC records, TNX clusters 61, 65, 66, and 72 were installed in April 1991. These wells are not discussed in this report.
  - Seep line monitoring wells TNX 13D, 14D, 15D, 16D, 17D, 18D, 19D, 20D, 21D, and 22D were installed during 1994.
  - Recovery wells TRW 1, 2, 3, and 4 were installed between 1994 and 1995.
  - Recirculation well TVR 1A and its monitoring well clusters TVM 1, 2, 3, and 4 were installed in October and November 1995.
-

- Monitoring wells TNX 23D, 24D, 26D, and 27D were installed during 1996.
- Special monitoring wells TIR 1L, 1M, 1U, 2, and 3B were installed during the second half of 1996 to assist in assessing intrinsic remediation. These wells are not discussed in this report.

The TNX-Area network used to assess the IA includes the 39 wells identified as primary, secondary, and recovery wells in the Analyses Scheduled section above.

Screen zone assignments for the wells in the TNX-Area network are described in the Effectiveness Monitoring Strategy Addendum for the TNX Groundwater Operable Unit RDR/RA Work Plan (WSRC 1996) as follows

- Unconfined Aquifer: wells P 26B and 26D; TBG 1, 3, 4, 5, 5A, 6, and 7; TNX 1D, 2D, 3D, 4D, 5D, 6D, 7D, 8D, 9D, 10D, 11D, 12D, 13D, 14D, 15D, 16D, 17D, 18D, 19D, 20D, 21D, 22D, 23D, 24D, 26D, and 27D; TRW 1, 2, 3, and 4; XSB 1A, 1D, 2D, 3A, 4D, and 5A and YSB 1A, 2A, 3A, and 4A as well as the TVM and TVR wells
- Semiconfined Aquifer: wells P 26A, TBG 5B, and XSB 1B

The following wells, used for hydrographs (Appendix D), are screened across the water table:

- P 26D; TBG 1, 3, 4, 5, 6, and 7; TNX 1D, 2D, 3D, 4D, 5D, 6D, 7D, 8D, 9D, 10D, 11D, 12D, 13D, and 27D; TRW 1, 2, 3, and 4; TVM 1U, 2U, 3U, and 4U; XSB 1D, 2D, 3A, 4D, and 5A; YSB U ~ 3A and 4A.
-

### 6.3 Synchronous Water Level Measurements

Water level data have been used to prepare water-table maps (Figures 4 and 5) and hydrographs (Appendix D), as described under "Sampling Procedures" on page 13 of this report. This information will be used to evaluate the effectiveness of the recovery well network. The hydrogeology in TNX Area is evaluated using Figures 4 and 5 to determine groundwater flow rates and directions and using precipitation data (Figure 6), and the water elevation difference to determine the effects of the recovery well system. The water table maps were constructed for Third Quarter 1996 using water elevations measured by EPD/EMS samplers prior to September 14, 1996, and for Fourth Quarter 1998 using synchronous water elevations measured by SRTC in November 1998. The EPD/EMS measurements are recorded in the GIMS database, as are all the analytical data. The SRTC measurements for Fourth Quarter 1998 may be found in Table B-6 of this report.

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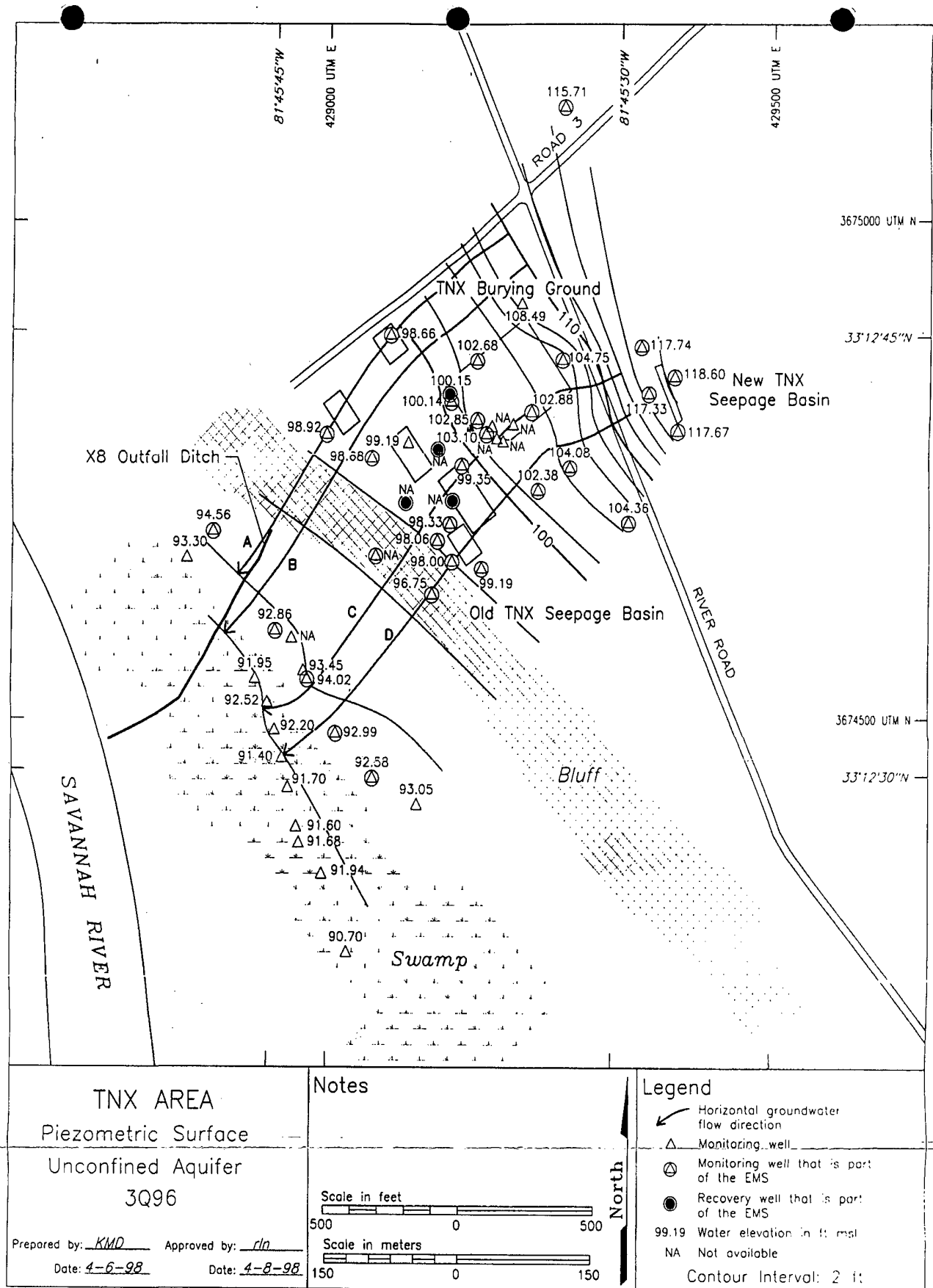


Figure 4 Water-Table Map of the Unconfined Aquifer at the TNX Area, Third Quarter 1996

**Figure 4. Water Table Map of the Unconfined Aquifer at the TNX Area, Third Quarter 1996**

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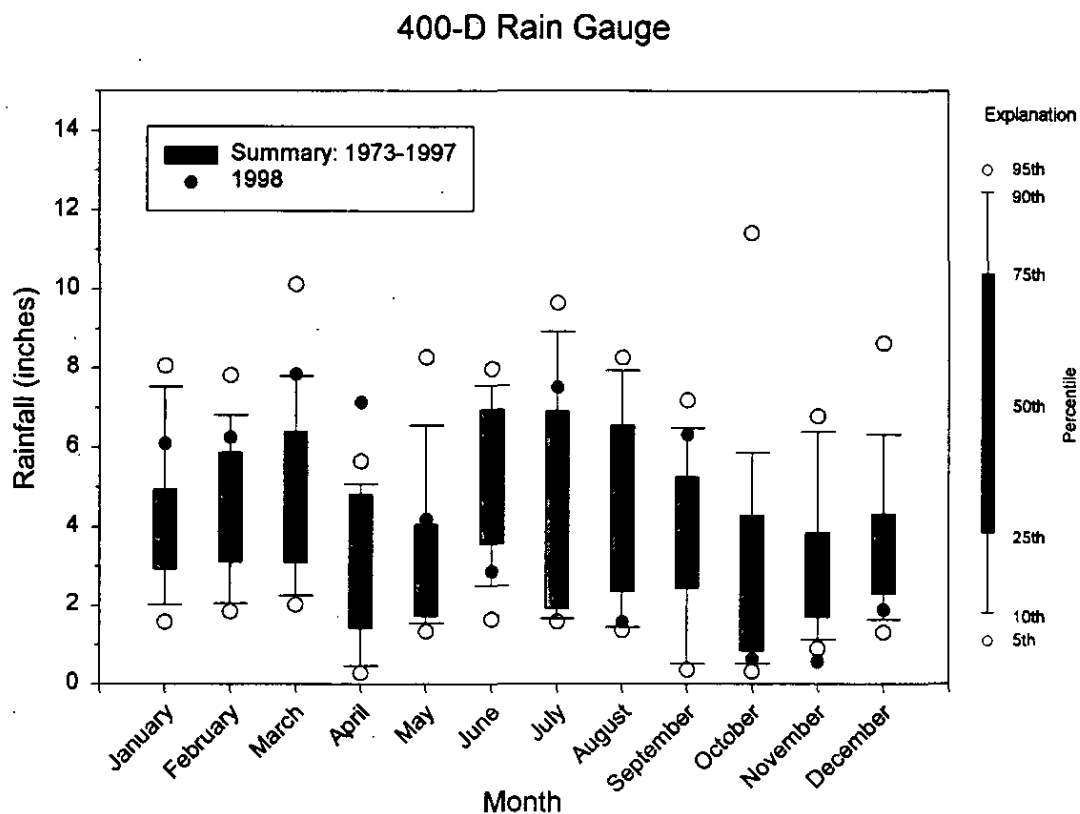
**Figure 5. Water-Table Map of the Unconfined Aquifer at the TNX Area,  
Fourth 1998**

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**Figure 6. Summary of Historic (1973-1997) Rainfall Data for D-Area and 1998 Rainfall Data for D-Area**

#### **6.4 Groundwater Flow Directions and Rates**

Figures 4 and 5 provide water elevation maps for the uppermost aquifers beneath TNX Area during Third Quarter 1996 and November 1998, respectively. The maps are oriented to true north using Universal Transverse Mercator (UTM) coordinates.

During 1998 the horizontal groundwater flow in the unconfined aquifer beneath the TNX Area changed compared to previous years. In 1998, as previously, the horizontal flow in the eastern section of the area was to the southwest. The water continued to the southwest toward the Savannah River Swamp. In 1998, the horizontal flow in the western portion of the area was toward the pumping wells. The potentiometric surface in the semiconfined aquifer could not be contoured because of the near-linear distribution of the three wells in this aquifer.

The groundwater flow velocity is directly related to the hydraulic gradient. The pumping wells are drawing down the potentiometric surface and increasing the hydraulic gradient. Groundwater flow velocities are increasing in the area, with the greatest increases near the pumping wells.

#### **6.5 Precipitation Measurements**

Daily precipitation measurements were made at a meteorological station located approximately 2.5 miles southeast of TNX Area at D Area (see Figure 1). The measurements represent the total precipitation for a 24-hour period. Table 1 is a monthly summary for rainfall at D Area for the last 5 years. Monthly rainfall was within the normal range for most of 1997. Rainfall 1998 was below normal, as indicated in Figure 6. See also the hydrographs in Appendix D.

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Table 1. Rainfall (inch) at 400-D, 1994 - 1998

Month	1994	1995	1996	1997	1998
January	4.71	5.28	2.6	4.14	6.10
February	4.49	6.06	2.05	5.1	6.26
March	6.72	2.47	6.26	1.98	7.86
April	1.29	0.17	1.69	3.42	4.19
May	1.66	2.28	1.6	1.69	7.14
June	7.33	7.24	3.65	6.82	2.86
July	6.08	4.2	4.89	6.54	7.52
August	3.62	6.86	7.93	1.37	1.58
September	2.33	3.95	3.72	5.41	6.33
October	8.98	2.11	1.98	4.74	0.65
November	2.86	2.49	1.5	4.29	0.57
December	4.71	4.47	2.74	7.93	1.89
Annual Totals	54.78	47.58	40.61	53.43	52.95

## 6.6 Purging and Sampling Problems

From January to February wells TRW3 and 4 were out of service for pipe replacement. Piping was switched from galvanized pipe to PVC. During March the air stripper was dismantled to clean lower trays and sump level probe, consequently the recovery wells were not sampled. April the stripper was shut down for to replace a switch, approximate downtime was 1 day. During April the System was restarted with new piping in place. TRW1 and 4 were not operated in April due to drawdown test. All TRW wells were returned to service on May 20, 1998. At well TNX 27D on June 3, 1998, three gallons were purged through the sample port. P 26D was sampled on August 10, 1998, but samples were not shipped because of historical total activity results. The well was re-sampled on September 8, 1998, and the samples were shipped as non-radioactive. Well TNX 21D had a turbidity reading of 38.9 NTU on December 7, 1998. Water level measurements were not taken at well TRW 3 on October 15, 1998, November 30,

1998, or December 16, 1998; the well did not have water in the standpipe. These problems are illustrated in Table 2.

**Table 2. Wells not Sampled During 1998**

Well	Sample Date	Reason
TRW 1	03/31/98	Inoperable
TRW 2	03/31/98	Inoperable
TRW 3	01/01 - 01/31/98	Not running
	02/27/98	Not running
	03/31/98	Inoperable. A scheduled replicate and field blank also were not taken
TRW 4	01/01- 01/31/98	Not running
	02/01- 02/28/98	Not running
	03/31/98	Inoperable
TRW 1	No date given - April COC	Pump inoperable
TRW 2	No date given - April COC	Pump inoperable
TRW 3	No date given - April COC	Pump inoperable
TRW 4	No date given - April COC	Pump inoperable
TNX 11D	08/06/98	10 gallons purged through sample port to lower turbidity
TNX 27D	09/30/98	1 gallon purged through sample port
TBG 4	12/04/98	Cap cannot be removed
TCM 2	12/04/98	Water level probe in well
TNX 9D	12/03/98	Water level probe in well
TNX 10D	12/03/98	Water level probe in well
TNX 11D	12/03/98	Water level probe in well
TNX 23D	12/03/98	Water level probe in well

Monitoring wells TBG4, TNX9D, TNX10D, and TNX11D are designated primary wells in the Environmental Monitoring Strategy Addendum for the TNX Groundwater Operable Unit RDR/RA Work Plan. The regulators were notified of the missed sampling event, and a make-up sampling event was performed in January/February 1999. The missed sampling event did not compromise the

ability to ascertain the effectiveness of the T-1 Air Stripper System. This data will be reported in the semi-annual report due in the September 1999 timeframe.

## 7.0 ANALYTICAL RESULTS

Maximum results for analytes that equaled or were above the Final PDWS or groundwater maximum constituent level (MCL) protection standard in sampled wells during 1998 are provided in Table 3 for Primary Wells and Table 4 for Recovery Wells.

**Table 3. Constituents Exceeding Applicable Standards in Primary Wells**

Well Name	Constituent	MCL	Unit	1Q 98	2Q 98	3Q 98	4Q 98
TBG 1	Carbon Tetrachloride	5	µg/L	15	19.8	34.3	26
	Gross Alpha	15	PCi/mL	---	31.68	31.96	22.14
	Nitrate as Nitrogen	10000	µg/L	---	---	12200	13600
	Trichloroethylene	5	µg/L	3.6	6.59	8.16	14.2
TBG 3	Carbon Tetrachloride	5	µg/L	222	336	408	275
	Cis-1,2-Dichloroethylene	70	µg/L	NA	NA	111	98.6
	Gross Alpha	15	PCi/mL	---	35.8	23.48	23.58
	Nitrate as Nitrogen	10000	µg/L	---	---	15400	18300
	Tetrachloroethylene	5	µg/L	---	8.05	12.6	14
	Trichloroethylene	5	µg/L	394	1040	875	488
TBG 5	Total Organic Halogens	50	µg/L	NA	NA	NA	747
	Trichloroethylene	5	µg/L	1710	1510	844	1460
TBG 6	Carbon Tetrachloride	5	µg/L	19.7	7.07	---	---
	Nitrate as Nitrogen	10000	µg/L	---	---	13400	10700
	Trichloroethylene	5	µg/L	428	800	465	1450
TNX 3D	Carbon Tetrachloride	5	µg/L	28.4	31.8	26.7	74.2
	Cis-1,2-Dichloroethylene	70	µg/L	NA	NA	22.1	192
	Tetrachloroethylene	5	µg/L	22	12.8	---	13.5
	Trichloroethylene	5	µg/L	176	230	293	442
TNX 4D	Bis(2-ethylhexyl) phthalate	6	µg/L	NA	NA	---	7.74
TNX 8D	Trichloroethylene	5	µg/L	7.12	8.53	7.18	7.1
TNX 16D	Trichloroethylene	5	µg/L	NA	45.1	49	48.4
TNX 27D	Nitrate as Nitrogen	10000	µg/L	---	---	4100	21900
	Trichloroethylene	5	µg/L	---	---	7.89	99.2

Well Name	Constituent	MCL	Unit	1Q 98	2Q 98	3Q 98	4Q 98
XSB 1D	Bis(2-ethylhexyl) phthalate*	6	µg/L	NA	NA	---	8.68
	Trichloroethylene	5	µg/L	12.4	282	19	21.6
XSB 2D	Bis(2-ethylhexyl) phthalate*	6	µg/L	NA	NA	---	30.3
	Trichloroethylene	5	µg/L	21.5	31.4	15.2	22.5
XSB 3A	Total Organic Halogens	50	µg/L	NA	NA	NA	54.7
	Trichloroethylene	5	µg/L	7.09	---	12.3	63.1
XSB 4D	Bis(2-ethylhexyl) phthalate*	6	µg/L	NA	NA	---	7.54

NOTES: This table presents the highest value for duplicate/replicate results. See Tables B-1 and B-2 for modifiers that may have been applied to these results.

NA = not analyzed

-- = analyzed but not above PDWS

\* = Appendix IX constituent (analyzed Third and Fourth Quarter only).

Results that equaled or exceeded final PDWS may be described as exceeding standards, above standards, or elevated. The final PDWS are used as guidelines in this compliance report to meet regulatory requirements. Constituent results in Tables B-1, B-2, and B-3 that appear to equal the final PDWS but are not marked in the *ST* column (exceeded standard) are below the final PDWS in the database. Database results, which are the results that are compared to the final PDWS, have more significant digits than the results given in this report. Apparent discrepancies are due to the rounding of reported results.

## 7.1 Results for Primary and Recovery Wells

Among wells identified in the Effectiveness Monitoring Strategy Addendum for the TNX Groundwater Operable Unit RDR/RA Work Plan (WSRC 1996) as monitoring the semi-confined aquifer zone, only the Appendix IX metal Bis(2-ethylhexyl) phthalate in wells XSB 1D, 2D, and 4D during the Fourth Quarter exceeded its standard. Discussion of other results above standards for the primary wells follows. Note that for most of the constituents of concern, there is a general

reduction in frequency of wells containing constituents above standards and in the maximum concentrations of these constituents.

### 7.2 Primary Wells, First Quarter 1998

- Trichloroethylene was elevated in eight wells; The maximum concentration occurred in well TBG 5A at 1,710 µg/L.
- Carbon tetrachloride was elevated in four wells, with a maximum concentration of 222 µg/L in well TBG 3.
- Gross alpha was elevated in two wells, with a maximum concentration of 14.5 pCi/L in well TBG 3.
- Tetrachloroethylene was elevated in well TBG 3D with a concentration of 22 µg/L.

### 7.3 Primary Wells, Second Quarter 1998

- Trichloroethylene was elevated in nine wells. The maximum concentration occurred in well TBG 5A at 1,510 µg/L.
  - Carbon tetrachloride was elevated in four wells, with a maximum concentration of 336 µg/L in well TBG 3.
  - Gross alpha was elevated in two wells, with a maximum concentration of 35.8 pCi/L in well TBG 3.
  - tetrachloroethylene was elevated in two wells. TBG 3D has the maximum concentration of 22 µg/L.
-



#### 7.4 Primary Wells, Third Quarter 1998

- Trichloroethylene was elevated in eleven wells. The maximum concentration occurred in well TBG 3 at 875 µg/L.
- Nitrate as nitrogen was elevated in four wells, with a maximum concentration at well TBG 3 of 15,400 µg/L.
- Carbon tetrachloride was elevated in three wells, with a maximum concentration of 408 µg/L in well TBG 3.
- Gross alpha was elevated in two wells, with a maximum concentration of 31.96 pCi/L in well TBG 1.
- Tetrachloroethylene was elevated in well TBG 3 with a concentration of 12.6 µg/L.

#### 7.5 Primary Wells, Fourth Quarter 1998

- Trichloroethylene was elevated in eleven wells. The maximum concentration occurred in well TBG 5A at 1,460 µg/L.
- Nitrate as nitrogen was elevated in four wells, with a maximum concentration at well TBG 3 of 15,400 µg/L.
- Bis(2-ethylhexyl) phthalate was elevated in four wells, with a maximum concentration at XSB 2D with a reading of 30.2 µg/L.
- Carbon tetrachloride was elevated in four wells, with a maximum concentration of 275 µg/L in well TBG 3.
- Gross alpha was elevated in two wells, with a maximum concentration of 23.58 pCi/L in well TBG 3.
- Mercury total recoverable was elevated in two wells, with a maximum concentration at well XSB 1A of 3.44 µg/L.

- Tetrachloroethylene was elevated in two wells; TBG 3 has a maximum concentration of 14  $\mu\text{g/L}$ .

Table 4. Monthly Constituents Above Applicable Limits in Appendix A for the Recovery Wells during 1998.

Wells / Constituent	Limits	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Well TRW 1</b>													
Carbon tetrachloride	5	12.1	11.1	NA	NA	14	8.11	14.2	8.17	8.99	13.2	12.4	12.6
Gross alpha	15 (pCi/L)	---	NA	NA	NA	---	---	---	200	---	---	---	NA
Mercury, total recoverable	2	3.55	NA	NA	NA	---	---	---	---	---	---	---	---
Trichloroethylene	5	99.2	116	NA	NA	170	98.2	232	85.9	86.9	151	94.8	126
<b>Well TRW 2</b>													
Carbon tetrachloride	5	---	---	NA	---	8.11	5.27	6.61	6.29	9.22	10.4	8.2	8.16
Trichloroethylene	5	33.2	24.2	NA	35.8	79	52.3	94	55.8	60.3	64.1	57.6	61.2
<b>Well TRW 3</b>													
Carbon tetrachloride	5	NA	NA	NA	NA	---	5.12	9.66	8.25	8.43	9.66	6.77	6.81
Trichloroethylene	5	NA	NA	NA	NA	93.4	108	195	91.1	162	93.9	92.4	100
<b>Well TRW 4</b>													
1,1,1-Trichloroethane	200	NA	NA	NA	NA	---	---	---	259	---	---	---	---
Carbon tetrachloride	5	NA	NA	NA	NA	---	---	---	259	---	---	---	5.21
Chloroform	100	NA	NA	NA	NA	---	---	---	250	---	---	---	---
Tetrachloroethylene	5	NA	NA	NA	NA	---	---	---	262	---	---	---	---
Trichloroethylene	5	NA	NA	NA	NA	71	89.2	242	416	189	187	196	285

Notes: All units are in µg/L except where noted.

All limits are MCL limits except where noted.

This table presents the highest value for duplicate/replicate results. See Table B-3 for modifiers that may have been applied to these results.

NA = not analyzed

--- = analyzed but not above applicable limits

## **7.6 Analytical Results for Recovery Wells**

All of the recovery wells exceeded the PDWS for trichloroethylene at every sampling event. The highest value observed was 285 µg/L in well TRW 4 during the Fourth Quarter 1998. Elevated levels of carbon tetrachloride also were seen frequently, with a maximum value for carbon tetrachloride of 10.4 µg/L in well TRW 2 during Fourth Quarter 1998.

## **7.7 Hydrographs**

Hydrographs showing water elevation changes over time for TNX area wells in the Addendum to the Effectiveness Monitoring Strategy are provided in Appendix D of this report. The date that pumping started is indicated by a vertical line in each hydrograph, labeled September 16, 1996. The hydrographs were constructed from water level measurements made by both EPD/EMS samplers and SRTC personnel. The EPD/EMS measurements may be found in previous groundwater monitoring reports for TNX Area, EPD/EMS quarterly site-wide groundwater monitoring reports, and the GIMS database. The SRTC measurements are located in Table B-6 of this report.

## **7.8 Time-Series Results**

Time-series plots of carbon tetrachloride, nitrate-nitrite, tetrachloroethylene, and trichloroethylene levels for the primary wells from First Quarter 1991 through Fourth Quarter 1998 are in Appendix E. Results for both nitrate and nitrate-nitrite as nitrogen analyses are included in the nitrate-nitrite plots.

## 8.0 SYSTEM PERFORMANCE

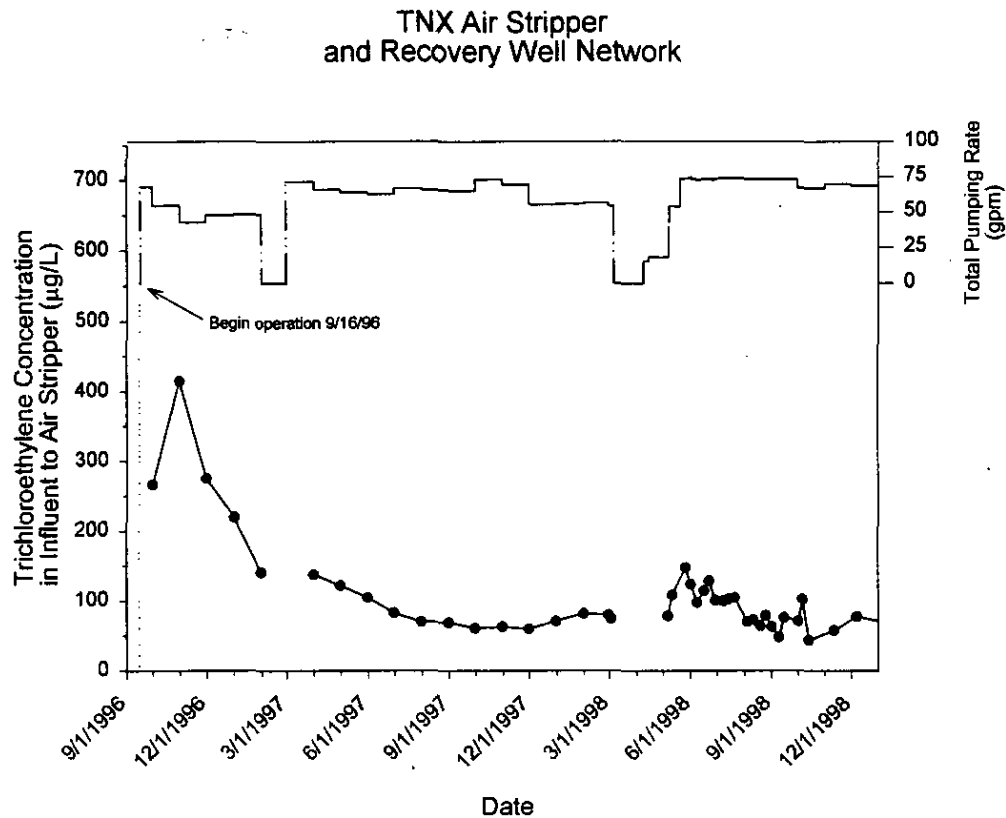
### 8.1 Operation and Performance

The operating history of the T-1 air stripper is summarized in Figure 7. The air stripper operated from the start of pumping in the recovery wells in September 1996 to the end of 1998 with only one unplanned shutdown. The system shut down because of a low air flow alarm. Alarm malfunction was found to be the cause of the problem.

No significant modifications were made to the system. Some minor improvements were made during the outage.

The system treated 62.6 million gallons between September 16, 1996, and January 1, 1999. During calendar year 1998, 30.6 million gallons were treated, representing almost half of the entire production. In 1998, approximately 775 gallons were processed through the purge water tank to the stripper. Performance has continued to be good.

Following initial start-up activities in September 1996, the stripper was operated at approximately 68 gpm. With the exception of controls at wells TRW 3 and 4 to prevent these wells from running dry, flow was not restricted. The airflow at this time was approximately 900 ft<sup>3</sup>/min. During 1998 the stripper operated at an average of approximately 64.6 gpm. The airflow during 1998 was approximately 800 ft<sup>3</sup>/min.



**Figure 7. Time series for TNX Air Stripper and Recovery Well Network**

The system treated 30.6 million gallons of water during the 1998 timeframe as summarized in Table 5 below. Performance of the system is good with the exception of the minor shutdown described above. On average, approximately 2.6 million gallons were treated in the system per month.

Table 5. Gallons Treated and Influent Concentrations of Trichloroethylene (TCE) and Carbon Tetrachloride (CCl<sub>4</sub>)

Month	Gallons Treated (Monthly in Millions)	Gallons treated (Cumulative, in millions)	Influent Concentration of TCE (µg/L)	Pounds of TCE Removed	Influent Concentration of CCl <sub>4</sub> (µg/L)	Pounds of CCl <sub>4</sub> Removed
Jan-98	2.48	2.48	82	1.70	13	0.27
Feb-98	1.97	4.45	80	1.32	7	0.12
Mar-98	0.34	4.78	74	0.21	<b>2.5</b>	0.01
Apr-98	0.61	5.38	<i>48</i>	0.24	<i>4</i>	0.02
May-98	2.56	7.95	<i>114</i>	2.44	<i>15</i>	0.32
Jun-98	3.44	11.4	<i>113</i>	3.24	<i>12</i>	0.34
Jul-98	3.00	14.4	<i>103</i>	2.58	<i>11</i>	0.28
Aug-98	3.62	18.0	<i>72</i>	2.18	<i>10</i>	0.30
Sep-98	2.90	20.9	<i>62</i>	1.50	<i>9</i>	0.22
Oct-98	3.04	24.0	<i>73</i>	1.85	<i>8</i>	0.20
Nov-98	3.32	27.3	<i>58</i>	1.61	<i>7</i>	0.19
Dec-98	3.38	30.6	<i>78</i>	2.20	<i>8.9</i>	0.25
Average Reading for 1998	2.555		79.75	1.754	8.95	0.209

Concentrations in bold are estimated

Concentrations in italics are averages of two or more samples

## 8.2 Removal of Groundwater Contaminated with Trichloroethylene

Approximately 21.1 pounds of trichloroethylene was removed from the groundwater between January 1998 and December 31, 1998, using the recovery well network and air stripper. Currently the average removal of trichloroethylene from the recovery well system is approximately 1.75 pounds per month. This is an increase from last year's monthly average of 1.4 pounds, an increase of 25% over the previous year.

The trichloroethylene concentration in water collected by the recovery wells initially contained approximately 82 µg/L in January 1998 and decreased to 78 µg/L in December (see Table 5 above). Table 5 shows that the concentration of

trichloroethylene averaged 79.75  $\mu\text{g/L}$  for the year. The average of the year is within 5 percent of the concentration reported in January and December of 1998 (see Table 5 above).

### **8.3 Removal of Groundwater Contaminated with Carbon Tetrachloride**

Approximately 2.52 pounds of carbon tetrachloride was removed from the groundwater between January 1, 1998, and December 12, 1998, using the recovery well network and air stripper. Currently the average removal of carbon tetrachloride from the recovery well system is approximately 0.21 pounds per month.

The carbon tetrachloride concentration in water collected by the recovery wells initially contained approximately 13  $\mu\text{g/L}$  in January 1998 and decreased to 8.9  $\mu\text{g/L}$  in December (a drop of approximately 46 percent). Table 5 shows that the concentration of carbon tetrachloride averaged 8.95  $\mu\text{g/L}$  for the year.

### **8.4 Containment of Groundwater Contamination**

Operation of the TNX recovery well network significantly altered groundwater flow patterns in the unconfined aquifer beneath the TNX Area. Alterations of the flow patterns are illustrated by comparing Figures 4 and 5. Figure 4 shows the configuration of the water table before operation of the recovery well system, and Figure 5 shows the configuration of the water table during the operation of the recovery well system in 1998. The recovery well system produced significant drawdown beneath the TNX Area. The drawdown produced a capture zone that entirely encompasses the groundwater beneath TNX that contains  $>500 \mu\text{g/L}$  of trichloroethylene. The capture zone is illustrated in Figure 5 by the shaded area.

The effect of the IA recovery well pumping may be seen in the changes in water elevation in monitoring wells close to the recovery well since September 1996.

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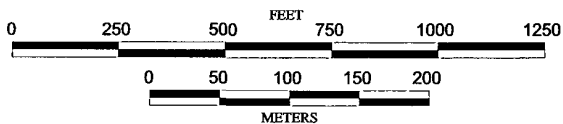
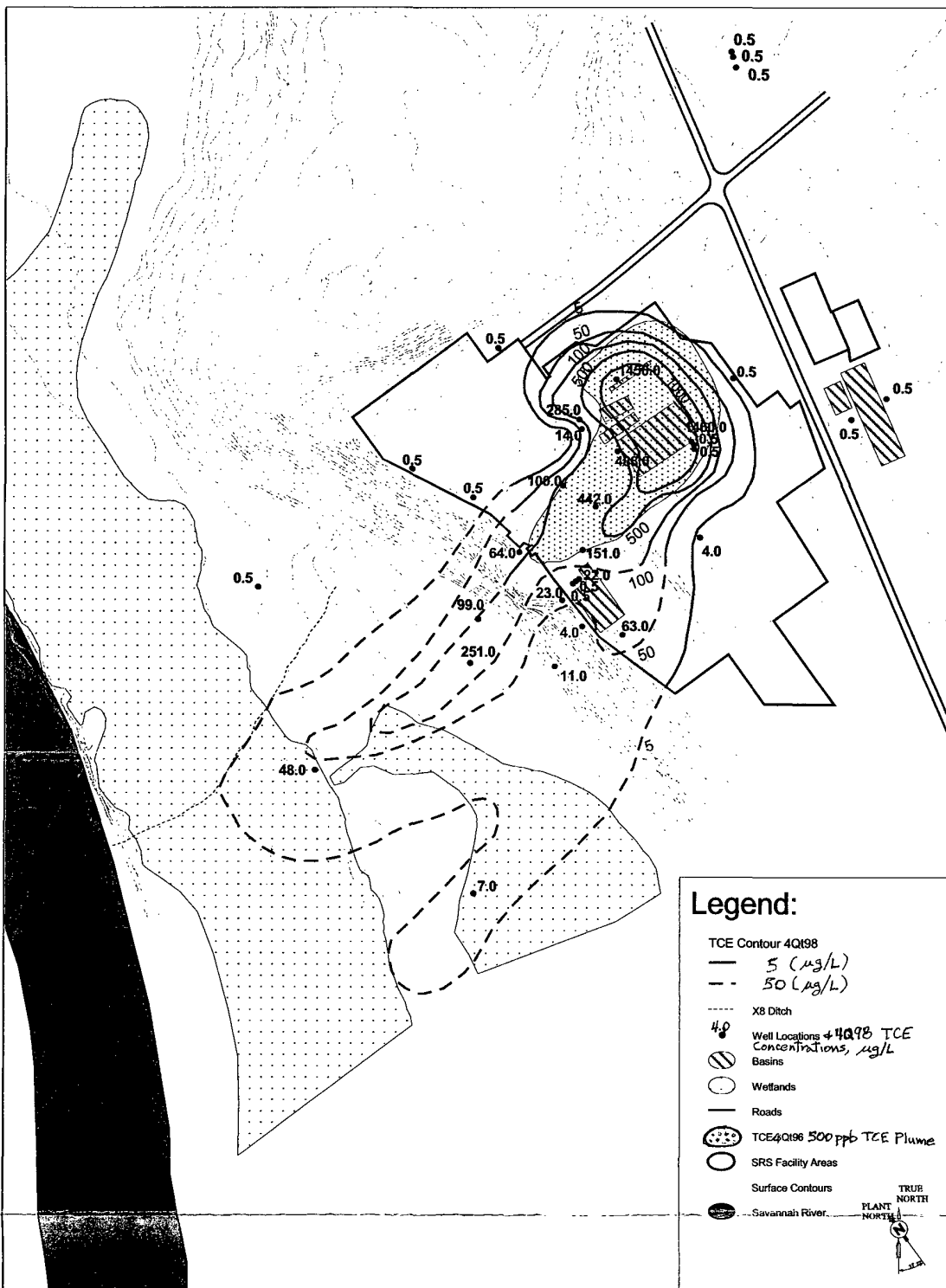


Water elevations in those monitoring wells prior to September 1998 and in monitoring wells away from the influence of the recovery well system show variations related to rainfall, proximity to streams, outfalls, other physical features, and other factors.

Figure 8 depicts Fourth Quarter 1998 TCE concentrations with the projected Fourth Quarter 1996 500ppb plume superimposed. Analysis indicates that the footprint of the 500ppb TCE plume has been substantially reduced since operation of the IA.

## **8.5 Conclusions**

The T-1 Air Stripper System is working. Table 5 indicates that removal for trichloroethylene and carbon tetrachloride from the groundwater in TNX is proceeding at a rate of 1.75 pounds per month and 0.21 pounds per month, respectively.



CONTOUR INTERVAL 2 FEET  
BASED ON THE SRS-3302 BASEMAPS

TNX AREA TCE CONCENTRATIONS IN GROUNDWATER WITH  
PROJECTED 4Q96 500 PPB PLUME SUPERIMPOSED

Savannah River Site  
Aiken, South Carolina

Figure 8. TNX Area TCE Concentration in Groundwater, FOURTH  
Quarter 1998 WITH Projected 4Q96 500PPB Plume Superimposed

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**APPENDIX A**  
**Data Review Key and Primary Drinking Water**  
**Standards**

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## 1998 Data Review Key

This report contains analytical data for samples taken during 1998 from locations at TNX Area at SRS. The report presents monitoring results that equaled or exceeded the Safe Drinking Water Act final PDWS or screening levels established by US EPA (Appendix A), the South Carolina final PDWS for lead (Appendix A, Table A-1).

### Key to Reading the Tables

The following abbreviations may appear in the data tables:

#### Constituents

1,2,3,4,6,7,8-HPCDD	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
1,2,3,4,6,7,8-HPCDF	1,2,3,4,6,7,8-heptachlorodibenzo-p-furan
1,2,3,4,7,8-HXCDD	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
1,2,3,4,7,8-HXCDF	1,2,3,4,7,8-hexachlorodibenzo-p-furan
Lindane	gamma-benzene hexachloride
PCB	polychlorinated biphenyl
1,2,3,7,8-PCDD	1,2,3,7,8-pentachlorodibenzo-p-dioxin
1,2,3,7,8-PCDF	1,2,3,7,8-pentachlorodibenzo-p-furan
Sp. Conductance	specific conductance
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzo-p-furan

#### Laboratories

ES	QST Environmental, Inc.
EX	EMAX laboratory Services
GE and GP	General Engineering Laboratories
TM	TMA/Eberline
WA	Recra LabNet [formally Roy F. Weston, Inc.]

#### Sampling Codes

B	blank sample was collected
C	well was pumping continuously
D	well was dry
E	equipment blank was collected

I	well went dry during sampling; insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe; for water level events only
X	well went dry during purging; samples collected after well recovered

### Sampling Methods

B	sample collected using an open-bucket bailer
P	sample collected using a bladder pump
S	sample collected using a single-speed centrifugal downhole pump
V	sample collected using a variable-speed pump

### Units

E	exponential notation (e.g., $1.1\text{E-}09 = 1.1 \times 10^{-9} = 0.0000000011$ )
mg/L	milligrams per liter
msl	mean sea level
MSL	million structures per liter
NTU	turbidity unit
pCi/L	picocuries per liter
pCi/mL	picocuries per milliliter
pH	pH unit
µg/L	micrograms per liter
µS/cm	microsiemens per centimeter

### Other

CS	Carbon steel
D	Primary drinking water standard (PDWS) column in data tables
GS	Groundwater protection standard column in data tables
H	Holding-time column in data tables
Mod	Modifier column in data tables
PDWS	Primary drinking water standard
PVC	Polyvinyl chloride
TOC	Top of casing

### Holding Times

Standard analytical methods include a limit, called *holding time*, on the maximum elapsed time between sample collection and extraction or analysis by the laboratory. In the data tables, a *Q* on the right side of the modifier column indicates that holding time was exceeded. Analyses performed beyond holding times may not yield valid results.

SCDHEC allows only 15 minutes to elapse between sampling and analysis for pH. Thus only field pH measurements can meet the holding time criterion; laboratory pH analyses always will exceed it.

The laboratory procedure used to determine specific conductance allows one day to elapse between sampling and analysis. Thus laboratory specific conductance measurements may exceed the holding time criterion.

### Data Modifiers

The contract laboratories continually assess their own accuracy and precision according to US EPA guidelines. They submit sample- or batch-specific quality assurance/quality control information either at the same time as they submit analytical results or they submit them in a quarterly summary. Properly defined and used modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Modifiers designed by the EPD/EMS and used by the primary laboratories up to October 1, 1998, are defined below. After October 1, 1998, the US EPA Functional Guidelines Codes and EPA STORET Codes definitions were adopted. These modifiers appear in the data tables under the column *Mod*.

Codes for modifiers on left side of column:

Result Qualifiers

Modifier	Qualifiers before 10/1/98
(blank)	Data not remarked. Number should be interpreted exactly as reported.
I	The value in the result field is the instrument reading, not the sample quantification limit. Always used with the result qualifier U.
J	The analytical result is an estimated quantity.
L	Off-scale high. The actual value is not known but is known to be greater than value shown.
R	Rejected because performance requirements in the sample or associated quality control analyses were not met. The analyte may or may not be present.
U	Material analyzed for but not detected. Analytical result reported is less than the sample quantitation limit.

EPA Functional Guidelines Codes [formerly Result Qualifiers] (EPA 1994b and 1994c)

Modifier	Qualifiers after 10/1/98
(Blank)	Data not remarked. The analytical result is acceptable for use as reported.
J	The analyte was positively identified; the associated numerical value is an estimated concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. Use for all TIC results.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
U	Material analyzed for but not detected. The analyte concentration is <ssEQL.
NJ	The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. The reported quantitation limit is approximate and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Codes for modifiers on right side of column;

Analysis Qualifiers Modifier	Qualifiers before 10/1/98
E	The detected result is between the sample-specific EQL and the method detection limit. Report the actual result detected.
I	<b>Matrix Spike/Matrix Spike Duplicate</b> (VI, Organics FG; VI, Pesticides) <b>Matrix Spike Sample Analysis</b> (VII, Inorganics FG) Spike recovery not within control limits. Use alone or with <i>J</i> or <i>R</i> .
K	<b>Tentatively Identified Compounds (TICs)</b> (IX, Organics FG) A tentatively identified compound is a suspected aldol-condensation product. Use with both <i>J</i> and <i>N</i> .
L	<b>Calibration Criteria Not Met</b> (III, Organics FG; III, Pesticides FG; II, Inorganics FG) Calibration criteria (initial or continuing) were not met. Use with <i>J</i> or <i>R</i> . See also <i>Z</i> for inorganics.
Q	<b>Holding Time</b> (I, Organics FG; I, Pesticides FG; I, Inorganics FG) Sample held beyond normal holding time. In addition, if the holding time is exceeded by less than 30 days, use a <i>J</i> ; if the holding time is exceeded by 30 days or more, use an <i>R</i> .
V	<b>Laboratory Blanks Contaminated</b> (IV, Organics FG; IV, Pesticides FG; III, Inorganics FG)  Indicates the analyte was detected in both the sample and associated method blank. Use with the result qualifier <i>V</i> for organics or pesticides if the sample falls within the 5 times and 10 times rule for organics or the 5 times rule for pesticides and inorganics. Report the actual result detected.

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EPA STORET Codes [formerly Analysis Qualifiers] (EPA 1992)

Modifier	Qualifiers after 10/1/98
<i>(Blank)</i>	Data not remarked.
<i>I</i>	The result is less than the ssEQL, but equal to or greater than the MDL.
<i>J</i>	The result is estimated.
<i>K</i>	The actual concentration is known to be less than the reported result.
<i>L</i>	The actual concentration is known to be greater than the reported result.
<i>Q</i>	The sample was held beyond the normal holding time prior to analysis.
<i>V</i>	The analyte was detected in both the method blank and the sample.

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**Table A-1. Drinking Water Standards or Maximum Concentration Levels**

Analyte	Unit	Level	Status	Source
Alachlor	µg/L	2	Final	EPA 1996
Aldicarb <sup>a</sup>	µg/L	3	Final	EPA 1996
Aldicarb sulfone <sup>a</sup>	µg/L	2	Final	EPA 1996
Aldicarb sulfoxide <sup>a</sup>	µg/L	4	Final	EPA 1996
Antimony	µg/L	6	Final	EPA 1996
Arsenic	µg/L	50	Final	EPA 1996
Asbestos	Fibers/L	7,000,000	Final	EPA 1996
Atrazine	µg/L	3	Final	EPA 1996
Barium	µg/L	2,000	Final	EPA 1996
Benzene	µg/L	5	Final	EPA 1996
Benzo[a]pyrene	µg/L	0.2	Final	EPA 1996
Beryllium	µg/L	4	Final	EPA 1996
Bis(2-ethylhexyl) phthalate	µg/L	6	Final	EPA 1996
Bromodichloromethane	µg/L	100	Final	EPA 1996
Bromoform	µg/L	100	Final	EPA 1996
2-sec-Butyl-4,6-dinitrophenol	µg/L	7	Final	EPA 1996
Cadmium	µg/L	5	Final	EPA 1996
Carbofuran	µg/L	40	Final	EPA 1996
Carbon tetrachloride	µg/L	5	Final	EPA 1996
Chlordane	µg/L	2	Final	EPA 1996
Chlorobenzene	µg/L	100	Final	EPA 1996
Chloroethene (Vinyl chloride)	µg/L	2	Final	EPA 1996
Chloroform	µg/L	100	Final	EPA 1996
Chromium	µg/L	100	Final	EPA 1996
Copper	µg/L	1,000	Final	SCDHEC 1981
Cyanide	µg/L	200	Final	EPA 1996
Dalapon <sup>a</sup>	µg/L	200	Final	EPA 1996
Dibromochloromethane	µg/L	100	Final	EPA 1996
1,2-Dibromo-3-chloropropane	µg/L	0.2	Final	EPA 1996
1,2-Dibromoethane	µg/L	0.05	Final	EPA 1996
1,2-Dichlorobenzene	µg/L	600	Final	EPA 1996
1,4-Dichlorobenzene	µg/L	75	Final	EPA 1996
1,2-Dichloroethane	µg/L	5	Final	EPA 1996
1,1-Dichloroethylene	µg/L	7	Final	EPA 1996
1,2-Dichloroethylene	µg/L	50	Final	EPA 1996
cis-1,2-Dichloroethylene	µg/L	70	Final	EPA 1996
trans-1,2-Dichloroethylene	µg/L	100	Final	EPA 1996
Dichloromethane (Methylene chloride)	µg/L	5	Final	EPA 1996
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final	EPA 1996
1,2-Dichloropropane	µg/L	5	Final	EPA 1996
Di(2-ethylhexyl) adipate <sup>a</sup>	µg/L	400	Final	EPA 1996
Diquat dibromide <sup>a</sup>	µg/L	20	Final	EPA 1996
Endothall <sup>a</sup>	µg/L	100	Final	EPA 1996
Endrin	µg/L	2	Final	EPA 1996
Ethylbenzene	µg/L	700	Final	EPA 1996
Fluoride	µg/L	4,000	Final	EPA 1996

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Analyte	Unit	Level	Status	Source
Glyphosate <sup>a</sup>	µg/L	700	Final	EPA 1996
Gross alpha <sup>b</sup>	pCi/L	1.5E+01	Final	EPA 1996
Heptachlor	µg/L	0.4	Final	EPA 1996
Heptachlor epoxide	µg/L	0.2	Final	EPA 1996
Hexachlorobenzene	µg/L	1	Final	EPA 1996
Hexachlorocyclopentadiene	µg/L	50	Final	EPA 1996
Lead	µg/L	50	Final	SCDHEC 1981
Lindane	µg/L	0.2	Final	EPA 1996
Mercury	µg/L	2	Final	EPA 1996
Methoxychlor	µg/L	40	Final	EPA 1996
Nickel	µg/L	100	Final	EPA 1996
Nitrate as nitrogen	µg/L	10,000	Final	EPA 1996
Nitrate-nitrite as nitrogen	µg/L	10,000	Final	EPA 1996
Nitrite as nitrogen	µg/L	1,000	Final	EPA 1996
Nonvolatile beta	pCi/L	5E+01	Interim Final	EPA 1977
Oxamyl <sup>a</sup>	µg/L	200	Final	EPA 1996
PCB 1016	µg/L	0.5	Final	EPA 1996
PCB 1221	µg/L	0.5	Final	EPA 1996
PCB 1232	µg/L	0.5	Final	EPA 1996
PCB 1242	µg/L	0.5	Final	EPA 1996
PCB 1248	µg/L	0.5	Final	EPA 1996
PCB 1254	µg/L	0.5	Final	EPA 1996
PCB 1260	µg/L	0.5	Final	EPA 1996
PCB 1262	µg/L	0.5	Final	EPA 1996
Pentachlorophenol	µg/L	1	Final	EPA 1996
Picloram <sup>a</sup>	µg/L	500	Final	EPA 1996
Selenium	µg/L	50	Final	EPA 1996
Simazine <sup>a</sup>	µg/L	4	Final	EPA 1996
Strontium-89/90 <sup>c</sup>	pCi/L	8E+00	Final	EPA 1996
Strontium-90	pCi/L	8E+00	Final	EPA 1996
Styrene	µg/L	100	Final	EPA 1996
2,3,7,8-TCDD	µg/L	0.00003	Final	EPA 1996
Tetrachloroethylene	µg/L	5	Final	EPA 1996
Thallium	µg/L	2	Final	EPA 1996
Toluene	µg/L	1,000	Final	EPA 1996
Toxaphene	µg/L	3	Final	EPA 1996
2,4,5-TP (Silvex)	µg/L	50	Final	EPA 1996
1,2,4-Trichlorobenzene	µg/L	70	Final	EPA 1996
1,1,1-Trichloroethane	µg/L	200	Final	EPA 1996
1,1,2-Trichloroethane	µg/L	5	Final	EPA 1996
Trichloroethylene	µg/L	5	Final	EPA 1996
Tritium	pCi/mL	2E+01	Final	EPA 1996
Xylenes	µg/L	10,000	Final	EPA 1996

Note: Final PDWS were assigned to alachlor, aldicarb, aldicarb sulfone, aldicarb sulfoxide, atrazine, carbofuran, dalapon, di(2-ethylhexyl) adipate, diquat dibromide, endothall, glyphosate, oxamyl, picloram, and simazine in the SRS Groundwater Monitoring Program for the first time beginning First Quarter 1994.

<sup>a</sup> At present, EMS does not perform this analysis because the constituent is not in the current contract.

<sup>b</sup> The standard given is for gross alpha including radium-226 but excluding radon and uranium.



- <sup>c</sup> For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

## Flagging Criteria

The Savannah River Site EPD/EMS flagging criteria are as follows:

- Flag 2 criteria for constituents equal the Safe Drinking Water Act (SDWA) final Primary Drinking Water Standards (PDWS), the SDWA proposed PDWS, or the SDWA Secondary Drinking Water Standards (SDWS). If a constituent does not have a drinking water standard, the Flag 2 criterion equals 10 times the method detection limit (MDL) calculated as the 90th percentile detection limit obtained recently by one of the primary analytical laboratories.
- Flag 1 criteria for constituents equal one-half of the final PDWS, one-half the proposed PDWS, or one-half the SDWS. If a constituent does not have a drinking water standard, the Flag 1 criterion equals 5 times the MDL calculated as the 90th percentile detection limit obtained recently by one of the primary analytical laboratories.
- Flag 0 criteria are assigned to constituent levels below Flag 1 criteria, constituent levels below the sample detection limits, or constituents having no flagging criteria.

The following parameters are exceptions to the flagging rules:

- EPD/EMS sets flagging criteria for specific conductance and pH. No flags are set for alkalinity, calcium, carbonate, magnesium, potassium, silica, sodium, total dissolved solids, total phosphates (as P), and total phosphorus. Analyses for these parameters are conducted as part of the biennial comprehensive analyses or by special request.
- Aesthetic parameters such as color, corrosivity, pH, odor, surfactants, and turbidity are not assigned flagging criteria but are analyzed by special request.
- Common laboratory contaminants and cleaners such as dichloromethane (methylene chloride), ketones, phthalates, and toluene are not assigned flagging criteria unless they have primary drinking water standards. These constituents are analyzed by special request.

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<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source *</u>
Acenaphthene	µg/L	50	100	EPA Method 8270
Acenaphthylene	µg/L	50	100	EPA Method 8270
Acetone	µg/L	500	1,000	EPA Method 8240
Acetonitrile (Methyl cyanide)	µg/L	500	1,000	EPA Method 8240
Acetophenone	µg/L	50	100	EPA Method 8270
2-Acetylaminofluorene	µg/L	50	100	EPA Method 8270
Acrolein	µg/L	100	200	EPA Method 8240
Acrylonitrile	µg/L	100	200	EPA Method 8240
Actinium-228	pCi/L	1.64E+03	3.27E+03	Proposed PDWS (EPA 1991)
Alachlor	µg/L	1	2	Final PDWS (EPA 1993a)
Aldicarb <sup>b</sup>	µg/L	1.5	3	Final PDWS (EPA 1993a)
Aldicarb sulfone <sup>b</sup>	µg/L	1	2	Final PDWS (EPA 1993a)
Aldicarb sulfoxide <sup>b</sup>	µg/L	2	4	Final PDWS (EPA 1993a)
Aldrin	µg/L	0.25	0.5	EPA Method 8080
Alkalinity (as CaCO <sub>3</sub> )		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)
Americium-241	pCi/L	3.17E+00	6.34E+00	Proposed PDWS (EPA 1991)
Americium-243	pCi/L	3.19E+00	6.37E+00	Proposed PDWS (EPA 1991)
4-Aminobiphenyl	µg/L	50	100	EPA Method 8270
Ammonia	µg/L	500	1,000	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	50	100	EPA Method 8270
Anthracene	µg/L	50	100	EPA Method 8270
Antimony	µg/L	3	6	Final PDWS (EPA 1993a)
Antimony, dissolved	µg/L	3	6	Final PDWS (EPA 1993a)
Antimony, total recoverable	µg/L	3	6	Final PDWS (EPA 1993a)
Antimony-125	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Aramite	µg/L	50	100	EPA Method 8270
Arsenic	µg/L	25	50	Final PDWS (EPA 1993a)
Arsenic, dissolved	µg/L	25	50	Final PDWS (EPA 1993a)
Arsenic, total recoverable	µg/L	25	50	Final PDWS (EPA 1993a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final PDWS (EPA 1993a)
Atrazine	µg/L	1.5	3	Final PDWS (EPA 1993a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final PDWS (EPA 1993a)
Barium, dissolved	µg/L	1,000	2,000	Final PDWS (EPA 1993a)
Barium, total recoverable	µg/L	1,000	2,000	Final PDWS (EPA 1993a)
Barium-140 <sup>c</sup>	pCi/L	4.5E+01	9E+01	Interim Final PDWS (EPA 1977)
Benzene	µg/L	2.5	5	Final PDWS (EPA 1993a)
alpha-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
Benzidine	µg/L	250	500	EPA Method 8270
Benzo[a]anthracene	µg/L	0.05	0.1	Proposed PDWS (EPA 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA 1990)
Benzoic acid	µg/L	250	500	EPA Method 8270
Benzo[g,h,i]perylene	µg/L	50	100	EPA Method 8270
Benzo[a]pyrene	µg/L	0.1	0.2	Final PDWS (EPA 1993a)

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1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	50	100	EPA Method 8270
Beryllium	µg/L	2	4	Final PDWS (EPA 1993a)
Beryllium, dissolved	µg/L	2	4	Final PDWS (EPA 1993a)
Beryllium, total recoverable	µg/L	2	4	Final PDWS (EPA 1993a)
Beryllium-7	pCi/L	3E+03	6E+03	Interim Final PDWS (EPA 1977)
Bis(2-chloroethoxy) methane	µg/L	50	100	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	50	100	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3	6	Final PDWS (EPA 1993a)
Bismuth-214	pCi/L	9.4E+03	1.89E+04	Proposed PDWS (EPA 1991)
Boron	µg/L	150	300	EPA Method 6010
Boron, dissolved	µg/L	150	300	EPA Method 6010
Boron, total recoverable	µg/L	150	300	EPA Method 6010
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromodichloromethane	µg/L	50	100	Final PDWS (EPA 1993a)
Bromoform	µg/L	50	100	Final PDWS (EPA 1993a)
Bromomethane (Methyl bromide)	µg/L	5	10	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	50	100	EPA Method 8270
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final PDWS (EPA 1993a)
Cadmium	µg/L	2.5	5	Final PDWS (EPA 1993a)
Cadmium, dissolved	µg/L	2.5	5	Final PDWS (EPA 1993a)
Cadmium, total recoverable	µg/L	2.5	5	Final PDWS (EPA 1993a)
Calcium		No flag	No flag	Set by EPD/EMS
Calcium, dissolved		No flag	No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	No flag	Set by EPD/EMS
Carbofuran	µg/L	20	40	Final PDWS (EPA 1993a)
Carbon-14	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Carbon disulfide	µg/L	5	10	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final PDWS (EPA 1993a)
Cerium-141 <sup>c</sup>	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA 1977)
Cerium-144	pCi/L	1.31E+02	2.61E+02	Proposed PDWS (EPA 1991)
Cesium-134 <sup>d</sup>	pCi/L	4.07E+01	8.13E+01	Proposed PDWS (EPA 1991)
Cesium-137	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA 1977)
Chlordane	µg/L	1	2	Final PDWS (EPA 1993a)
Chloride	µg/L	125,000	250,000	SDWS (EPA 1993b)
4-Chloroaniline	µg/L	50	100	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final PDWS (EPA 1993a)
Chlorobenzilate	µg/L	50	100	EPA Method 8270
4-Chloro-m-cresol	µg/L	50	100	EPA Method 8270
Chloroethane	µg/L	5	10	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final PDWS (EPA 1993a)
Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
Chloroform	µg/L	50	100	Final PDWS (EPA 1993a)
Chloromethane (Methyl chloride)	µg/L	5	10	EPA Method 8240
2-Chloronaphthalene	µg/L	50	100	EPA Method 8240
2-Chlorophenol	µg/L	50	100	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	50	100	EPA Method 8270
Chloroprene	µg/L	1,000	2,000	EPA Method 8240
Chromium	µg/L	50	100	Final PDWS (EPA 1993a)

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Chromium, dissolved	µg/L	50	100	Final PDWS (EPA 1993a)
Chromium, total recoverable	µg/L	50	100	Final PDWS (EPA 1993a)
Chromium-51 <sup>c</sup>	pCi/L	3E+03	6E+03	Interim Final PDWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed PDWS (EPA 1990)
Cobalt	µg/L	20	40	EPA Method 6010
Cobalt, dissolved	µg/L	20	40	EPA Method 6010
Cobalt, total recoverable	µg/L	20	40	EPA Method 6010
Cobalt-57	pCi/L	5E+02	1E+03	Interim Final PDWS (EPA 1977)
Cobalt-58 <sup>d</sup>	pCi/L	4.5E+03	9E+03	Interim Final PDWS (EPA 1977)
Cobalt-60	pCi/L	5E+01	1E+02	Interim Final PDWS (EPA 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Final PDWS (SCDHEC 1981)
Copper, dissolved	µg/L	500	1,000	Final PDWS (SCDHEC 1981)
Copper, total recoverable	µg/L	500	1,000	Final PDWS (SCDHEC 1981)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	50	100	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	50	100	EPA Method 8270
Curium-242	pCi/L	6.65E+01	1.33E+02	Proposed PDWS (EPA 1991)
Curium-243	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA 1991)
Curium-243/244 <sup>e</sup>	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA 1991)
Curium-244	pCi/L	4.92E+00	9.84E+00	Proposed PDWS (EPA 1991)
Curium-245/246 <sup>e</sup>	pCi/L	3.12E+00	6.23E+00	Proposed PDWS (EPA 1991)
Curium-246	pCi/L	3.14E+00	6.27E+00	Proposed PDWS (EPA 1991)
Cyanide	µg/L	100	200	Final PDWS (EPA 1993a)
Dalapon <sup>b</sup>	µg/L	100	200	Final PDWS (EPA 1993a)
p,p'-DDD	µg/L	0.5	1	EPA Method 8080
p,p'-DDE	µg/L	0.5	1	EPA Method 8080
p,p'-DDT	µg/L	0.5	1	EPA Method 8080
Diallate	µg/L	50	100	EPA Method 8270
Dibenz[a,h]anthracene	µg/L	0.15	0.3	Proposed PDWS (EPA, 1990)
Dibenzofuran	µg/L	50	100	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final PDWS (EPA 1993a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final PDWS (EPA 1993a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final PDWS (EPA 1993a)
Dibromomethane	µg/L	5	10	EPA Method 8240
(Methylene bromide)				
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
1,2-Dichlorobenzene	µg/L	300	600	Final PDWS (EPA 1993a)
1,3-Dichlorobenzene	µg/L	50	100	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final PDWS (EPA 1993a)
3,3'-Dichlorobenzidine	µg/L	50	100	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	150	300	EPA Method 8240
Dichlorodifluoromethane	µg/L	5	10	EPA Method 8240
1,1-Dichloroethane	µg/L	5	10	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final PDWS (EPA 1993a)
1,1-Dichloroethylene	µg/L	3.5	7	Final PDWS (EPA 1993a)
1,2-Dichloroethylene	µg/L	25	50	Final PDWS (EPA 1993a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final PDWS (EPA 1993a)
trans-1,2-Dichloroethylene	µg/L	50	100	Final PDWS (EPA 1993a)
Dichloromethane	µg/L	2.5	5	Final PDWS (EPA 1993a)
(Methylene chloride)				
2,4-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,6-Dichlorophenol	µg/L	50	100	EPA Method 8270

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2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final PDWS (EPA 1993a)
1,2-Dichloropropane	µg/L	2.5	5	Final PDWS (EPA 1993a)
cis-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
Dieldrin	µg/L	2.5	5	EPA Method 8080
Di(2-ethylhexyl) adipate	µg/L	200	400	Final PDWS (EPA 1993a)
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Dimethoate	µg/L	50	100	EPA Method 8270
p-Dimethylaminoazobenzene	µg/L	50	100	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[a]anthracene	µg/L	50	100	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	50	100	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	50	100	EPA Method 8270
2,4-Dimethyl phenol	µg/L	50	100	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
1,3-Dinitrobenzene	µg/L	50	100	EPA Method 8270
2,4-Dinitrophenol	µg/L	250	500	EPA Method 8270
2,4-Dinitrotoluene	µg/L	50	100	EPA Method 8270
2,6-Dinitrotoluene	µg/L	50	100	EPA Method 8270
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
1,4-Dioxane	µg/L	50	100	EPA Method 8270
Diphenylamine	µg/L	50	100	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	50	100	EPA Method 8270
Diquat dibromide <sup>b</sup>	µg/L	10	20	Final PDWS (EPA 1993a)
Dissolved organic carbon	µg/L	5,000	10,000	EPA Method 9060
Disulfoton	µg/L	50	100	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
Endosulfan I	µg/L	0.5	1	EPA Method 8080
Endosulfan II	µg/L	0.5	1	EPA Method 8080
Endosulfan sulfate	µg/L	0.5	1	EPA Method 8080
Endothall <sup>b</sup>	µg/L	50	100	Final PDWS (EPA 1993a)
Endrin	µg/L	1	2	Final PDWS (EPA 1993a)
Endrin aldehyde	µg/L	0.5	1	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethylbenzene	µg/L	350	700	Final PDWS (EPA 1993a)
Ethyl methacrylate	µg/L	50	100	EPA Method 8270
Ethyl methanesulfonate	µg/L	50	100	EPA Method 8270
Europium-152	pCi/L	3E+01	6E+01	Interim Final PDWS (EPA 1977)
Europium-154	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA 1977)
Europium-155	pCi/L	3E+02	6E+02	Interim Final PDWS (EPA 1977)
Famphur	µg/L	50	100	EPA Method 8270
Fluoranthene	µg/L	50	100	EPA Method 8270
Fluorene	µg/L	50	100	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final PDWS (EPA 1993a)
Glyphosate <sup>b</sup>	µg/L	350	700	Final PDWS (EPA 1993a)
Gross alpha	pCi/L	7.5E+00	1.5E+01	Final PDWS (EPA 1993a)
Heptachlor	µg/L	0.2	0.4	Final PDWS (EPA 1993a)
Heptachlor epoxide	µg/L	0.1	0.2	Final PDWS (EPA 1993a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.00325	0.0065	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.00325	0.0065	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.00225	0.0045	EPA Method 8280

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Hexachlorobenzene	µg/L	0.5	1	Final PDWS (EPA 1993a)
Hexachlorobutadiene	µg/L	50	100	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final PDWS (EPA 1993a)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,7,8-HxCDD	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,2,3,4,7,8-HxCDF	µg/L	0.002	0.004	EPA Method 8280
Hexachloroethane	µg/L	50	100	EPA Method 8270
Hexachlorophene	µg/L	250	500	EPA Method 8270
Hexachloropropene	µg/L	50	100	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3-c,d]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	pCi/L	5E-01	1E+00	Interim Final PDWS (EPA 1977)
Iodine-131 <sup>c</sup>	pCi/L	1.5E+00	3E+00	Interim Final PDWS (EPA 1977)
Iodomethane (Methyl iodide)	µg/L	75	150	EPA Method 8240
Iron	µg/L	150	300	SDWS (EPA, 1993b)
Iron, dissolved	µg/L	150	300	SDWS (EPA, 1993b)
Iron, total recoverable	µg/L	150	300	SDWS (EPA, 1993b)
Iron-55 <sup>c</sup>	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA 1977)
Iron-59 <sup>c</sup>	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA 1977)
Isobutyl alcohol	µg/L	500	1,000	EPA Method 8240
Isodrin	µg/L	50	100	EPA Method 8270
Isophorone	µg/L	50	100	EPA Method 8270
Isosafrole	µg/L	50	100	EPA Method 8270
Kepone	µg/L	50	100	EPA Method 8270
Lanthanum-140 <sup>c</sup>	pCi/L	3E+01	6E+01	Interim Final PDWS (EPA 1977)
Lead	µg/L	25	50	Final PDWS (SCDHEC 1981)
Lead, dissolved	µg/L	25	50	Final PDWS (SCDHEC 1981)
Lead, total recoverable	µg/L	25	50	Final PDWS (SCDHEC 1981)
Lead-212	pCi/L	6.2E+01	1.23E+02	Proposed PDWS (EPA 1991)
Lindane	µg/L	0.1	0.2	Final PDWS (EPA 1993a)
Lithium	µg/L	25	50	EPA Method 6010
Lithium, dissolved	µg/L	25	50	EPA Method 6010
Lithium, total recoverable	µg/L	25	50	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Magnesium, dissolved		No flag	No flag	Set by EPD/EMS
Magnesium, total recoverable		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	SDWS (EPA, 1993b)
Manganese, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Manganese, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)
Manganese-54	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Mercury	µg/L	1	2	Final PDWS (EPA 1993a)
Mercury, dissolved	µg/L	1	2	Final PDWS (EPA 1993a)
Mercury, total recoverable	µg/L	1	2	Final PDWS (EPA 1993a)
Methacrylonitrile	µg/L	250	500	EPA Method 8240
Methapyrilene	µg/L	50	100	EPA Method 8270
Methoxychlor	µg/L	20	40	Final PDWS (EPA 1993a)
3-Methylcholanthrene	µg/L	50	100	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	250	500	EPA Method 8270
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS

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Methyl methacrylate	µg/L	50	100	EPA Method 8270
Methyl methanesulfonate	µg/L	50	100	EPA Method 8270
2-Methylnaphthalene	µg/L	50	100	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Molybdenum, dissolved	µg/L	250	500	EPA Method 6010
Molybdenum, total recoverable	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	50	100	EPA Method 8270
1,4-Naphthoquinone	µg/L	50	100	EPA Method 8270
1-Naphthylamine	µg/L	50	100	EPA Method 8270
2-Naphthylamine	µg/L	50	100	EPA Method 8270
Neptunium-237	pCi/L	3.53E+00	7.06E+00	Proposed PDWS (EPA 1991)
Nickel	µg/L	50	100	Final PDWS (EPA 1993a)
Nickel, dissolved	µg/L	50	100	Final PDWS (EPA 1993a)
Nickel, total recoverable	µg/L	50	100	Final PDWS (EPA 1993a)
Nickel-59 °	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Nickel-63 °	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Niobium-95 °	pCi/L	1.5E+02	3.E+02	Interim Final PDWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA 1993a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA 1993a)
Nitrite as nitrogen	µg/L	500	1,000	Final PDWS (EPA 1993a)
m-Nitroaniline	µg/L	50	100	EPA Method 8270
o-Nitroaniline	µg/L	50	100	EPA Method 8270
p-Nitroaniline	µg/L	50	100	EPA Method 8270
Nitrobenzene	µg/L	50	100	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	50	100	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodimethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodipropylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomorpholine	µg/L	50	100	EPA Method 8270
N-Nitrosopiperidine	µg/L	50	100	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	50	100	EPA Method 8270
5-Nitro-o-toluidine	µg/L	50	100	EPA Method 8270
Nonvolatile beta	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.005	0.01	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.005	0.01	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil & Grease	µg/L	5,000	10,000	EPA Method 413.1
Oxamyl °	µg/L	100	200	Final PDWS (EPA 1993a)
Parathion	µg/L	0.25	0.5	EPA Method 8080
Parathion methyl	µg/L	0.25	0.5	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final PDWS (EPA 1993a)
PCB 1221	µg/L	0.25	0.5	Final PDWS (EPA 1993a)
PCB 1232	µg/L	0.25	0.5	Final PDWS (EPA 1993a)
PCB 1242	µg/L	0.25	0.5	Final PDWS (EPA 1993a)
PCB 1248	µg/L	0.25	0.5	Final PDWS (EPA 1993a)
PCB 1254	µg/L	0.25	0.5	Final PDWS (EPA 1993a)

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<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source</u> <sup>a</sup>
PCB 1260	µg/L	0.25	0.5	Final PDWS (EPA 1993a)
PCB 1262	µg/L	0.25	0.5	Final PDWS (EPA 1993a)
Pentachlorobenzene	µg/L	50	100	EPA Method 8270
Pentachlorodibenzo-p-dioxin isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.00275	0.0055	EPA Method 8280
Pentachlorodibenzo-p-furan isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.00275	0.0055	EPA Method 8280
Pentachloroethane	µg/L	50	100	EPA Method 8270
Pentachloronitrobenzene	µg/L	50	100	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1	Final PDWS (EPA 1993a)
pH	pH	8	10	Set by EPD/EMS
pH	pH	4	3	Set by EPD/EMS
Phenacetin	µg/L	50	100	EPA Method 8270
Phenanthrene	µg/L	50	100	EPA Method 8270
Phenol	µg/L	50	100	EPA Method 8270
Phenols	µg/L	25	50	EPA Method 420.1
p-Phenylenediamine	µg/L	50	100	EPA Method 8270
Phorate	µg/L	0.5	1	EPA Method 8080
Picloram <sup>b</sup>	µg/L	250	500	Final PDWS (EPA 1993a)
2-Picoline	µg/L	50	100	EPA Method 8270
Plutonium-238	pCi/L	3.51E+00	7.02E+00	Proposed PDWS (EPA 1991)
Plutonium-239	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA 1991)
Plutonium-239/240 <sup>c</sup>	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA 1991)
Plutonium-240	pCi/L	3.11E+01	6.22E+01	Proposed PDWS (EPA 1991)
Plutonium-241 <sup>c</sup>	pCi/L	3.13E+01	6.26E+01	Proposed PDWS (EPA 1991)
Plutonium-242 <sup>c</sup>	pCi/L	3.27E+01	6.54E+01	Proposed PDWS (EPA 1991)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium, dissolved		No flag	No flag	Set by EPD/EMS
Potassium, total recoverable		No flag	No flag	Set by EPD/EMS
Potassium-40	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA 1986)
Promethium-144	pCi/L	5E+01	1E+02	EPA Method 901.1
Promethium-146	pCi/L	5E+01	1E+02	EPA Method 901.1
Promethium-147	pCi/L	2.62E+03	5.24E+03	Proposed PDWS (EPA 1991)
Pronamid	µg/L	50	100	EPA Method 8270
Propionitrile	µg/L	1,000	2,000	EPA Method 8240
Pyrene	µg/L	50	100	EPA Method 8270
Pyridine	µg/L	50	100	EPA Method 8270
Radium (alpha-emitting) <sup>f</sup>	pCi/L	1E+01	2E+01	Proposed PDWS (EPA 1991)
Radium-226	pCi/L	1E+01	2E+01	Proposed PDWS (EPA 1991)
Radium-228	pCi/L	1E+01	2E+01	Proposed PDWS (EPA 1991)
Radon-222	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA 1991)
Ruthenium-103 <sup>c</sup>	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Ruthenium-106	pCi/L	1.5E+01	3E+01	Interim Final PDWS (EPA, 1977)
Safrole	µg/L	50	100	EPA Method 8270
Selenium	µg/L	25	50	Final PDWS (EPA 1993a)
Selenium, dissolved	µg/L	25	50	Final PDWS (EPA 1993a)
Selenium, total recoverable	µg/L	25	50	Final PDWS (EPA 1993a)
Silica		No flag	No flag	Set by EPD/EMS
Silica, dissolved		No flag	No flag	Set by EPD/EMS
Silica, total recoverable		No flag	No flag	Set by EPD/EMS
Silver	µg/L	50	100	SDWS (EPA 1993b)
Silver, dissolved	µg/L	50	100	SDWS (EPA 1993b)
Silver, total recoverable	µg/L	50	100	SDWS (EPA 1993b)



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<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source *</u>
Simazine <sup>b</sup>	µg/L	2	4	Final PDWS (EPA 1993a)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium, dissolved		No flag	No flag	Set by EPD/EMS
Sodium, total recoverable		No flag	No flag	Set by EPD/EMS
Sodium-22	pCi/L	2.33E+02	4.66E+02	Proposed PDWS (EPA 1991)
Specific conductance	µS/cm	250	500	Set by EPD/EMS
Strontium-89	pCi/L	1E+01	2E+01	Interim Final PDWS (EPA 1977)
Strontium-89/90 <sup>c</sup>	pCi/L	4E+00	8E+00	Final PDWS (EPA 1993a)
Strontium-90	pCi/L	4E+00	8E+00	Final PDWS (EPA 1993a)
Styrene	µg/L	50	100	Final PDWS (EPA 1993a)
Sulfate	µg/L	200,000	400,000	Proposed PDWS (EPA, 1990)
Sulfide	µg/L	5,000	10,000	EPA Method 9030
Sulfatepp	µg/L	50	100	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.000015	0.00003	Final PDWS (EPA 1993a)
2,3,7,8-TCDF	µg/L	0.002	0.004	EPA Method 8280
Technetium-99	pCi/L	4.5E+02	9E+02	Interim Final PDWS (EPA 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	50	100	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final PDWS (EPA 1993a)
2,3,4,6-Tetrachlorophenol	µg/L	50	100	EPA Method 8270
Thallium	µg/L	1	2	Final PDWS (EPA 1993a)
Thallium, dissolved	µg/L	1	2	Final PDWS (EPA 1993a)
Thallium, total recoverable	µg/L	1	2	Final PDWS (EPA 1993a)
Thionazin	µg/L	50	100	EPA Method 8270
Thorium-228	pCi/L	6.25E+01	1.25E+02	Proposed PDWS (EPA 1991)
Thorium-230	pCi/L	3.96E+01	7.92E+01	Proposed PDWS (EPA 1991)
Thorium-232	pCi/L	4.4E+01	8.8E+01	Proposed PDWS (EPA 1991)
Thorium-234	pCi/L	2E+02	4.01E+02	Proposed PDWS (EPA 1991)
Tin	µg/L	10	20	EPA Method 282.2
Tin, dissolved	µg/L	10	20	EPA Method 282.2
Tin, total recoverable	µg/L	10	20	EPA Method 282.2
Tin-113 <sup>c</sup>	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA 1977)
Toluene	µg/L	500	1,000	Final PDWS (EPA 1993a)
o-Toluidine	µg/L	50	100	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total coliform		0	0	Final PDWS (EPA 1993a)
Total dissolved solids		No flag	No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic halogens	µg/L	25	50	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total phosphates (as P)		No flag	No flag	Set by EPD/EMS
Total phosphorus		No flag	No flag	Set by EPD/EMS
Toxaphene	µg/L	1.5	3	Final PDWS (EPA 1993a)
2,4,5-TP (Silvex)	µg/L	25	50	Final PDWS (EPA 1993a)
Tributyl phosphate	µg/L	50	100	EPA Method 8270
1,2,4-Trichlorobenzene	µg/L	35	70	Final PDWS (EPA 1993a)

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Analyte	Unit	Flag 1	Flag 2	Source <sup>a</sup>
1,1,1-Trichloroethane	µg/L	100	200	Final PDWS (EPA 1993a)
1,1,2-Trichloroethane	µg/L	2.5	5	Final PDWS (EPA 1993a)
Trichloroethylene	µg/L	2.5	5	Final PDWS (EPA 1993a)
Trichlorofluoromethane	µg/L	5	10	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	2.5	5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	5	10	EPA Method 8240
O,O,O-Triethyl phosphorothioate	µg/L	50	100	EPA Method 8270
1,3,5-Trinitrobenzene	µg/L	50	100	EPA Method 8270
Tritium	pCi/mL	1E+01	2E+01	Final PDWS (EPA 1993a)
Turbidity <sup>b</sup>		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed PDWS (EPA 1991)
Uranium, dissolved	µg/L	10	20	Proposed PDWS (EPA 1991)
Uranium, total recoverable	µg/L	10	20	Proposed PDWS (EPA 1991)
Uranium alpha activity	pCi/L	1.5E+01	3E+01	Proposed PDWS (EPA 1991)
Uranium-233/234 <sup>c</sup>	pCi/L	6.9E+00	1.38E+01	Proposed PDWS (EPA 1991)
Uranium-234	pCi/L	6.95E+00	1.39E+01	Proposed PDWS (EPA 1991)
Uranium-235	pCi/L	7.25E+00	1.45E+01	Proposed PDWS (EPA 1991)
Uranium-238	pCi/L	7.3E+00	1.46E+01	Proposed PDWS (EPA 1991)
Vanadium	µg/L	40	80	EPA Method 6010
Vanadium, dissolved	µg/L	40	80	EPA Method 6010
Vanadium, total recoverable	µg/L	40	80	EPA Method 6010
Vinyl acetate	µg/L	5	10	EPA Method 8240
Xylenes	µg/L	5,000	10,000	Final PDWS (EPA 1993a)
Yttrium-88	pCi/L	5E+01	1E+02	EPA Method 901.1
Zinc	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc, dissolved	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc, total recoverable	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc-65	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA 1977)
Zirconium-95 <sup>c</sup>	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA 1977)
Zirconium/Niobium-95 <sup>c</sup>	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA 1977)

<sup>a</sup> References for dated sources are at the end of this appendix.

<sup>b</sup> EMS is currently unable to perform this analysis.

<sup>c</sup> EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS Groundwater Monitoring Program.

<sup>d</sup> EPD/EMS set this flagging criterion using the 1991 proposed PDWS because the final PDWS in 1977 may have been in error.

<sup>e</sup> For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

<sup>f</sup> The applied standard is for radium-226.

<sup>g</sup> The primary maximum contaminant level range for turbidity is 1-5 NTU, which is inappropriate for the SRS Groundwater Monitoring Program.

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**APPENDIX B**  
**Groundwater Monitoring Results Tables**

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**Table B-1. Groundwater Monitoring Results for Individual Primary Wells**

WELL: P 26A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 72010.4	33.214 Deg N	32.0 - 22.0 ft msl	154.5 ft msl	154.0 ft msl	4" PVC	S	Semiconfined
E 18055.9	81.759 Deg W						

<u>SAMPLE DATE</u>	03/02/98	05/12/98	08/05/98	12/01/98
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**FIELD DATA**

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	32.43	32	35.3	36.98	ft BTOS
pH	6.5	5.4	5.5	4.9	
Sp. Conductance	37	34	38	36	uS/cm
Water temperature	20.1	16	20.1	18.9	deg. C
Alkalinity as CaCO3	5	2	4	4	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.4	1.6	.4	.6	NTU
Volumes purged	2.14336	2.28659	2.04934	2.31017	gallons
Sampling codes					

**ANALYTICAL DATA**

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Boron, total recoverable							8.93	J I	ug/L
Carbon tetrachloride	<.405	U	<.405	U	<5	U	<1	U	ug/L
Chloroform	<.428	U	<.428	U	<5	U	<1	U	ug/L
Gross alpha	.53	UI	2.96		.641	UI	<.49	U	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							16.5		ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.5	U	ug/L
Nitrate as nitrogen	<100	U	<60	U V	<100	U	<100	JU Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	<1	U	ug/L
Trichloroethylene	<.39	U	<.39	U	<5	U	<1	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TBG 1

SRS Coord.	Lat/Longitude	Screen Zone	Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71429.5	33.212 Deg N	109.1 - 89.1	ft msl	151.4 ft msl	151.2 ft msl	4" STL	S	Unconfined
E 17134.7	81.760 Deg W							

SAMPLE DATE	03/02/98	05/13/98	08/06/98	12/04/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	49.26	49	52.35	53.91	ft BTOS
pH	4.3	4.2	4	4.2	
Sp. Conductance	160	140	150	140	uS/cm
Water temperature	21.9	17	27.8	22.3	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.4	1.2	1.3	.6	NTU
Volumes purged	3.68038	6.28375	0	3.90869	gallons
Sampling codes			NX		

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							29.8	J I	ug/L
Carbon tetrachloride	15		19.8		34.3		26	J L	ug/L
Chloroform	<.428	U	<.428	U	<5	U	.644	J I	ug/L
Gross alpha	8.34		31.68		30.82	V	22.14		pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							99.8		ug/L
Mercury, total recoverable	<.2	U	.17	J E	<.5	U	<.5	U	ug/L
Nitrate as nitrogen	11650		13290		12200		13600	J Q	ug/L
Tetrachloroethylene	<.569	U	.962		1.66	J E	4.27		ug/L
Trichloroethylene	3.6		6.59		8.16		14.2		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TBG 3

SRS Coord.	Lat/Longitude	Screen Zone	Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71324.1	33.212 Deg N	108.9 - 88.9	ft msl	151.4 ft msl	151.2 ft msl	4" STL	S	Unconfined
E 17177.7	81.760 Deg W							

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	46.35	44.7	47.85	50.1	ft BTOS
pH	4	4.4	4.4	4.1	
Sp. Conductance	200	140	140	170	uS/cm
Water temperature	18	17	25.3	24.1	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	2.7	1.7	1.4	.7	NTU
Volumes purged	3.91850	7.36211	4.21977	2.12415	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							30.3	J I	ug/L
Carbon tetrachloride	222		336		408		150	J L	ug/L
Chloroform	12.1		20.5		25.3	J E	16.6		ug/L
Gross alpha	14.5		35.8		26.42		23.58		pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							314		ug/L
Mercury, total recoverable	.5		.34		<.5	U	.871*		ug/L
Nitrate as nitrogen	18270	J QV	14190	J QV	15400		18300	J Q	ug/L
Tetrachloroethylene	<5.69	U	8.05		12.6	J E	14		ug/L
Trichloroethylene	394		1040		875		488		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71267.1	33.211 Deg N	109.3 - 89.3 ft msl	151.6 ft msl	151.3 ft msl	4" STL	V	Unconfined
E 17177.7	81.760 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	46.2	44.4	47		ft BTOS
pH	3.8	4.2	4.3		
Sp. Conductance	260	220	220		uS/cm
Water temperature	17	18	24.1		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Phenolphthalein Alkalinity	0	0	0		mg/L
Turbidity	3.4	1.5	1.7		NTU
Volumes purged	2.31553	2.42517	3.35366		gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Carbon tetrachloride	206		216		334				ug/L
Chloroform	<4.28	U	8.95		10.5	J E			ug/L
Gross alpha	19.8		39.85		43.3				pCi/L
Lead, total recoverable	8.1		4.7	J E	<10	U			ug/L
Mercury, total recoverable	2.66		1.63		1.93				ug/L
Nitrate as nitrogen	29530	J QV	24270	J QV	29000				ug/L
Tetrachloroethylene	27.2		21.6		23.5	J E			ug/L
Trichloroethylene	363		588		687				ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71226.5	33.212 Deg N	112.4 - 92.4 ft msl	149.6 ft msl	149.4 ft msl	4" STL	B	Unconfined
E 17354.5	81.759 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	44.15	41.8	45.1	47.8	ft BTOS
pH	5	5	5.1	4.8	
Sp. Conductance	76	60	64	61	uS/cm
Water temperature	17	17	26.4	23.4	deg. C
Alkalinity as CaCO3	3	1	1	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	4.1	1.8	1.1	2.1	NTU
Volumes purged	1.42356	2.70780	2.43390	4.30806	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							15.3	J I	ug/L
Carbon tetrachloride	<40.5	U	<.405	U	<50	U	<1	JU L	ug/L
Chloroform	<42.8	U	<.428	U	<50	U	.627	J I	ug/L
Gross alpha	-.09	UI	2.44		1.51		2.63	J I	pCi/L
Lead, total recoverable	3.3	J E	<5	U	<10	U	<5.66	JU I	ug/L
Manganese, total recoverable							8.86	J I	ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.5	U	ug/L
Nitrate as nitrogen	5010	J QV	3510	J QV	3520		3090	J Q	ug/L
Tetrachloroethylene	106		<.569	U	<50	U	<1	U	ug/L
Trichloroethylene	1710		1510		844		232		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TBG 5A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71206.8	33.212 Deg N	80.0 - 70.0 ft msl	150.2 ft msl	150.0 ft msl	4" STL	S	Unconfined
E 17348.8	81.759 Deg W						

<u>SAMPLE DATE</u>	03/02/98	05/13/98	08/05/98	12/04/98
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## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	44.83	43.45	46.7	48.9	ft BTOS
pH	5.5	5.2	5.4	4.9	
Sp. Conductance	29	28	28	29	uS/cm
Water temperature	22	17	22	22	deg. C
Alkalinity as CaCO3	4	3	5	2	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.3	2.5	.8	.9	NTU
Volumes purged	2.55727	4.04558	5.72219	3.48012	gallons
Sampling codes					

## ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Boron, total recoverable							<266	U	ug/L
Carbon tetrachloride	<.405	UJ O	<.405	U	<.5	U	<.1	JU Q	ug/L
Chloroform	<.428	UJ O	<.428	U	<.5	U	<.1	JU Q	ug/L
Gross alpha	-.41	UI	1.22		.98	UI	1.74	J I	pCi/L
Lead, total recoverable	<.5	U	<.5	U	<.10	U	<.47	U	ug/L
Manganese, total recoverable							3	J I	ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.7	U	ug/L
Nitrate as nitrogen	650		750		590		722	J Q	ug/L
Tetrachloroethylene	<.569	UJ O	<.569	U	<.5	U	<.1	JU Q	ug/L
Trichloroethylene	<.39	UJ O	<.39	U	<.5	U	<.1	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71216.8	33.212 Deg N	56.2 - 46.2 ft msl	149.6 ft msl	149.4 ft msl	4" STL	S	Semiconfined
E 17354.8	81.759 Deg W						

SAMPLE DATE	03/03/98	05/15/98	08/05/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	32.58	32.5	38.2	37.55	ft BTOS
pH	6.4	4.9	5	4.6	
Sp. Conductance	32	35	32	32	uS/cm
Water temperature	20.8	18.9	22.9	22	deg. C
Alkalinity as CaCO3	4	0	3	1	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.8	2.5	1.3	2.2	NTU
Volumes purged	2.50395	2.75986	3.37711	2.64708	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							13.5	J I	ug/L
Carbon tetrachloride	<1	U	<1	U	<5	U	<1	JU L	ug/L
Chloroform	<1	U	<1	U	<5	U	<1	U	ug/L
Gross alpha	1.82		<1.15	U V	.16	UI	<.73	U	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							16.6		ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.5	U	ug/L
Nitrate as nitrogen	<100	U	<100	UJ Q	<200	U	114	J Q	ug/L
Tetrachloroethylene	<1	U	<1	U	<5	U	<1	U	ug/L
Trichloroethylene	<1	U	<1	U	<5	U	<1	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 6

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71482.3	33.212 Deg N	109.1 - 89.1 ft msl	148.3 ft msl	148.1 ft msl	4" STL	S	Unconfined
E 17290.5	81.760 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	43.45	42	44.75	46.96	ft BTOS
pH	4.2	4.8	4.7	4.4	
Sp. Conductance	180	120	100	110	uS/cm
Water temperature	16	17	23.6	21.3	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	5	4.2	5.3	4.1	NTU
Volumes purged	2.35276	3.13845	3.74412	.253221	gallons
Sampling codes				NX	

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							20.7	J I	ug/L
Carbon tetrachloride	19.7	O	7.07		<50	U	<50	U L	ug/L
Chloroform	<4.28	UJ O	.899		<50	U	1.18		ug/L
Gross alpha	3.36		20.49		10.31		9.38		pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							102		ug/L
Mercury, total recoverable	.63		.56		.275	J E	.435	J I	ug/L
Nitrate as nitrogen	17740	J QV	11590	J QV	13400		10700	J Q	ug/L
Tetrachloroethylene	<5.69	UJ O	<.569	U	<50	U	<1	U	ug/L
Trichloroethylene	428	O	800		465		252		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71613.5	33.211 Deg N	99.6 - 79.6 ft msl	156.7 ft msl	156.5 ft msl	4" STL	S	Unconfined
E 16699.6	81.762 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/05/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	59.69	55.99	58.5	59.7	ft BTOS
pH	5.8	4.5	5.2	5.1	
Sp. Conductance	41	41	42	41	uS/cm
Water temperature	19.4	22.1	20.6	18.2	deg. C
Alkalinity as CaCO3	4	5	5	5	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.6	.5	1	1	NTU
Volumes purged	3.54303	3.93673	5.55077	4.87450	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							10.9	J I	ug/L
Carbon tetrachloride	<.405	U	<.405	U	<5	U	<1	U	ug/L
Chloroform	<.428	U	<.428	U	<5	U	<1	U	ug/L
Gross alpha	.08	UI	1.27		-.07	UI	<.75	U	pCi/L
Lead, total recoverable	<5	U	3.4	J E	<10	U	<10	U	ug/L
Manganese, total recoverable							35.4		ug/L
Mercury, total recoverable	.17	J E	.26		.239	J E	<.5	U	ug/L
Nitrate as nitrogen	<100	U	90	J E	<100	U	20.6	J IQ	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	<1	U	ug/L
Trichloroethylene	<.39	U	<.39	U	<5	U	<1	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71452.0	33.211 Deg N	102.8 - 82.8 ft msl	155.3 ft msl	155.1 ft msl	4" STL	S	Unconfined
E 16788.2	81.761 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/05/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	54.93	54.97	57.6	58.97	ft BTOS
pH	6	5.7	5.6	5.6	
Sp. Conductance	49	41	50	48	uS/cm
Water temperature	20.3	22.9	21.8	21.8	deg. C
Alkalinity as CaCO3	6	4	6	5	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	3.4	1.9	1.9	.7	NTU
Volumes purged	4.56352	4.39813	4.77020	3.65945	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							17.1	J I	ug/L
Carbon tetrachloride	<.405	U	<.405	U	<5	U	<1	U	ug/L
Chloroform	.882		.642		<5	U	<1	U	ug/L
Gross alpha	-.02	UI	3.14		1.41		2.43	J I	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							13.6		ug/L
Mercury, total recoverable	<.2	U	.31		.375	J E	<.5	U	ug/L
Nitrate as nitrogen	1250		1030		456		261	J Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	<1	U	ug/L
Trichloroethylene	<.39	U	<.39	U	<5	U	<1	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71236.7	33.211 Deg N	104.9 - 84.9 ft msl	154.5 ft msl	154.3 ft msl	4" STL	S	Unconfined
E 17043.1	81.760 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	53.95	53.2	56.45	58.02	ft BTOS
pH				4.9	
Sp. Conductance				110	uS/cm
Water temperature				23.4	deg. C
Alkalinity as CaCO3				4	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				4.2	NTU
Volumes purged	.690662	.752785	.706281	.133953	gallons
Sampling codes		LNS	LNS	NX	

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							94.5	J I	ug/L
Carbon tetrachloride	28.4		31.8		29.1		51.1	J L	ug/L
Chloroform	1.86		2.24		1.35	J E	9.39		ug/L
Gross alpha	-2.22	UI	19.31		12.74		5.88		pCi/L
Lead, total recoverable	12.6		3.6	J E	<10	U	<10	U	ug/L
Manganese, total recoverable							56.3		ug/L
Mercury, total recoverable	3.24		1.23		.399	J E	.333	J I	ug/L
Nitrate as nitrogen	34090	J QV	19830		8630		9000	J Q	ug/L
Tetrachloroethylene	22		12.8		<25	U	11.1		ug/L
Trichloroethylene	176		230		303	L	442		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71002.7	33.211 Deg N	105.5 - 85.5 ft msl	150.0 ft msl	149.8 ft msl	4" STL	S	Unconfined
E 17223.0	81.759 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/06/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	45.02	42.9	45.88	48.57	ft BTOS
pH	4.9		4.9	5.2	
Sp. Conductance	67		45	55	uS/cm
Water temperature	19.8		21.4	21.9	deg. C
Alkalinity as CaCO3	1		0	0	mg/L
Phenolphthalein Alkalinity	0		0	0	mg/L
Turbidity	1.8		3.8	12.8	NTU
Volumes purged	3.08357	.783565	2.64823	.387639	gallons
Sampling codes		LNS		NX	

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							18.9	J I	ug/L
Carbon tetrachloride	5.5		1.5		<5	U	2		ug/L
Chloroform	<.428	U	<.428	U	<5	U	<1	U	ug/L
Gross alpha	.97	UI	4.55		4.8	V	8.52		pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							19.5		ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.5	U	ug/L
Nitrate as nitrogen	3860		2070		2100		3320	J Q	ug/L
Tetrachloroethylene	3.98		.858		<5	U	2.55		ug/L
Trichloroethylene	5.24		2.27		1.79	J E	3.97		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71738.1	33.212 Deg N	103.6 - 83.6 ft msl	151.1 ft msl	150.9 ft msl	4" STL	S	Unconfined
E 17080.6	81.761 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/05/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	48.13	48.5	51.14	52.57	ft BTOS
pH	7.3		5.4	5.4	
Sp. Conductance	25		32	50	uS/cm
Water temperature	19.7		20.6	20.2	deg. C
Alkalinity as CaCO3	10		3	6	mg/L
Phenolphthalein Alkalinity	0		0	0	mg/L
Turbidity	1.4		1.2	5.1	NTU
Volumes purged	2.86270	1.05410	2.45261	.310466	gallons
Sampling codes		LNS		NX	

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							22.3	J I	ug/L
Carbon tetrachloride	<.405	U	<.405	U	<5	U	<1	U	ug/L
Chloroform	<.428	U	<.428	U	<5	U	<1	U	ug/L
Gross alpha	-.4	UI	2.47		.05	UI	3.27	J I	pCi/L
Lead, total recoverable	<5	U	4.1	J E	<10	U	<4.4	JU I	ug/L
Manganese, total recoverable							7.91	J I	ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.5	U	ug/L
Nitrate as nitrogen	50	J E	<100	U	<100	U	641	J Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	<1	U	ug/L
Trichloroethylene	<.39	U	<.39	U	<5	U	<1	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 8D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 70591.9	33.208 Deg N	94.0 - 74.0 ft msl	100.5 ft msl	100.3 ft msl	4" STL	S	Unconfined
E 16168.3	81.761 Deg W						

<u>SAMPLE DATE</u>	03/02/98	05/12/98	08/04/98	12/01/98
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**FIELD DATA**

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	4.18	5.66	6.85	7.74	ft BTOS
pH	5.3	4.6	5	5.1	
Sp. Conductance	140	100	110	110	uS/cm
Water temperature	16	19	21.7	19.1	deg. C
Alkalinity as CaCO3	10	5	7	7	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	3.4	2	1.2	1.4	NTU
Volumes purged	3.37681	3.17581	5.17274	4.27092	gallons
Sampling codes					

**ANALYTICAL DATA**

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Boron, total recoverable							582		ug/L
Carbon tetrachloride	<.405	U	<.405	U	<5	U	<1	U	ug/L
Chloroform	<.428	U	.596		<5	U	<1	U	ug/L
Gross alpha	-2.35	UI	.68	UI	.58	UI	<.31	U	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							14.1		ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.5	U	ug/L
Nitrate as nitrogen	4470		5340	V	4920		3780	J Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	<1	U	ug/L
Trichloroethylene	7.12		8.53		7.18		7.1		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70791.4	33.209 Deg N	95.4 - 75.4 ft msl	101.9 ft msl	101.7 ft msl	4" STL	S	Unconfined
E 16145.8	81.762 Deg W						

SAMPLE DATE	03/03/98	05/12/98	08/04/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	5.72	6.25	8.75		ft BTOS
pH	5.9	5.8	5.2		
Sp. Conductance	90	96	170		uS/cm
Water temperature	16.8	19	20.5		deg. C
Alkalinity as CaCO <sub>3</sub>	10	11	3		mg/L
Phenolphthalein Alkalinity	0	0	0		mg/L
Turbidity	1.8	1.3	3		NTU
Volumes purged	6.59236	7.07074	2.69266		gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Carbon tetrachloride	<1	U	<.405	U	<5	U			ug/L
Chloroform	<1	U	<.428	U	<5	U			ug/L
Gross alpha	1.5		1.18		1.94				pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U			ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U			ug/L
Nitrate as nitrogen	<100	U	<240	U	811	V			ug/L
Tetrachloroethylene	<1	U	<.569	U	<5	U			ug/L
Trichloroethylene	<1	U	.399		<5	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70999.3	33.209 Deg N	97.0 - 77.0 ft msl	102.5 ft msl	102.3 ft msl	4" PVC	S	Unconfined
E 16166.7	81.762 Deg W						

SAMPLE DATE	03/05/98	05/12/98	08/05/98

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	6	6.75	9.56		ft BTOS
pH	5		5.2		
Sp. Conductance	140		140		uS/cm
Water temperature	13		20.6		deg. C
Alkalinity as CaCO3	14		2		mg/L
Phenolphthalein Alkalinity	0		0		mg/L
Turbidity	14.4		14.5		NTU
Volumes purged	3.94920		3.00229		gallons
Sampling codes		NPS			

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Carbon tetrachloride	<.405	U	<.405	U	<5	U			ug/L
Chloroform	<.428	U	<.428	U	<5	U			ug/L
Gross alpha	-.64	UI	1.23		2.24				pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U			ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U			ug/L
Nitrate as nitrogen	<230	UJ QV	900	V	6230				ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U			ug/L
Trichloroethylene	<.39	U	2.28		19.5				ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71199.3	33.210 Deg N	93.2 - 73.2 ft msl	100.3 ft msl	99.8 ft msl	4" PVC	S	Unconfined
E 16165.5	81.762 Deg W						

SAMPLE DATE	03/03/98	05/12/98	08/06/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	4.06	5.5	7.45		ft BTOS
pH	7.1	5	5		
Sp. Conductance	53	56	50		uS/cm
Water temperature	19.6	23	21.2		deg. C
Alkalinity as CaCO3	3	2	1		mg/L
Phenolphthalein Alkalinity	0	0	0		mg/L
Turbidity	2.4	2.9	10.2		NTU
Volumes purged	3.99020	3.25107	4.05973		gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Carbon tetrachloride	<.405	U	<.405	U	<5	U			ug/L
Chloroform	<.428	U	<.428	U	<5	U			ug/L
Gross alpha	-.69	UI	.94	UI	<1.82	U V			pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U			ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U			ug/L
Nitrate as nitrogen	<100	U	<b>23390</b>	V	<100	U			ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U			ug/L
Trichloroethylene	.998		1.54		2.22	J E			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 12D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71598.3	33.210 Deg N	93.1 - 73.1 ft msl	99.4 ft msl	99.2 ft msl	4" PVC	S	Unconfined
E 16176.3	81.763 Deg W						

SAMPLE DATE	03/02/98	05/12/98	08/06/98	12/01/98
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FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	2.7	3.93	5.34	5.71	ft BTOS
pH	7.2	6.3	6	5.7	
Sp. Conductance	59	55	58	57	uS/cm
Water temperature	18.5	19.6	20.2	20.2	deg. C
Alkalinity as CaCO3	15	16	14	12	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.4	.3	.4	.7	NTU
Volumes purged	2.93152	3.02540	2.42316	4.41094	gallons
Sampling codes					

ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Boron, total recoverable							15.7	J I	ug/L
Carbon tetrachloride	<.405	U	<.405	U	<5	U	<1	U	ug/L
Chloroform	<.428	U	<.428	U	<5	U	<1	U	ug/L
Gross alpha	-.75	UI	1.42		<1.75	U V	<.94	U	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							753		ug/L
Mercury, total recoverable	<.2	U	<.2	U	.614		<.5	U	ug/L
Nitrate as nitrogen	<100	U	<60	U V	<100	U	<100	JU Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	<1	U	ug/L
Trichloroethylene	<.39	U	<.39	U	<5	U	<1	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 27D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71180.1	33.210 Deg N	101.3 - 81.3 ft msl	110.6 ft msl	110.6 ft msl	2" PVC		Unconfined
E 16609.1	81.761 Deg W						

SAMPLE DATE	03/04/98	05/15/98	08/05/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	12.55	12.69	14.39	15.8	ft BTOS
pH	8.1	5.9	6	5.4	
Sp. Conductance	89	100	140	220	uS/cm
Water temperature	13.6	20.1	20.7	20.7	deg. C
Alkalinity as CaCO3	15	23	24	4	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.5	1.9	1.9	3.2	NTU
Volumes purged	4.71835	8.05200	3.66832	4.05004	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable					29.1	J	40.9	J I	ug/L
Carbon tetrachloride	<.405	U	<.405	U	<5	U	16	J L	ug/L
Chloroform	<.428	U	<.428	U	<5	U	1.59		ug/L
Gross alpha	-.65	UI	<.67	U V	.94		5.39		pCi/L
Lead, total recoverable	5.5		<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable					4.7	J	369		ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	.425	J I	ug/L
Nitrate as nitrogen	2550	V	2270	J QV	4100		21900	J Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	2.96		ug/L
Trichloroethylene	<.39	U	<.39	U	7.89		99.2		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71105.4	33.211 Deg N	53.6 - 43.6 ft msl	156.2 ft msl	156.0 ft msl	4" STL	S	Unconfined
E 16883.0	81.760 Deg W						

<b>SAMPLE DATE</b>	03/03/98	05/15/98	08/06/98	12/03/98
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FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	56.97	56.75	59.31	60.6	ft BTOS
pH	5.2	5.2	5.2	4.7	
Sp. Conductance	84	70	71	65	uS/cm
Water temperature	20.9	19.2	22.3	19.8	deg. C
Alkalinity as CaCO3	5	1	4	4	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.3	1.7	.5	.5	NTU
Volumes purged	2.39260	2.87621	2.95747	2.73684	gallons
Sampling codes					

ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Boron, total recoverable							687		ug/L
Carbon tetrachloride	<.405	U	<1	U	<5	U	<1	U	ug/L
Chloroform	<.428	U	<1	U	<5	U	<1	U	ug/L
Gross alpha	-.86	UI	<1.67	U V	<.91	U V	1.03	J I	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							7	J I	ug/L
Mercury, total recoverable	.05	J E	<.2	U	<.5	U	3.44		ug/L
Nitrate as nitrogen	2590	V	1810	J Q	1990		1590	J Q	ug/L
Tetrachloroethylene	<.569	U	<1	U	<5	U	<1	U	ug/L
Trichloroethylene	<.39	U	<1	U	<5	U	<1	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71105.0	33.211 Deg N	74.6 - 64.6 ft msl	156.2 ft msl	155.9 ft msl	4" STL	S	Semiconfined
E 16872.9	81.760 Deg W						

SAMPLE DATE	03/03/98	05/13/98	08/06/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	49.24	50.4	54.58	55.35	ft BTOS
pH	5.3	5.2	4.9	5.2	
Sp. Conductance	35	34	33	31	uS/cm
Water temperature	20.4	16	23.2	21.6	deg. C
Alkalinity as CaCO <sub>3</sub>	4	4	2	2	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	5.4	4.2	4.3	7.4	NTU
Volumes purged	2.71824	8.05057	4.69107	6.02124	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							<266	U	ug/L
Carbon tetrachloride	<.405	UJ O	<.405	UJ O	<5	U	<1	JU Q	ug/L
Chloroform	<.428	UJ O	<.428	UJ O	<5	U	<1	JU Q	ug/L
Gross alpha	-.21	UI	1.29		<1.53	U V	<1.49	U	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<47	U	ug/L
Manganese, total recoverable							17.8		ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.7	U	ug/L
Nitrate as nitrogen	<50	UJ EV	130		<100	U	11	J IQ	ug/L
Tetrachloroethylene	<.569	UJ O	<.569	UJ O	<5	U	<1	JU Q	ug/L
Trichloroethylene	<.39	UJ O	<.39	UJ O	<5	U	<1	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71104.8	33.211 Deg N	107.9 - 87.9 ft msl	156.2 ft msl	156.0 ft msl	4" STL	S	Unconfined
E 16893.5	81.760 Deg W						

SAMPLE DATE	03/05/98	05/13/98	08/06/98	12/03/98
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**FIELD DATA**

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	57	56.45	59.1	60.57	ft BTOS
pH	4.6	4.2	4.6	4.3	
Sp. Conductance	62	660	80	74	uS/cm
Water temperature	17	16	23.1	21.1	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.7	.9	.3	1	NTU
Volumes purged	9.61327	18.8422	7.96070	6.27571	gallons
Sampling codes					

**ANALYTICAL DATA**

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							82.4	J I	ug/L
Carbon tetrachloride	<405	U	5.77		<5	U	<1	U	ug/L
Chloroform	<428	U	1.58		<5	U	<1	U	ug/L
Gross alpha	.11	UI	36.75		3.48	V	<2.75	U	pCi/L
Lead, total recoverable	3.4	J E	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							21.4		ug/L
Mercury, total recoverable	.05	J E	5.74		.449	J E	<.5	U	ug/L
Nitrate as nitrogen	1310	J QV	83280	J Q	4570		3930	J Q	ug/L
Tetrachloroethylene	<569	U	1.13		<5	U	<1	U	ug/L
Trichloroethylene	12.4		282		19		21.6		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71086.0	33.210 Deg N	104.0 - 84.0 ft msl	155.0 ft msl	154.8 ft msl	4" STL	S	Unconfined
E 16823.1	81.761 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	55.8	55.15	58	59.44	ft BTOS
pH	5.6	6	5.8	4.8	
Sp. Conductance	160	145	120	120	uS/cm
Water temperature	17	18	24.6	20.2	deg. C
Alkalinity as CaCO3	16	23	12	9	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.7	1.4	.6	.7	NTU
Volumes purged	10.4675	4.48064	11.1947	3.62311	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							557		ug/L
Carbon tetrachloride	.834		1.37		<5	U	<1	JU L	ug/L
Chloroform	<.428	U	.768		<5	U	1.61		ug/L
Gross alpha	-.13	UI	3.97		2.79		2.27	J I	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							14		ug/L
Mercury, total recoverable	<.2	U	<.2	U	<.5	U	<.5	U	ug/L
Nitrate as nitrogen	4990	J QV	6110	J QV	3180		4560	J Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	<1	U	ug/L
Trichloroethylene	21.5		31.4		14.5		22.5		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 3A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70915.3	33.210 Deg N	103.2 - 87.4 ft msl	157.3 ft msl	157.0 ft msl	4" STL	S	Unconfined
E 16901.3	81.760 Deg W						

SAMPLE DATE	03/03/98	05/13/98	08/06/98	12/03/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	56.54	55.9	58.57	59.9	ft BTOS
pH	4.7	5	4.8	4.9	
Sp. Conductance	180	120	190	170	uS/cm
Water temperature	21.4	16	21.9	21.2	deg. C
Alkalinity as CaCO3	4	1	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.4	1.1	.7	.8	NTU
Volumes purged	3.73511	7.56632	2.62588	5.81468	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							787		ug/L
Carbon tetrachloride	<.405	U	<.405	U	<25	U	<1	U	ug/L
Chloroform	1.47		1.02		<25	U	.765	J I	ug/L
Gross alpha	4.46		6.93		16.06	V	7.72		pCi/L
Lead, total recoverable	12.3		4.5	J E	49.7		<7.11	JU I	ug/L
Manganese, total recoverable							39.6		ug/L
Mercury, total recoverable	.43		.74		<.5	U	.346	J I	ug/L
Nitrate as nitrogen	7460	V	7130		8730		<200	JU Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<25	U	<1	U	ug/L
Trichloroethylene	7.09		<.39	U	12.3	J E	63.1		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70997.9	33.210 Deg N	103.9 - 83.9 ft msl	155.2 ft msl	154.9 ft msl	4" STL	S	Unconfined
E 16826.2	81.760 Deg W						

SAMPLE DATE	03/03/98	05/12/98	08/05/98	12/03/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	55.67	55	57.72	59.19	ft BTOS
pH	5.4	5.4	5.2	5.2	
Sp. Conductance	160	220	140	130	uS/cm
Water temperature	21	18	22.3	21.1	deg. C
Alkalinity as CaCO3	10	4	6	11	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	2.7	.7	1.2	NTU
Volumes purged	3.28147	6.09756	9.52744	6.84104	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							811		ug/L
Carbon tetrachloride	<.405	U	.811		<5	U	<1	U	ug/L
Chloroform	1.32		1.11		1.91	J E	1.41		ug/L
Gross alpha	.02	UI	10.25		4.27		2.83	J I	pCi/L
Lead, total recoverable	<5	U	<5	U	<10	U	<10	U	ug/L
Manganese, total recoverable							4.28	J I	ug/L
Mercury, total recoverable	.15	J E	5.58		.773		<.5	U	ug/L
Nitrate as nitrogen	5140	V	<60	U V	7090		4340	J Q	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<5	U	<1	U	ug/L
Trichloroethylene	2.14		288		9.29		4.04		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 5A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70956.3	33.210 Deg N	108.9 - 108.9 ft msl	112.2 ft msl	112.0 ft msl	4" STL	S	Unconfined
E 16703.7	81.761 Deg W						

SAMPLE DATE	03/04/98	05/15/98	08/10/98	12/07/98
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#### FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	13.06	13.24	14.92	16.7	ft BTOS
pH	5.7	5.3	5.3	5.1	
Sp. Conductance	230	190	200	170	uS/cm
Water temperature	19.3	17.8	20.9	20.2	deg. C
Alkalinity as CaCO3	7	4	11	6	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	2.7	2	1.6	1.9	NTU
Volumes purged	-5.5098	-6.0134	-6.1904	-5.8286	gallons
Sampling codes					

#### ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Boron, total recoverable							<100	U	ug/L
Carbon tetrachloride	<.405	U	<.405	UJ O	<5	U	<1	JU L	ug/L
Chloroform	.96		<.428	UJ O	<5	U	.846	J I	ug/L
Gross alpha	2.11		3.94	V	2.88		4.27	J I	pCi/L
Lead, total recoverable	46		43.8		28.9		17.2		ug/L
Manganese, total recoverable							3.7	J I	ug/L
Mercury, total recoverable	2.6		1.43		1.95		1.06		ug/L
Nitrate as nitrogen	18970	V	11320	J QV	10700		8640	J Q	ug/L
Tetrachloroethylene	<.569	U	<.569	UJ O	<5	U	<1	U	ug/L
Trichloroethylene	34.5		5.13	J O	20.6		10.6		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



**Table B-2. Appendix IX Results for Primary Wells**

WELL: P 26A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 72010.4	33.214 Deg N	32.0 - 22.0 ft msl	154.5 ft msl	154.0 ft msl	4" PVC	S	Semiconfined
E 18055.9	81.759 Deg W						

SAMPLE DATE	03/02/98	05/12/98	08/05/98	12/01/98
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**FIELD DATA**

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	32.43	32	35.3	36.98	ft BTOS
pH	6.5	5.4	5.5	4.9	
Sp. Conductance	37	34	38	36	uS/cm
Water temperature	20.1	16	20.1	18.9	deg. C
Alkalinity as CaCO3	5	2	4	4	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.4	1.6	.4	.6	NTU
Volumes purged	2.14336	2.28659	2.04934	2.31017	gallons
Sampling codes					

**ANALYTICAL DATA**

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4,5-Tetrachlorobenzene					<10	UJ Q			ug/L
1,2,4-Trichlorobenzene					<10	UJ CQ	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<10	UJ Q			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene					<10	UJ Q	<10	U	ug/L
1,3-Dichlorobenzene					<10	UJ Q			ug/L
1,3-Dinitrobenzene					<10	UJ Q	<10	U	ug/L
1,4-Dichlorobenzene					<10	UJ CQ			ug/L
1,4-Dioxane					<10	UJ Q			ug/L
1,4-Naphthoquinone					<10	UJ Q	<10	U	ug/L
1-Naphthylamine					<10	UJ Q	<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	UJ Q	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol					<10	UJ Q	<10	U	ug/L
2,3,7,8-TCDD					<.0014	U			ug/L
2,4,5-T					<1	UJ IO			ug/L
2,4,5-TP (Silvex)					<1	UJ IO			ug/L
2,4,5-Trichlorophenol					<25	UJ Q	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: P 26A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4,6-Trichlorophenol					<10	UJ Q	<25	JU Q	ug/L
2,4-Dichlorophenol					<10	UJ Q	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<1.09	U			ug/L
2,4-Dimethyl phenol					<10	UJ Q	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	UJ Q	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	UJ Q	<10	JU Q	ug/L
2,6-Dichlorophenol					<10	UJ Q	<10	U	ug/L
2,6-Dinitrotoluene					<10	UJ Q	<10	JU Q	ug/L
2-Acetylaminofluorene					<10	UJ Q	<10	U	ug/L
2-Chloronaphthalene					<10	UJ Q	<10	JU Q	ug/L
2-Chlorophenol					<10	UJ Q	<10	JU Q	ug/L
2-Hexanone					<10	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	UJ Q	<25	JU Q	ug/L
2-Methylnaphthalene					<10	UJ Q	<10	JU Q	ug/L
2-Naphthylamine					<10	UJ Q	<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline					<10	UJ Q	<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol					<50	UJ Q	<10	U	ug/L
3,3"-Dichlorobenzidine					<10	UJ Q	<10	JU Q	ug/L
3,3"-Dimethylbenzidine					<10	UJ Q	<20	U	ug/L
3-Methylcholanthrene					<10	UJ Q	<10	U	ug/L
4-Aminobiphenyl					<10	UJ Q	<10	U	ug/L
4-Bromophenyl phenyl ether					<10	UJ Q	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	UJ Q	<10	JU Q	ug/L
4-Chloroaniline					<10	UJ Q	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	UJ Q	<10	JU Q	ug/L
4-Nitrophenol					<25	UJ Q	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide					<20	UJ Q	<50	U	ug/L
5-Nitro-o-toluidine					<10	UJ Q	<10	U	ug/L
7,12-Dimethylbenz(a)anthracene					<10	UJ Q	<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	UJ Q	<10	JU Q	ug/L
Acetone					<10	U			ug/L
Acetonitrile (Methyl cyanide)					<20	U			ug/L
Acetophenone					<10	UJ Q	<10	U	ug/L
Acrolein					<20	U			ug/L
Acrylonitrile					<5	U			ug/L
Aldrin					<.026	UJ C			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			<20	U	<146	U	<200	U	ug/L
Aniline					<10	UJ Q	<25	JU Q	ug/L
Anthracene					<10	UJ Q	<10	JU Q	ug/L
Antimony, total recoverable					<27	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: P 26A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Aramite					<20	UJ Q	<10	U	ug/L
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					26.6	V	24.5		ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	UJ Q	<10	JU Q	ug/L
Benzo(a)pyrene					<10	UJ Q	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	UJ Q	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	UJ Q	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	UJ Q	<10	JU Q	ug/L
Benzoic acid					<25	UJ Q			ug/L
Benzyl alcohol					<10	UJ Q	<10	JU Q	ug/L
Beryllium, total recoverable					1.1	J E			ug/L
Bis(2-chloroethoxy) methane					<10	UJ Q	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	UJ Q	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<4.12	UJ QV	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<10	U			ug/L
Butylbenzyl phthalate					<10	UJ Q	<10	JU Q	ug/L
Cadmium, total recoverable					<4.7	U			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlordane					<.521	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate					<10	UJ Q	<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<10	U			ug/L
Chloroprene					<5	U			ug/L
Chromium, total recoverable					1.3	J EV			ug/L
Chrysene					<10	UJ Q	<10	JU Q	ug/L
Cobalt, total recoverable					<4.5	U			ug/L
Copper, total recoverable					<15	U			ug/L
Cyanide					<50	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	UJ Q	<10	JU Q	ug/L
Diallate					<10	UJ Q	<10	U	ug/L
Dibenz(a,h)anthracene					<10	UJ Q	<10	JU Q	ug/L
Dibenzofuran					<10	UJ Q	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<10	U			ug/L
Dichloromethane (Methylene chloride)					<4.86	U V			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: P 26A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dieldrin					<.052	U			ug/L
Diethyl phthalate					<10	UJ Q	<10	JU Q	ug/L
Dimethoate					<1.06	U	<10	U	ug/L
Dimethyl phthalate					<10	UJ Q	<10	JU Q	ug/L
Diphenylamine					<10	UJ Q	<10	U	ug/L
Disulfoton					<1.06	U	<10	U	ug/L
Endosulfan I					<.026	U			ug/L
Endosulfan II					<.052	U			ug/L
Endosulfan sulfate					<.052	U			ug/L
Endrin					<.052	U			ug/L
Endrin aldehyde					<.052	U			ug/L
Ethyl methacrylate					<10	UJ Q			ug/L
Ethyl methanesulfonate					<10	UJ Q	<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Famphur					<2.74	U			ug/L
Fluoranthene					<10	UJ Q	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.026	U			ug/L
Heptachlor epoxide					<.026	U			ug/L
Hexachlorobenzene					<10	UJ Q	<10	JU Q	ug/L
Hexachlorobutadiene					<10	UJ Q	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	UJ Q	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.0013	U			ug/L
Hexachlorodibenzo-p-furans					<.0009	U			ug/L
Hexachloroethane					<10	UJ Q	<10	JU Q	ug/L
Hexachlorophene					<100	UJ Q			ug/L
Hexachloropropene					<10	UJ Q			ug/L
Indeno(1,2,3-c,d)pyrene					<10	UJ Q	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			937		1270		847		ug/L
Isobutyl alcohol					<100	U			ug/L
Isodrin					<.052	U	<10	U	ug/L
Isophorone					<10	UJ Q	<10	JU Q	ug/L
Isosafrole					<10	UJ Q	<10	U	ug/L
Kepone					<.309	U	<10	U	ug/L
Lindane					<.026	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene					<10	UJ Q	<10	U	ug/L
Methoxychlor					<.26	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<10	UJ Q			ug/L
Methyl methanesulfonate					<10	UJ Q	<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: P 26A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosodi-n-butylamine	<10	UJ Q			<10	UJ Q	<10	U	ug/L
N-Nitrosodiethylamine	<10	UJ Q			<10	UJ Q	<10	U	ug/L
N-Nitrosodimethylamine	<10	UJ Q			<10	UJ Q	<25	JU Q	ug/L
N-Nitrosodiphenylamine	<10	UJ Q			<10	UJ Q	<10	JU Q	ug/L
N-Nitrosodipropylamine	<10	UJ Q			<10	UJ Q	<10	JU Q	ug/L
N-Nitrosomethylethylamine	<10	UJ Q			<10	UJ Q	<10	U	ug/L
N-Nitrosomorpholine	<10	UJ Q			<10	UJ Q	<10	U	ug/L
N-Nitrosopiperidine	<50	UJ Q			<10	UJ Q	<10	U	ug/L
N-Nitrosopyrrolidine	<10	UJ Q			<10	UJ Q	<10	U	ug/L
Naphthalene	<10	UJ Q			<10	UJ Q	<10	JU Q	ug/L
Nickel, total recoverable	<26	U							ug/L
Nitrobenzene	<25	U			<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate	<1.06	U			<10	U	<10	U	ug/L
PCB 1016	<.258	U							ug/L
PCB 1221	<.258	U							ug/L
PCB 1232	<.258	U							ug/L
PCB 1242	<.258	U							ug/L
PCB 1248	<.258	U							ug/L
PCB 1254	<.258	U							ug/L
PCB 1260	<.258	U							ug/L
Parathion							<10	U	ug/L
Parathion ethyl	<1.06	U							ug/L
Parathion methyl	<1.06	U			<10	U	<10	U	ug/L
Pentachlorobenzene	<10	UJ Q							ug/L
Pentachlorodibenzo-p-dioxins	<.00085	U							ug/L
Pentachlorodibenzo-p-furans	<.0012	U							ug/L
Pentachloroethane	<10	UJ Q							ug/L
Pentachloronitrobenzene	<50	UJ Q			<10	UJ Q	<10	U	ug/L
Pentachlorophenol	<25	UJ Q			<25	UJ Q	<25	JU Q	ug/L
Phenacetin	<10	UJ Q			<10	UJ Q	<10	U	ug/L
Phenanthrene	<10	UJ Q			<10	UJ Q	<10	JU Q	ug/L
Phenol	<10	UJ Q			<10	UJ Q	<10	JU Q	ug/L
Phorate	<2.11	U			<10	U	<10	U	ug/L
Pronamid	<10	UJ Q			<10	UJ Q	<10	U	ug/L
Propionitrile	<50	U							ug/L
Pyrene	<10	UJ Q			<10	UJ Q	<10	JU Q	ug/L
Pyridine	<10	UJ Q			<25	UJ Q	<25	JU Q	ug/L
Safrole	<10	UJ Q			<10	UJ Q	<10	U	ug/L
Selenium, total recoverable	<66	U							ug/L
Silver, total recoverable	<.66	U V							ug/L
Styrene	<5	U							ug/L
Sulfide	<10000	U							ug/L
Sulfotep	<2.11	U			<10	U	<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: P 26A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Tetrachlorodibenzo-p-dioxins					<.0014	U			ug/L
Tetrachlorodibenzo-p-furans					<.00056	U			ug/L
Thallium, total recoverable					<55	U			ug/L
Thionazin					<1.06	U	<10	U	ug/L
Tin, total recoverable					<70	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1.04	U			ug/L
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<6.9	U			ug/L
Vinyl acetate					<10	U			ug/L
Xylenes					<5	U			ug/L
Zinc, total recoverable					5.9	J E			ug/L
a,a-Dimethylphenethylamine					<10	UJ Q	<10	U	ug/L
alpha-Benzene hexachloride					<.026	U			ug/L
alpha-Chlordane					<.026	U			ug/L
beta-Benzene hexachloride					<.026	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.026	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Cresol (3-Methylphenol)					<10	UJ Q			ug/L
m-Nitroaniline					<25	UJ Q	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	UJ Q	<10	JU Q	ug/L
o-Nitroaniline					<25	UJ Q	<25	JU Q	ug/L
o-Toluidine					<10	UJ Q	<10	U	ug/L
p,p"-DDD					<.052	U			ug/L
p,p"-DDE					<.052	U			ug/L
p,p"-DDT					<.052	U			ug/L
p-Cresol (4-Methylphenol)					<10	UJ Q	<10	JU Q	ug/L
p-Dimethylaminoazobenzene					<10	UJ Q	<10	U	ug/L
p-Nitroaniline					<25	UJ Q	<10	JU Q	ug/L
p-Phenylenediamine					<10	UJ Q	<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 1

SRS Coord.	Lat/Longitude	Screen Zone	Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71429.5	33.212 Deg N	109.1 - 89.1	ft msl	151.4 ft msl	151.2 ft msl	4" STL	S	Unconfined
E 17134.7	81.760 Deg W							

SAMPLE DATE	03/02/98	05/13/98	08/06/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	49.26	49	52.35	53.91	ft BTOS
pH	4.3	4.2	4	4.2	
Sp. Conductance	160	140	150	140	uS/cm
Water temperature	21.9	17	27.8	22.3	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.4	1.2	1.3	.6	NTU
Volumes purged	3.68038	6.28375	0	3.90869	gallons
Sampling codes			NX		

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00037	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 1  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			284		214		255		ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TBG 1

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					143				ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene							<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzoic acid					<25	U			ug/L
Benzyl alcohol							<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<0	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					5.19	J E			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 1  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00076	U			ug/L
Hexachlorodibenzo-p-furans					<.00075	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			60.3		79.9	J E	9.7	J I	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					.02	J E			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 1

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00092	U			ug/L
Pentachlorodibenzo-p-furans					<.0008	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00037	U			ug/L
Tetrachlorodibenzo-p-furans					<.00038	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 1  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					12.5	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 3

SRS Coord.	Lat/Longitude	Screen Zone	Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71324.1	33.212 Deg N	108.9 - 88.9	ft msl	151.4 ft msl	151.2 ft msl	4" STL	S	Unconfined
E 17177.7	81.760 Deg W							

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	46.35	44.7	47.85	50.1	ft BTOS
pH	4	4.4	4.4	4.1	
Sp. Conductance	200	140	140	170	uS/cm
Water temperature	18	17	25.3	24.1	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	2.7	1.7	1.4	.7	NTU
Volumes purged	3.91850	7.36211	4.21977	2.12415	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<50	U			ug/L
1,1,1-Trichloroethane	<4.62	U	<.462	U	<50	U	<10	U	ug/L
1,1,2,2-Tetrachloroethane					<50	U			ug/L
1,1,2-Trichloroethane					<50	U			ug/L
1,1-Dichloroethane					<50	U			ug/L
1,1-Dichloroethylene					<50	U			ug/L
1,2,3-Trichloropropane					<50	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<50	U			ug/L
1,2-Dibromoethane					<50	U			ug/L
1,2-Dichlorobenzene					<50	U			ug/L
1,2-Dichloroethane					<50	U			ug/L
1,2-Dichloropropane					<50	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<50	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<50	U			ug/L
1,4-Dioxane					<10000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00048	U			ug/L
2,4,5-T					<.2	U			ug/L
2,4,5-TP (Silvex)					.55				ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 3  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	U			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<50	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<200	U			ug/L
Acetonitrile (Methyl cyanide)					<5000	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<500	U			ug/L
Acrylonitrile					<500	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<100	U			ug/L
Aluminum, total recoverable			211		186	J E	356		ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 3  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					105				ug/L
Benzene					<50	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					3.45	J E			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					4.65	J E	<10	JU Q	ug/L
Bromodichloromethane					<50	U			ug/L
Bromoform					<50	U			ug/L
Bromomethane (Methyl bromide)					<50	U			ug/L
Butylbenzyl phthalate					<10	U	<2.48	J IQ	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<20	U			ug/L
Carbon disulfide					<50	U			ug/L
Chlordane					<.2	U			ug/L
Chlorobenzene					<50	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<100	U			ug/L
Chloroethene (Vinyl chloride)					<50	U			ug/L
Chloromethane (Methyl chloride)					<50	U			ug/L
Chloroprene					<500	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					4.3	J E			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<50	U			ug/L
Dibromomethane (Methylene bromide)					<50	U			ug/L
Dichlorodifluoromethane					<50	U			ug/L
Dichloromethane (Methylene chloride)					57.4	J EV8			ug/L
Dieldrin					<.2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 3  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<50	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<50	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00071	U			ug/L
Hexachlorodibenzo-p-furans					<.00068	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<50	U			ug/L
Iron, total recoverable			36.9		21.5	J E	29.4	J I	ug/L
Isobutyl alcohol					<15000	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					.035	J E			ug/L
Methacrylonitrile					<5000	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<100	U			ug/L
Methyl isobutyl ketone					<50	U			ug/L
Methyl methacrylate					<500	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TBG 3  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00066	U			ug/L
Pentachlorodibenzo-p-furans					<.00056	U			ug/L
Pentachloroethane					<2000	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<5000	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					4.57	J E			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<50	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00048	U			ug/L
Tetrachlorodibenzo-p-furans					<.00044	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<50	U			ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 3  
ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Trichlorofluoromethane					<50	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<200	U			ug/L
Xylenes					<100	U			ug/L
Zinc, total recoverable					26.3				ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<1	U			ug/L
beta-Benzene hexachloride					<1	U			ug/L
cis-1,2-Dichloroethylene					<b>111</b>		<b>73.5</b>		ug/L
cis-1,3-Dichloropropene					<50	U			ug/L
delta-Benzene hexachloride					<1	U			ug/L
gamma-Chlordane					<1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<2	U			ug/L
p,p"-DDE					<2	U			ug/L
p,p"-DDT					<2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<50	U			ug/L
trans-1,3-Dichloropropene					<50	U			ug/L
trans-1,4-Dichloro-2-butene					<200	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71267.1	33.211 Deg N	109.3 - 89.3 ft msl	151.6 ft msl	151.3 ft msl	4" STL	V	Unconfined
E 17177.7	81.760 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	46.2	44.4	47		ft BTOS
pH	3.8	4.2	4.3		
Sp. Conductance	260	220	220		uS/cm
Water temperature	17	18	24.1		deg. C
Alkalinity as CaCO3	0	0	0		mg/L
Phenolphthalein Alkalinity	0	0	0		mg/L
Turbidity	3.4	1.5	1.7		NTU
Volumes purged	2.31553	2.42517	3.35366		gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<25	U			ug/L
1,1,1-Trichloroethane	<4.62	U	<.462	U	<25	U			ug/L
1,1,2,2-Tetrachloroethane					<25	U			ug/L
1,1,2-Trichloroethane					<25	U			ug/L
1,1-Dichloroethane					<25	U			ug/L
1,1-Dichloroethylene					<25	U			ug/L
1,2,3-Trichloropropane					<25	U			ug/L
1,2,4-Trichlorobenzene					<10	U			ug/L
1,2-Dibromo-3-chloropropane					<25	U			ug/L
1,2-Dibromoethane					<25	U			ug/L
1,2-Dichlorobenzene					<25	U			ug/L
1,2-Dichloroethane					<25	U			ug/L
1,2-Dichloropropane					<25	U			ug/L
1,3-Dichlorobenzene					<25	U			ug/L
1,4-Dichlorobenzene					<25	U			ug/L
1,4-Dioxane					<5000	U			ug/L
2,2-Oxybis(1-chloropropane)					<10	U			ug/L
2,3,7,8-TCDD					<.00078	U			ug/L
2,4,5-T					<.2	U			ug/L
2,4,5-TP (Silvex)					<.2	U			ug/L
2,4,5-Trichlorophenol					<10	U			ug/L
2,4,6-Trichlorophenol					<25	U			ug/L
2,4-Dichlorophenol					<10	U			ug/L
2,4-Dichlorophenoxyacetic acid					<.2	U			ug/L
2,4-Dimethyl phenol					<10	U			ug/L
2,4-Dinitrophenol					<25	U			ug/L
2,4-Dinitrotoluene					<10	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 4  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,6-Dinitrotoluene					<10	U			ug/L
2-Chloronaphthalene					<10	U			ug/L
2-Chlorophenol					<10	U			ug/L
2-Hexanone					<25	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U			ug/L
2-Methylnaphthalene					<10	U			ug/L
2-Nitrophenol					<10	U			ug/L
3,3"-Dichlorobenzidine					<10	U			ug/L
4-Bromophenyl phenyl ether					<10	U			ug/L
4-Chloro-m-cresol					<10	U			ug/L
4-Chloroaniline					<10	U			ug/L
4-Chlorophenyl phenyl ether					<10	U			ug/L
4-Nitrophenol					<25	U			ug/L
Acenaphthene					<10	U			ug/L
Acenaphthylene					<10	U			ug/L
Acetone					<100	U			ug/L
Acetonitrile (Methyl cyanide)					<2500	U			ug/L
Acrolein					<250	U			ug/L
Acrylonitrile					<250	U			ug/L
Aldrin					<1	U			ug/L
Allyl chloride					<50	U			ug/L
Aluminum, total recoverable			574		759				ug/L
Aniline					<25	U			ug/L
Anthracene					<10	U			ug/L
Antimony, total recoverable					<100	U			ug/L
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					186				ug/L
Benzene					<25	U			ug/L
Benzo(a)anthracene					<10	U			ug/L
Benzo(a)pyrene					<10	U			ug/L
Benzo(b)fluoranthene					<10	U			ug/L
Benzo(g,h,i)perylene					<10	U			ug/L
Benzo(k)fluoranthene					<10	U			ug/L
Benzyl alcohol					<10	U			ug/L
Beryllium, total recoverable					4.08	J E			ug/L
Bis(2-chloroethoxy) methane					<10	U			ug/L
Bis(2-chloroethyl) ether					<10	U			ug/L
Bis(2-ethylhexyl) phthalate					<10	U			ug/L
Bromodichloromethane					<25	U			ug/L
Bromoform					<25	U			ug/L
Bromomethane (Methyl bromide)					<25	U			ug/L
Butylbenzyl phthalate					<10	U			ug/L
Cadmium, total recoverable					<10	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 4  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Carbazole					<20	U			ug/L
Carbon disulfide					<25	U			ug/L
Chlordane					<.2	U			ug/L
Chlorobenzene					<25	U			ug/L
Chloroethane					<50	U			ug/L
Chloroethene (Vinyl chloride)					<25	U			ug/L
Chloromethane (Methyl chloride)					<25	U			ug/L
Chloroprene					<250	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U			ug/L
Cobalt, total recoverable					14.9	J E			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U			ug/L
Di-n-octyl phthalate					<10	U			ug/L
Dibenz(a,h)anthracene					<20	U			ug/L
Dibenzofuran					<10	U			ug/L
Dibromochloromethane					<25	U			ug/L
Dibromomethane (Methylene bromide)					<25	U			ug/L
Dichlorodifluoromethane					<25	U			ug/L
Dichloromethane (Methylene chloride)					<25.1	U V			ug/L
Dieldrin					<.2	U			ug/L
Diethyl phthalate					<10	U			ug/L
Dimethyl phthalate					<10	U			ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<25	U			ug/L
Ethylbenzene					<25	U			ug/L
Fluoranthene					<10	U			ug/L
Fluorene					<10	U			ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U			ug/L
Hexachlorobutadiene					<20	U			ug/L
Hexachlorocyclopentadiene					<10	U			ug/L
Hexachlorodibenzo-p-dioxins					<.0011	U			ug/L
Hexachlorodibenzo-p-furans					<.00072	U			ug/L
Hexachloroethane					<10	U			ug/L
Indeno(1,2,3-c,d)pyrene					<10	U			ug/L
Iodomethane (Methyl iodide)					<25	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 4  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Iron, total recoverable			125		51.4	J E			ug/L
Isobutyl alcohol					<7500	U			ug/L
Isophorone					<20	U			ug/L
Lindane					.019	J E			ug/L
Methacrylonitrile					<2500	U			ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<50	U			ug/L
Methyl isobutyl ketone					<25	U			ug/L
Methyl methacrylate					<250	U			ug/L
N-Nitrosodimethylamine					<20	U			ug/L
N-Nitrosodiphenylamine					<10	U			ug/L
N-Nitrosodipropylamine					<10	U			ug/L
Naphthalene					<20	U			ug/L
Nickel, total recoverable					14.8	J E			ug/L
Nitrobenzene					<10	U			ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Pentachlorodibenzo-p-dioxins					<.0012	U			ug/L
Pentachlorodibenzo-p-furans					<.00078	U			ug/L
Pentachloroethane					<1000	U			ug/L
Pentachlorophenol					<25	U			ug/L
Phenanthrene					<10	U			ug/L
Phenol					<10	U			ug/L
Propionitrile					<2500	U			ug/L
Pyrene					<10	U			ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<25	U			ug/L
Sulfide					<1000	U			ug/L
Tetrachlorodibenzo-p-dioxins					<.00078	U			ug/L
Tetrachlorodibenzo-p-furans					<.00037	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<25	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<25	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<100	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 4  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Xylenes					<50	U			ug/L
Zinc, total recoverable					39.5				ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<b>157</b>				ug/L
cis-1,3-Dichloropropene					<25	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U			ug/L
o-Cresol (2-Methylphenol)					<10	U			ug/L
o-Nitroaniline					<25	U			ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U			ug/L
p-Nitroaniline					<10	U			ug/L
trans-1,2-Dichloroethylene					<25	U			ug/L
trans-1,3-Dichloropropene					<25	U			ug/L
trans-1,4-Dichloro-2-butene					<100	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71226.5	33.212 Deg N	112.4 - 92.4 ft msl	149.6 ft msl	149.4 ft msl	4" STL	B	Unconfined
E 17354.5	81.759 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	44.15	41.8	45.1	47.8	ft BTOS
pH	5	5	5.1	4.8	
Sp. Conductance	76	60	64	61	uS/cm
Water temperature	17	17	26.4	23.4	deg. C
Alkalinity as CaCO3	3	1	1	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	4.1	1.8	1.1	2.1	NTU
Volumes purged	1.42356	2.70780	2.43390	4.30806	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<50	U			ug/L
1,1,1-Trichloroethane	<46.2	U	<.462	U	<50	U	<50	U	ug/L
1,1,2,2-Tetrachloroethane					<50	U			ug/L
1,1,2-Trichloroethane					<50	U			ug/L
1,1-Dichloroethane					<50	U			ug/L
1,1-Dichloroethylene					<50	U			ug/L
1,2,3-Trichloropropane					<50	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<50	U			ug/L
1,2-Dibromoethane					<50	U			ug/L
1,2-Dichlorobenzene					<50	U			ug/L
1,2-Dichloroethane					<50	U			ug/L
1,2-Dichloropropane					<50	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<50	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<50	U			ug/L
1,4-Dioxane					<10000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.0003	U			ug/L
2,4,5-T					<.2	U			ug/L
2,4,5-TP (Silvex)					<.2	U			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TBG 5  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	U			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<50	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<200	U			ug/L
Acetonitrile (Methyl cyanide)					<5000	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<500	U			ug/L
Acrylonitrile					<500	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<100	U			ug/L
Aluminum, total recoverable			73.2		<200	U	145	J I	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					7.85	J E			ug/L
Benzene					<50	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<50	U			ug/L
Bromoform					<50	U			ug/L
Bromomethane (Methyl bromide)					<50	U			ug/L
Butylbenzyl phthalate					<10	U	<55	J Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<20	U			ug/L
Carbon disulfide					<50	U			ug/L
Chlordane					<2	U			ug/L
Chlorobenzene					<50	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<100	U			ug/L
Chloroethene (Vinyl chloride)					<50	U			ug/L
Chloromethane (Methyl chloride)					<50	U			ug/L
Chloroprene					<500	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<50	U			ug/L
Dibromomethane (Methylene bromide)					<50	U			ug/L
Dichlorodifluoromethane					<50	U			ug/L
Dichloromethane (Methylene chloride)					<40.9	U V			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<50	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<50	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00097	U			ug/L
Hexachlorodibenzo-p-furans					<.0006	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<50	U			ug/L
Iron, total recoverable			64		8.85	J E	99.4	J I	ug/L
Isobutyl alcohol					<15000	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<5000	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<100	U			ug/L
Methyl isobutyl ketone					<50	U			ug/L
Methyl methacrylate					<500	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00094	U			ug/L
Pentachlorodibenzo-p-furans					<.0006	U			ug/L
Pentachloroethane					<2000	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<5000	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<50	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.0003	U			ug/L
Tetrachlorodibenzo-p-furans					<.00043	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<50	U			ug/L
Total organic halogens							747		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5  
ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<50	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<200	U			ug/L
Xylenes					<100	U			ug/L
Zinc, total recoverable					17.2	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<1	U			ug/L
beta-Benzene hexachloride					.102				ug/L
cis-1,2-Dichloroethylene					<50	U	<50	U	ug/L
cis-1,3-Dichloropropene					<50	U			ug/L
delta-Benzene hexachloride					<1	U			ug/L
gamma-Chlordane					<1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<2	U			ug/L
p,p"-DDE					<2	U			ug/L
p,p"-DDT					<2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<50	U			ug/L
trans-1,3-Dichloropropene					<50	U			ug/L
trans-1,4-Dichloro-2-butene					<200	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71206.8	33.212 Deg N	80.0 - 70.0 ft msl	150.2 ft msl	150.0 ft msl	4" STL	S	Unconfined
E 17348.8	81.759 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/05/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	44.83	43.45	46.7	48.9	ft BTOS
pH	5.5	5.2	5.4	4.9	
Sp. Conductance	29	28	28	29	uS/cm
Water temperature	22	17	22	22	deg. C
Alkalinity as CaCO3	4	3	5	2	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.3	2.5	.8	.9	NTU
Volumes purged	2.55727	4.04558	5.72219	3.48012	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	UJ O	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00036	U			ug/L
2,4,5-T					<2	UJ O			ug/L
2,4,5-TP (Silvex)					<2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			7.5	J E	<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5A  
ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					<10	U			ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<25	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<20	U	<10	JU Q	ug/L
Cadmium, total recoverable					3.11	J E			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					7.09	J E			ug/L
Copper, total recoverable					8.07	J E			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<20	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<10	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TBG 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<20	U	<10	JU Q	ug/L
Hexachlorobutadiene					<10	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00103	U			ug/L
Hexachlorodibenzo-p-furans					<.00055	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<20	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			43.2		23.8	J E	<22.1	U	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<10	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<10	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<20	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<20	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<10	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<25	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.0009	U			ug/L
Pentachlorodibenzo-p-furans					<.00057	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<10	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<25	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00036	U			ug/L
Tetrachlorodibenzo-p-furans					<.00047	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					10.6	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71216.8	33.212 Deg N	56.2 - 46.2 ft msl	149.6 ft msl	149.4 ft msl	4" STL	S	Semiconfined
E 17354.8	81.759 Deg W						

SAMPLE DATE	03/03/98	05/15/98	08/05/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	32.58	32.5	38.2	37.55	ft BTOS
pH	6.4	4.9	5	4.6	
Sp. Conductance	32	35	32	32	uS/cm
Water temperature	20.8	18.9	22.9	22	deg. C
Alkalinity as CaCO3	4	0	3	1	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.8	2.5	1.3	2.2	NTU
Volumes purged	2.50395	2.75986	3.37711	2.64708	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	UJ O	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00053	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5B  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			<100	U	<200	U	119	J I	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5B

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					16.2				ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<25	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<20	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<20	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<10	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5B  
ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<20	U	<10	JU Q	ug/L
Hexachlorobutadiene					<10	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00087	U			ug/L
Hexachlorodibenzo-p-furans					<.00079	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<20	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			683	6	687		994		ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<10	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<10	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<20	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<20	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 5B  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<10	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<25	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00082	U			ug/L
Pentachlorodibenzo-p-furans					<.00069	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<10	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<25	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00053	U			ug/L
Tetrachlorodibenzo-p-furans					<.00032	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TBG-5B  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					10.9	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene			<1	U	<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 6

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71482.3	33.212 Deg N	109.1 - 89.1 ft msl	148.3 ft msl	148.1 ft msl	4" STL	S	Unconfined
E 17290.5	81.760 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	43.45	42	44.75	46.96	ft BTOS
pH	4.2	4.8	4.7	4.4	
Sp. Conductance	180	120	100	110	uS/cm
Water temperature	16	17	23.6	21.3	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	5	4.2	5.3	4.1	NTU
Volumes purged	2.35276	3.13845	3.74412	.253221	gallons
Sampling codes				NX	

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<50	U			ug/L
1,1,1-Trichloroethane	<4.62	UJ O	<4.62	U	<50	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<50	U			ug/L
1,1,2-Trichloroethane					<50	U			ug/L
1,1-Dichloroethane					<50	U			ug/L
1,1-Dichloroethylene					<50	U			ug/L
1,2,3-Trichloropropane					<50	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<50	U			ug/L
1,2-Dibromoethane					<50	U			ug/L
1,2-Dichlorobenzene					<50	U			ug/L
1,2-Dichloroethane					<50	U			ug/L
1,2-Dichloropropane					<50	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<50	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<50	U			ug/L
1,4-Dioxane					<10000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00069	U			ug/L
2,4,5-T					<2	U			ug/L
2,4,5-TP (Silvex)					<2	U			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 6  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	U			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<50	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<200	U			ug/L
Acetonitrile (Methyl cyanide)					<5000	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<500	U			ug/L
Acrylonitrile					<500	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<100	U			ug/L
Aluminum, total recoverable			175		148	J E	224		ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 6  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					46.7				ug/L
Benzene					<50	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					2.72	J E			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<50	U			ug/L
Bromoform					<50	U			ug/L
Bromomethane (Methyl bromide)					<50	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<20	U			ug/L
Carbon disulfide					<50	U			ug/L
Chlordane					<2	U			ug/L
Chlorobenzene					<50	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<100	U			ug/L
Chloroethene (Vinyl chloride)					<50	U			ug/L
Chloromethane (Methyl chloride)					<50	U			ug/L
Chloroprene					<500	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<50	U			ug/L
Dibromomethane (Methylene bromide)					<50	U			ug/L
Dichlorodifluoromethane					<50	U			ug/L
Dichloromethane (Methylene chloride)					44.2	J EV8			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 6  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<50	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<50	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00083	U			ug/L
Hexachlorodibenzo-p-furans					<.00071	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<50	U			ug/L
Iron, total recoverable			110		41.6	J E	133	J I	ug/L
Isobutyl alcohol					<15000	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<5000	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<100	U			ug/L
Methyl isobutyl ketone					<50	U			ug/L
Methyl methacrylate					<500	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 6  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					9.69	J E			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00086	U			ug/L
Pentachlorodibenzo-p-furans					<.00056	U			ug/L
Pentachloroethane					<2000	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<5000	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<50	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00069	U			ug/L
Tetrachlorodibenzo-p-furans					<.00032	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<50	U			ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TBG 6  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Trichlorofluoromethane					<50	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<200	U			ug/L
Xylenes					<100	U			ug/L
Zinc, total recoverable					24.4				ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<50	U	<50	U	ug/L
cis-1,3-Dichloropropene					<50	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<50	U			ug/L
trans-1,3-Dichloropropene					<50	U			ug/L
trans-1,4-Dichloro-2-butene					<200	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71613.5	33.211 Deg N	99.6 - 79.6 ft msl	156.7 ft msl	156.5 ft msl	4" STL	S	Unconfined
E 16699.6	81.762 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/05/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	59.69	55.99	58.5	59.7	ft BTOS
pH	5.8	4.5	5.2	5.1	
Sp. Conductance	41	41	42	41	uS/cm
Water temperature	19.4	22.1	20.6	18.2	deg. C
Alkalinity as CaCO3	4	5	5	5	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.6	.5	1	1	NTU
Volumes purged	3.54303	3.93673	5.55077	4.87450	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00052	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			<20	U	<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					14.9				ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<25	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	2.31	J IQ	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<20	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<20	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<10	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.26	U V			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<20	U	<10	JU Q	ug/L
Hexachlorobutadiene					<10	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00078	U			ug/L
Hexachlorodibenzo-p-furans					<.001	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<20	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			720		61.3	J E	75.6	J I	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<10	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<10	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<20	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<20	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<10	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<25	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.0011	U			ug/L
Pentachlorodibenzo-p-furans					<.00076	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<10	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<25	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00052	U			ug/L
Tetrachlorodibenzo-p-furans					<.00045	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					<20	U			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene							<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71452.0	33.211 Deg N	102.8 - 82.8 ft msl	155.3 ft msl	155.1 ft msl	4" STL	S	Unconfined
E 16788.2	81.761 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/05/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	54.93	54.97	57.6	58.97	ft BTOS
pH	6	5.7	5.6	5.6	
Sp. Conductance	49	41	50	48	uS/cm
Water temperature	20.3	22.9	21.8	21.8	deg. C
Alkalinity as CaCO3	6	4	6	5	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	3.4	1.9	1.9	.7	NTU
Volumes purged	4.56352	4.39813	4.77020	3.65945	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00053	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 2D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			24.8		<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 2D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					26.7				ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<25	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<20	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<3.43	J IQ	ug/L
Di-n-octyl phthalate					<20	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<10	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.68	U V			ug/L
Dieldrin					.245				ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 2D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<20	U	<10	JU Q	ug/L
Hexachlorobutadiene					<10	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.0011	U			ug/L
Hexachlorodibenzo-p-furans					<.00074	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<20	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			38.3		65	J E	372		ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<10	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<10	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<20	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<20	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 2D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<10	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<25	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.0009	U			ug/L
Pentachlorodibenzo-p-furans					<.00042	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<10	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<25	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00053	U			ug/L
Tetrachlorodibenzo-p-furans					<.00052	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 2D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					8.08	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene							<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71236.7	33.211 Deg N	104.9 - 84.9 ft msl	154.5 ft msl	154.3 ft msl	4" STL	S	Unconfined
E 17043.1	81.760 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	53.95	53.2	56.45	58.02	ft BTOS
pH				4.9	
Sp. Conductance				110	uS/cm
Water temperature				23.4	deg. C
Alkalinity as CaCO3				4	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				4.2	NTU
Volumes purged	.690662	.752785	.706281	.133953	gallons
Sampling codes		LNS	LNS	NX	

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<25	U			ug/L
1,1,1-Trichloroethane	<.924	U	<.462	U	<25	U	<10	U	ug/L
1,1,2,2-Tetrachloroethane					<25	U			ug/L
1,1,2-Trichloroethane					<25	U			ug/L
1,1-Dichloroethane					<25	U			ug/L
1,1-Dichloroethylene					<25	U			ug/L
1,2,3-Trichloropropane					<25	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<25	U			ug/L
1,2-Dibromoethane					<25	U			ug/L
1,2-Dichlorobenzene					<25	U			ug/L
1,2-Dichloroethane					<25	U			ug/L
1,2-Dichloropropane					<25	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<25	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<25	U			ug/L
1,4-Dioxane					<5000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00051	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 3D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<25	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<100	U			ug/L
Acetonitrile (Methyl cyanide)					<2500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<250	U			ug/L
Acrylonitrile					<250	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<50	U			ug/L
Aluminum, total recoverable			755		296		717		ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 3D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					60.6				ug/L
Benzene					<25	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<25	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					4.05	J E	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	1.95	J IQ	ug/L
Bromodichloromethane					<25	U			ug/L
Bromoform					<25	U			ug/L
Bromomethane (Methyl bromide)					<25	U			ug/L
Butylbenzyl phthalate					<20	U	<10	JU Q	ug/L
Cadmium, total recoverable					3	J E			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<25	U			ug/L
Chlorobenzene					<25	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<50	U			ug/L
Chloroethene (Vinyl chloride)					<25	U			ug/L
Chloromethane (Methyl chloride)					<25	U			ug/L
Chloroprene					<250	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					8.69	J E			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<20	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<10	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<25	U			ug/L
Dibromomethane (Methylene bromide)					<25	U			ug/L
Dichlorodifluoromethane					<25	U			ug/L
Dichloromethane (Methylene chloride)					<50	U			ug/L
Dieldrin					<.2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 3D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<25	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<25	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<20	U	<10	JU Q	ug/L
Hexachlorobutadiene					<10	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00094	U			ug/L
Hexachlorodibenzo-p-furans					<.00062	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<20	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<25	U			ug/L
Iron, total recoverable			120		79.3	J E	443		ug/L
Isobutyl alcohol					<7500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<10	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<2500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<50	U			ug/L
Methyl isobutyl ketone					<25	U			ug/L
Methyl methacrylate					<250	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<10	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<20	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<20	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 3D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<10	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<25	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00087	U			ug/L
Pentachlorodibenzo-p-furans					<.00083	U			ug/L
Pentachloroethane					<1000	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<10	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<2500	U			ug/L
Pyrene					<25	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<25	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00051	U			ug/L
Tetrachlorodibenzo-p-furans					<.0005	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<25	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<25	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 3D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<100	U			ug/L
Xylenes					<50	U			ug/L
Zinc, total recoverable					22.8				ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					22.1	J E	192		ug/L
cis-1,3-Dichloropropene					<25	U			ug/L
delta-Benzene hexachloride					.051	J E			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<25	U			ug/L
trans-1,3-Dichloropropene					<25	U			ug/L
trans-1,4-Dichloro-2-butene					<100	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71002.7	33.211 Deg N	105.5 - 85.5 ft msl	150.0 ft msl	149.8 ft msl	4" STL	S	Unconfined
E 17223.0	81.759 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/06/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	45.02	42.9	45.88	48.57	ft BTOS
pH	4.9		4.9	5.2	
Sp. Conductance	67		45	55	uS/cm
Water temperature	19.8		21.4	21.9	deg. C
Alkalinity as CaCO3	1		0	0	mg/L
Phenolphthalein Alkalinity	0		0	0	mg/L
Turbidity	1.8		3.8	12.8	NTU
Volumes purged	3.08357	.783565	2.64823	.387639	gallons
Sampling codes		LNS		NX	

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00054	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 4D

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			137		<200	U	276		ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 4D

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					8.45	J E			ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene							<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzoic acid					5.84	J E			ug/L
Benzyl alcohol							<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	7.74	J IQ	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<0	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 4D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00066	U			ug/L
Hexachlorodibenzo-p-furans					<.00054	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			115		99.8	J E	424		ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 4D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00082	U			ug/L
Pentachlorodibenzo-p-furans					<.00063	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00054	U			ug/L
Tetrachlorodibenzo-p-furans					<.00036	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 4D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					44				ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71738.1	33.212 Deg N	103.6 - 83.6 ft msl	151.1 ft msl	150.9 ft msl	4" STL	S	Unconfined
E 17080.6	81.761 Deg W						

SAMPLE DATE	03/02/98	05/13/98	08/05/98	12/02/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	48.13	48.5	51.14	52.57	ft BTOS
pH	7.3		5.4	5.4	
Sp. Conductance	25		32	50	uS/cm
Water temperature	19.7		20.6	20.2	deg. C
Alkalinity as CaCO3	10		3	6	mg/L
Phenolphthalein Alkalinity	0		0	0	mg/L
Turbidity	1.4		1.2	5.1	NTU
Volumes purged	2.86270	1.05410	2.45261	.310466	gallons
Sampling codes		LNS		NX	

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00042	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 7D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			64.8		<200	U	110	J I	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 7D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					9.35	J E			ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<25	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<20	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<20	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<10	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.49	U V			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 7D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<1	U			ug/L
Endosulfan II					<2	U			ug/L
Endosulfan sulfate					<2	U			ug/L
Endrin					<2	U			ug/L
Endrin aldehyde					<2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<1	U			ug/L
Heptachlor epoxide					<1	U			ug/L
Hexachlorobenzene					<20	U	<10	JU Q	ug/L
Hexachlorobutadiene					<10	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00083	U			ug/L
Hexachlorodibenzo-p-furans					<.00071	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<20	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			136		150	J E	253		ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<10	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<10	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<20	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<20	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 7D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<10	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<25	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.0009	U			ug/L
Pentachlorodibenzo-p-furans					<.00065	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<10	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<25	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00042	U			ug/L
Tetrachlorodibenzo-p-furans					<.00027	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 7D

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					6.7	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene							<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 8D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70591.9	33.208 Deg N	94.0 - 74.0 ft msl	100.5 ft msl	100.3 ft msl	4" STL	S	Unconfined
E 16168.3	81.761 Deg W						

SAMPLE DATE	03/02/98	05/12/98	08/04/98	12/01/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	4.18	5.66	6.85	7.74	ft BTOS
pH	5.3	4.6	5	5.1	
Sp. Conductance	140	100	110	110	uS/cm
Water temperature	16	19	21.7	19.1	deg. C
Alkalinity as CaCO3	10	5	7	7	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	3.4	2	1.2	1.4	NTU
Volumes purged	3.37681	3.17581	5.17274	4.27092	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00059	U			ug/L
2,4,5-T					<.2	U			ug/L
2,4,5-TP (Silvex)					<.2	U			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 8D

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	U			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			29.6		<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 8D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					70.5		64.3		ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<20	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlordane					<2	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					3.36	J E			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.85	U V			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 8D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.0011	U			ug/L
Hexachlorodibenzo-p-furans					<.00075	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			370		130	J E	<53.6	U V	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 8D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-furans					<.00066	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00059	U			ug/L
Tetrachlorodibenzo-p-furans					<.00043	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Total organic halogens							<120	U	ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 8D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					4.25	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3 Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70791.4	33.209 Deg N	95.4 - 75.4 ft msl	101.9 ft msl	101.7 ft msl	4" STL	S	Unconfined
E 16145.8	81.762 Deg W						

SAMPLE DATE	03/03/98	05/12/98	08/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	5.72	6.25	8.75		ft BTOS
pH	5.9	5.8	5.2		
Sp. Conductance	90	96	170		uS/cm
Water temperature	16.8	19	20.5		deg. C
Alkalinity as CaCO3	10	11	3		mg/L
Phenolphthalein Alkalinity	0	0	0		mg/L
Turbidity	1.8	1.3	3		NTU
Volumes purged	6.59236	7.07074	2.69266		gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U			ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U			ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
2,2-Oxybis(1-chloropropane)					<10	U			ug/L
2,3,7,8-TCDD					<.00046	U			ug/L
2,4,5-T					<.2	U			ug/L
2,4,5-TP (Silvex)					<.2	U			ug/L
2,4,5-Trichlorophenol					<10	U			ug/L
2,4,6-Trichlorophenol					<25	U			ug/L
2,4-Dichlorophenol					<10	U			ug/L
2,4-Dichlorophenoxyacetic acid					<.2	U			ug/L
2,4-Dimethyl phenol					<10	U			ug/L
2,4-Dinitrophenol					<25	U			ug/L
2,4-Dinitrotoluene					<10	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 9D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,6-Dinitrotoluene					<10	U			ug/L
2-Chloronaphthalene					<10	U			ug/L
2-Chlorophenol					<10	U			ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U			ug/L
2-Methylnaphthalene					<10	U			ug/L
2-Nitrophenol					<10	U			ug/L
3,3'-Dichlorobenzidine					<10	U			ug/L
4-Bromophenyl phenyl ether					<10	U			ug/L
4-Chloro-m-cresol					<10	U			ug/L
4-Chloroaniline					<10	U			ug/L
4-Chlorophenyl phenyl ether					<10	U			ug/L
4-Nitrophenol					<25	U			ug/L
Acenaphthene					<10	U			ug/L
Acenaphthylene					<10	U			ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			79.6		74.3	J E			ug/L
Aniline					<25	U			ug/L
Anthracene					<10	U			ug/L
Antimony, total recoverable					<100	U			ug/L
Arsenic, total recoverable					4.83	J E			ug/L
Barium, total recoverable					60.7				ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U			ug/L
Benzo(a)pyrene					<10	U			ug/L
Benzo(b)fluoranthene					<10	U			ug/L
Benzo(g,h,i)perylene					<10	U			ug/L
Benzo(k)fluoranthene					<10	U			ug/L
Benzyl alcohol					<10	U			ug/L
Beryllium, total recoverable					2.61	J E			ug/L
Bis(2-chloroethoxy) methane					<10	U			ug/L
Bis(2-chloroethyl) ether					<10	U			ug/L
Bis(2-ethylhexyl) phthalate					<10	U			ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U			ug/L
Cadmium, total recoverable					3.42	J E			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 9D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Carbazole					<20	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlordane					<2	U			ug/L
Chlorobenzene					<5	U			ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U			ug/L
Cobalt, total recoverable					4.37	J E			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U			ug/L
Di-n-octyl phthalate					<10	U			ug/L
Dibenz(a,h)anthracene					<20	U			ug/L
Dibenzofuran					<10	U			ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.11	U V			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U			ug/L
Dimethyl phthalate					<10	U			ug/L
Endosulfan I					<1	U			ug/L
Endosulfan II					<2	U			ug/L
Endosulfan sulfate					<2	U			ug/L
Endrin					<2	U			ug/L
Endrin aldehyde					<2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U			ug/L
Fluorene					<10	U			ug/L
Heptachlor					<1	U			ug/L
Heptachlor epoxide					<1	U			ug/L
Hexachlorobenzene					<10	U			ug/L
Hexachlorobutadiene					<20	U			ug/L
Hexachlorocyclopentadiene					<10	U			ug/L
Hexachlorodibenzo-p-dioxins					<.0015	U			ug/L
Hexachlorodibenzo-p-furans					<.00087	U			ug/L
Hexachloroethane					<10	U			ug/L
Indeno(1,2,3-c,d)pyrene					<10	U			ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 9D

## ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Iron, total recoverable			<b>3400</b>		<b>2590</b>				ug/L
Isobutyl alcohol					<1500	U			ug/L
Isophorone					<20	U			ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
N-Nitrosodimethylamine					<20	U			ug/L
N-Nitrosodiphenylamine					<10	U			ug/L
N-Nitrosodipropylamine					<10	U			ug/L
Naphthalene					<20	U			ug/L
Nickel, total recoverable					7.97	J E			ug/L
Nitrobenzene					<10	U			ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Pentachlorodibenzo-p-dioxins					<.00081	U			ug/L
Pentachlorodibenzo-p-furans					<.00074	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachlorophenol					<25	U			ug/L
Phenanthrene					<10	U			ug/L
Phenol					<10	U			ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U			ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Tetrachlorodibenzo-p-dioxins					<.00046	U			ug/L
Tetrachlorodibenzo-p-furans					<.00038	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 9D  
ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Xylenes					<10	U			ug/L
Zinc, total recoverable					7.23	J E			ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U			ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U			ug/L
o-Cresol (2-Methylphenol)					<10	U			ug/L
o-Nitroaniline					<25	U			ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U			ug/L
p-Nitroaniline					<10	U			ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70999.3	33.209 Deg N	97.0 - 77.0 ft msl	102.5 ft msl	102.3 ft msl	4" PVC	S	Unconfined
E 16166.7	81.762 Deg W						

SAMPLE DATE	03/05/98	05/12/98	08/05/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	6	6.75	9.56		ft BTOS
pH	5		5.2		
Sp. Conductance	140		140		uS/cm
Water temperature	13		20.6		deg. C
Alkalinity as CaCO3	14		2		mg/L
Phenolphthalein Alkalinity	0		0		mg/L
Turbidity	14.4		14.5		NTU
Volumes purged	3.94920		3.00229		gallons
Sampling codes		NPS			

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U			ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U			ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
2,2-Oxybis(1-chloropropane)					<10	U			ug/L
2,3,7,8-TCDD					<.00057	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U			ug/L
2,4,6-Trichlorophenol					<25	U			ug/L
2,4-Dichlorophenol					<10	U			ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U			ug/L
2,4-Dinitrophenol					<25	U			ug/L
2,4-Dinitrotoluene					<10	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 10D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,6-Dinitrotoluene					<10	U			ug/L
2-Chloronaphthalene					<10	U			ug/L
2-Chlorophenol					<10	U			ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U			ug/L
2-Methylnaphthalene					<10	U			ug/L
2-Nitrophenol					<10	U			ug/L
3,3"-Dichlorobenzidine					<10	U			ug/L
4-Bromophenyl phenyl ether					<10	U			ug/L
4-Chloro-m-cresol					<10	U			ug/L
4-Chloroaniline					<10	U			ug/L
4-Chlorophenyl phenyl ether					<10	U			ug/L
4-Nitrophenol					<25	U			ug/L
Acenaphthene					<10	U			ug/L
Acenaphthylene					<10	U			ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			305		1340				ug/L
Aniline					<25	U			ug/L
Anthracene					<10	U			ug/L
Antimony, total recoverable					<100	U			ug/L
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					67.5				ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U			ug/L
Benzo(a)pyrene					<10	U			ug/L
Benzo(b)fluoranthene					<10	U			ug/L
Benzo(g,h,i)perylene					<10	U			ug/L
Benzo(k)fluoranthene					<25	U			ug/L
Benzyl alcohol					<10	U			ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U			ug/L
Bis(2-chloroethyl) ether					<10	U			ug/L
Bis(2-ethylhexyl) phthalate					<10	U			ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<20	U			ug/L
Cadmium, total recoverable					<10	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 10D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Carbazole					<10	U			ug/L
Carbon disulfide					9.37				ug/L
Chlorobenzene					<5	U			ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U			ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U			ug/L
Di-n-octyl phthalate					<20	U			ug/L
Dibenz(a,h)anthracene					<10	U			ug/L
Dibenzofuran					<10	U			ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.17	U	V		ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U			ug/L
Dimethyl phthalate					<10	U			ug/L
Endosulfan I					<1	U			ug/L
Endosulfan II					<2	U			ug/L
Endosulfan sulfate					<2	U			ug/L
Endrin					<2	U			ug/L
Endrin aldehyde					<2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U			ug/L
Fluorene					<10	U			ug/L
Heptachlor					<1	U			ug/L
Heptachlor epoxide					<1	U			ug/L
Hexachlorobenzene					<20	U			ug/L
Hexachlorobutadiene					<10	U			ug/L
Hexachlorocyclopentadiene					<10	U			ug/L
Hexachlorodibenzo-p-dioxins					<.0012	U			ug/L
Hexachlorodibenzo-p-furans					<.0007	U			ug/L
Hexachloroethane					<10	U			ug/L
Indeno(1,2,3-c,d)pyrene					<20	U			ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			455		1680				ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 10D

ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Isobutyl alcohol					<1500	U			ug/L
Isophorone					<10	U			ug/L
Lindane					<1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
N-Nitrosodimethylamine					<10	U			ug/L
N-Nitrosodiphenylamine					<20	U			ug/L
N-Nitrosodipropylamine					<20	U			ug/L
Naphthalene					<10	U			ug/L
Nickel, total recoverable					7.9	J	E		ug/L
Nitrobenzene					<25	U			ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Pentachlorodibenzo-p-dioxins					<.00095	U			ug/L
Pentachlorodibenzo-p-furans					<.00071	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachlorophenol					<10	U			ug/L
Phenanthrene					<10	U			ug/L
Phenol					<10	U			ug/L
Propionitrile					<500	U			ug/L
Pyrene					<25	U			ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Tetrachlorodibenzo-p-dioxins					<.00057	U			ug/L
Tetrachlorodibenzo-p-furans					<.00068	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 10D  
ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Zinc, total recoverable					21.4				ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U			ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U			ug/L
o-Cresol (2-Methylphenol)					<10	U			ug/L
o-Nitroaniline					<25	U			ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U			ug/L
p-Nitroaniline					<10	U			ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71199.3	33.210 Deg N	93.2 - 73.2 ft msl	100.3 ft msl	99.8 ft msl	4" PVC	S	Unconfined
E 16165.5	81.762 Deg W						

SAMPLE DATE	03/03/98	05/12/98	08/06/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	4.06	5.5	7.45		ft BTOS
pH	7.1	5	5		
Sp. Conductance	53	56	50		uS/cm
Water temperature	19.6	23	21.2		deg. C
Alkalinity as CaCO <sub>3</sub>	3	2	1		mg/L
Phenolphthalein Alkalinity	0	0	0		mg/L
Turbidity	2.4	2.9	10.2		NTU
Volumes purged	3.99020	3.25107	4.05973		gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U			ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U			ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
2,2-Oxybis(1-chloropropane)					<10	U			ug/L
2,3,7,8-TCDD					<.00029	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U			ug/L
2,4,6-Trichlorophenol					<25	U			ug/L
2,4-Dichlorophenol					<10	U			ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U			ug/L
2,4-Dinitrophenol					<25	U			ug/L
2,4-Dinitrotoluene					<10	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 11D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,6-Dinitrotoluene					<10	U			ug/L
2-Chloronaphthalene					<10	U			ug/L
2-Chlorophenol					<10	U			ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U			ug/L
2-Methylnaphthalene					<10	U			ug/L
2-Nitrophenol					<10	U			ug/L
3,3'-Dichlorobenzidine					<10	U			ug/L
4-Bromophenyl phenyl ether					<10	U			ug/L
4-Chloro-m-cresol					<10	U			ug/L
4-Chloroaniline					<10	U			ug/L
4-Chlorophenyl phenyl ether					<10	U			ug/L
4-Nitrophenol					<25	U			ug/L
Acenaphthene					<10	U			ug/L
Acenaphthylene					<10	U			ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			<20	U	<200	U			ug/L
Aniline					<25	U			ug/L
Anthracene					<10	U			ug/L
Antimony, total recoverable					<100	U			ug/L
Arsenic, total recoverable					14.9				ug/L
Barium, total recoverable					25.4				ug/L
Benzene					<5	U			ug/L
Benzo(a)pyrene					<10	U			ug/L
Benzo(b)fluoranthene					<10	U			ug/L
Benzo(g,h,i)perylene					<10	U			ug/L
Benzo(k)fluoranthene					<10	U			ug/L
Benzoic acid					<25	U			ug/L
Beryllium, total recoverable					2.83	J E			ug/L
Bis(2-chloroethoxy) methane					<10	U			ug/L
Bis(2-chloroethyl) ether					<10	U			ug/L
Bis(2-ethylhexyl) phthalate					<10	U			ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U			ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<0	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 11D

ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U			ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U			ug/L
Di-n-octyl phthalate					<10	U			ug/L
Dibenz(a,h)anthracene					<20	U			ug/L
Dibenzofuran					<10	U			ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<.2	U			ug/L
Diethyl phthalate					<10	U			ug/L
Dimethyl phthalate					<10	U			ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U			ug/L
Fluorene					<10	U			ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U			ug/L
Hexachlorobutadiene					<20	U			ug/L
Hexachlorocyclopentadiene					<10	U			ug/L
Hexachlorodibenzo-p-dioxins					<.00089	U			ug/L
Hexachlorodibenzo-p-furans					<.00042	U			ug/L
Hexachloroethane					<10	U			ug/L
Indeno(1,2,3-c,d)pyrene					<10	U			ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			1380		1100				ug/L
Isobutyl alcohol					<1500	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 11D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Isophorone					<20	U			ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
N-Nitrosodimethylamine					<20	U			ug/L
N-Nitrosodiphenylamine					<10	U			ug/L
N-Nitrosodipropylamine					<10	U			ug/L
Naphthalene					<20	U			ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U			ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Pentachlorodibenzo-p-dioxins					<.00063	U			ug/L
Pentachlorodibenzo-p-furans					<.00045	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachlorophenol					<25	U			ug/L
Phenanthrene					<10	U			ug/L
Phenol					<10	U			ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U			ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Tetrachlorodibenzo-p-dioxins					<.00029	U			ug/L
Tetrachlorodibenzo-p-furans					<.00039	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 11D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U			ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U			ug/L
o-Cresol (2-Methylphenol)					<10	U			ug/L
o-Nitroaniline					<25	U			ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U			ug/L
p-Nitroaniline					<10	U			ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71598.3	33.210 Deg N	93.1 - 73.1 ft msl	99.4 ft msl	99.2 ft msl	4" PVC	S	Unconfined
E 16176.3	81.763 Deg W						

SAMPLE DATE	03/02/98	05/12/98	08/06/98	12/01/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	2.7	3.93	5.34	5.71	ft BTOS
pH	7.2	6.3	6	5.7	
Sp. Conductance	59	55	58	57	uS/cm
Water temperature	18.5	19.6	20.2	20.2	deg. C
Alkalinity as CaCO3	15	16	14	12	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.4	.3	.4	.7	NTU
Volumes purged	2.93152	3.02540	2.42316	4.41094	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00043	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 12D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			<20	U	<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 12D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					17.1		18.8		ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene							<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzoic acid					<25	U			ug/L
Benzyl alcohol							<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<0	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 12D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00065	U			ug/L
Hexachlorodibenzo-p-furans					<.00062	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			24.9		23.2	J E	<13.3	U V	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 12D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					7.69	J E			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00077	U			ug/L
Pentachlorodibenzo-p-furans					<.0005	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00043	U			ug/L
Tetrachlorodibenzo-p-furans					<.00035	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Total organic halogens							<120	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 12D  
ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					4.52	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene							<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 27D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71180.1	33.210 Deg N	101.3 - 81.3 ft msl	110.6 ft msl	110.6 ft msl	2" PVC		Unconfined
E 16609.1	81.761 Deg W						

SAMPLE DATE	03/04/98	05/15/98	08/05/98	12/04/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	12.55	12.69	14.39	15.8	ft BTOS
pH	8.1	5.9	6	5.4	
Sp. Conductance	89	100	140	220	uS/cm
Water temperature	13.6	20.1	20.7	20.7	deg. C
Alkalinity as CaCO3	15	23	24	4	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.5	1.9	1.9	3.2	NTU
Volumes purged	4.71835	8.05200	3.66832	4.05004	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00029	U			ug/L
2,4,5-T					<2	UJ O			ug/L
2,4,5-TP (Silvex)					<2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 27D

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			<20	U	<200	UJ	237		ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 27D

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					70				ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<25	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<20	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Calcium, total recoverable					<17500				ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chloride					7160				ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					3.31	J E			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					3.78	J E			ug/L
Copper, total recoverable					11.4	J E			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<20	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<10	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.11	U V			ug/L
Dieldrin					<2	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 27D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Fluoride					<69.4	U			ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<20	U	<10	JU Q	ug/L
Hexachlorobutadiene					<10	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.0011	U			ug/L
Hexachlorodibenzo-p-furans					<.00061	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<20	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			8.6	J E	<94.2	U E	108	J I	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<10	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Lithium, total recoverable					<.91	U			ug/L
Magnesium, total recoverable					<1920				ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 27D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<10	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<20	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<20	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<10	U	<10	JU Q	ug/L
Nickel, total recoverable					7.76	J E			ug/L
Nitrobenzene					<25	U	<10	JU Q	ug/L
Nonvolatile beta			2.51	J	8.51	J			pCi/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<00087	U			ug/L
Pentachlorodibenzo p-furans					<00054	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<10	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Potassium, total recoverable					<3470				ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<25	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silica, total recoverable					<8170				ug/L
Silver, total recoverable					<20	U			ug/L
Sodium, total recoverable					<7290				ug/L
Styrene					<5	U			ug/L
Sulfate					6530				ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: TNX 27D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00029	U			ug/L
Tetrachlorodibenzo-p-furans					<.00035	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Total dissolved solids					<140000				ug/L
Total organic carbon					816	J			ug/L
Total organic halogens			13.3	J EY	43.1	J			ug/L
Total phosphates (as P)					<84.9				ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L
Tritium			.73	UI	-.74	UI			pCi/ml
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					44.2				ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	16.1		ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71105.4 E 16883.0	33.211 Deg N 81.760 Deg W	53.6 - 43.6 ft msl	156.2 ft msl	156.0 ft msl	4" STL	S	Unconfined
SAMPLE DATE		03/03/98	05/15/98	08/06/98	12/03/98		

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	56.97	56.75	59.31	60.6	ft BTOS
pH	5.2	5.2	5.2	4.7	
Sp. Conductance	84	70	71	65	uS/cm
Water temperature	20.9	19.2	22.3	19.8	deg. C
Alkalinity as CaCO3	5	1	4	4	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.3	1.7	.5	.5	NTU
Volumes purged	2.39260	2.87621	2.95747	2.73684	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00047	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			<100	U	<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: XSB 1A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					<10	U	9.75	J I	ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene							<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzoic acid					<25	U			ug/L
Benzyl alcohol							<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<0	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00089	U			ug/L
Hexachlorodibenzo-p-furans					<.00082	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			20.9		5.7	J E	<11.2	U V	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00091	U			ug/L
Pentachlorodibenzo-p-furans					<.00049	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Saffrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00047	U			ug/L
Tetrachlorodibenzo-p-furans					<.00038	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					<20	U			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene			<1	U	<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<2	U			ug/L
p,p"-DDE					<2	U			ug/L
p,p"-DDT					<2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: XSB 1B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71105.0	33.211 Deg N	74.6 - 64.6 ft msl	156.2 ft msl	155.9 ft msl	4" STL	S	Semiconfined
E 16872.9	81.760 Deg W						

SAMPLE DATE	03/03/98	05/13/98	08/06/98	12/02/98
FIELD DATA				

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	49.24	50.4	54.58	55.35	ft BTOS
pH	5.3	5.2	4.9	5.2	
Sp. Conductance	35	34	33	31	uS/cm
Water temperature	20.4	16	23.2	21.6	deg. C
Alkalinity as CaCO3	4	4	2	2	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	5.4	4.2	4.3	7.4	NTU
Volumes purged	2.71824	8.05057	4.69107	6.02124	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	UJ O	<.462	UJ O	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00058	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1B  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			15.5	J E	<200	U	<200	U I	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: XSB 1B

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					20.5		22.4		ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene							<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzoic acid					<25	U			ug/L
Benzyl alcohol							<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<0	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					3.15	J E			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<.2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1B  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<1	U			ug/L
Endosulfan II					<2	U			ug/L
Endosulfan sulfate					<2	U			ug/L
Endrin					<2	U			ug/L
Endrin aldehyde					<2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<1	U			ug/L
Heptachlor epoxide					<1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00065	U			ug/L
Hexachlorodibenzo-p-furans					<.00074	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			788	6	813		1470		ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: XSB 1B  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					13.8	J E			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00072	U			ug/L
Pentachlorodibenzo-p-furans					<.0006	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00058	U			ug/L
Tetrachlorodibenzo-p-furans					<.00055	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1B

ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					10.4	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71104.8	33.211 Deg N	107.9 - 87.9 ft msl	156.2 ft msl	156.0 ft msl	4" STL	S	Unconfined
E 16893.5	81.760 Deg W						

SAMPLE DATE	03/05/98	05/13/98	08/06/98	12/03/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	57	56.45	59.1	60.57	ft BTOS
pH	4.6	4.2	4.6	4.3	
Sp. Conductance	62	660	80	74	uS/cm
Water temperature	17	16	23.1	21.1	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.7	.9	.3	1	NTU
Volumes purged	9.61327	18.8422	7.96070	6.27571	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00076	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			870		<200	U	145	J I	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: XSB 1D

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					17.8		15.3		ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene							<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzoic acid					<25	U			ug/L
Benzyl alcohol							<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	8.68	J IQ	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<0	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					5.24	J E			ug/L
Copper, total recoverable					6.87	J E			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.0011	U			ug/L
Hexachlorodibenzo-p-furans					<.0006	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			112		25.6	J E	84.2	J I	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.0012	U			ug/L
Pentachlorodibenzo-p-furans					<.00068	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00076	U			ug/L
Tetrachlorodibenzo-p-furans					<.00038	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 1D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					9.21	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



## WELL: XSB 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71086.0	33.210 Deg N	104.0 - 84.0 ft msl	155.0 ft msl	154.8 ft msl	4" STL	S	Unconfined
E 16823.1	81.761 Deg W						

SAMPLE DATE	03/05/98	05/11/98	08/04/98	12/04/98

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	55.8	55.15	58	59.44	ft BTOS
pH	5.6	6	5.8	4.8	
Sp. Conductance	160	145	120	120	uS/cm
Water temperature	17	18	24.6	20.2	deg. C
Alkalinity as CaCO3	16	23	12	9	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.7	1.4	.6	.7	NTU
Volumes purged	10.4675	4.48064	11.1947	3.62311	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00044	U			ug/L
2,4,5-T					<.2	U			ug/L
2,4,5-TP (Silvex)					<.2	U			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 2D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	U			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			13	J E	<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 2D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					29.5				ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	30.3	J Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<20	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlordane					<2	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					<10	U			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					<20	U			ug/L
Copper, total recoverable					<20	U			ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.2	U V			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 2D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00083	U			ug/L
Hexachlorodibenzo-p-furans					<.00068	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			14.3	J E	83.7	J E	<200	U	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: XSB 2D

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00087	U			ug/L
Pentachlorodibenzo-p-furans					<.00076	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotep							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00044	U			ug/L
Tetrachlorodibenzo-p-furans					<.00039	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Total organic halogens							18.7	J I	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 2D

ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					27.4				ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: XSB 3A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70915.3	33.210 Deg N	103.2 - 87.4 ft msl	157.3 ft msl	157.0 ft msl	4" STL	S	Unconfined
E 16901.3	81.760 Deg W						

SAMPLE DATE	03/03/98	05/13/98	08/06/98	12/03/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	56.54	55.9	58.57	59.9	ft BTOS
pH	4.7	5	4.8	4.9	
Sp. Conductance	180	120	190	170	uS/cm
Water temperature	21.4	16	21.9	21.2	deg. C
Alkalinity as CaCO3	4	1	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.4	1.1	.7	.8	NTU
Volumes purged	3.73511	7.56632	2.62588	5.81468	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<25	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<25	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<25	U			ug/L
1,1,2-Trichloroethane					<25	U			ug/L
1,1-Dichloroethane					<25	U			ug/L
1,1-Dichloroethylene					<25	U			ug/L
1,2,3-Trichloropropane					<25	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<25	U			ug/L
1,2-Dibromoethane					<25	U			ug/L
1,2-Dichlorobenzene					<25	U			ug/L
1,2-Dichloroethane					<25	U			ug/L
1,2-Dichloropropane					<25	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<25	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<25	U			ug/L
1,4-Dioxane					<5000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00042	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 3A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<.2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<25	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<100	U			ug/L
Acetonitrile (Methyl cyanide)					<2500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<250	U			ug/L
Acrylonitrile					<250	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<50	U			ug/L
Aluminum, total recoverable			58.8		<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: XSB 3A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					59.5		55.5		ug/L
Benzene					<25	U			ug/L
Benzo(a)anthracene							<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzoic acid					<25	U			ug/L
Benzyl alcohol							<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					2.63	J E	<10	JU Q	ug/L
Bromodichloromethane					<25	U			ug/L
Bromoform					<25	U			ug/L
Bromomethane (Methyl bromide)					<25	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<25	U			ug/L
Chlorobenzene					<25	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<50	U			ug/L
Chloroethene (Vinyl chloride)					<25	U			ug/L
Chloromethane (Methyl chloride)					<25	U			ug/L
Chloroprene					<250	U			ug/L
Chromium, total recoverable					3.96	J E			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					8.98	J E			ug/L
Copper, total recoverable					88				ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<25	U			ug/L
Dibromomethane (Methylene bromide)					<25	U			ug/L
Dichlorodifluoromethane					<25	U			ug/L
Dichloromethane (Methylene chloride)					<50	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 3A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<25	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<25	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.0008	U			ug/L
Hexachlorodibenzo-p-furans					<.00085	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<25	U			ug/L
Iron, total recoverable			21.2		419		<44.4	U V	ug/L
Isobutyl alcohol					<7500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<2500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<50	U			ug/L
Methyl isobutyl ketone					<25	U			ug/L
Methyl methacrylate					<250	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 3A  
ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					<50	U			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.0011	U			ug/L
Pentachlorodibenzo-p-furans					<.00084	U			ug/L
Pentachloroethane					<1000	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<2500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<25	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00042	U			ug/L
Tetrachlorodibenzo-p-furans					<.00046	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<25	U			ug/L
Total organic halogens							54.7	J I	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 3A

ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<25	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<100	U			ug/L
Xylenes					<50	U			ug/L
Zinc, total recoverable					13.6	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<1	U			ug/L
alpha-Chlordane					<1	U			ug/L
beta-Benzene hexachloride					<1	U			ug/L
cis-1,2-Dichloroethylene					<25	U	<1	U	ug/L
cis-1,3-Dichloropropene					<25	U			ug/L
delta-Benzene hexachloride					<1	U			ug/L
gamma-Chlordane					<1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<2	U			ug/L
p,p"-DDE					<2	U			ug/L
p,p"-DDT					<2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<25	U			ug/L
trans-1,3-Dichloropropene					<25	U			ug/L
trans-1,4-Dichloro-2-butene					<100	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70997.9	33.210 Deg N	103.9 - 83.9 ft msl	155.2 ft msl	154.9 ft msl	4" STL	S	Unconfined
E 16826.2	81.760 Deg W						

SAMPLE DATE	03/03/98	05/12/98	08/05/98	12/03/98
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FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	55.67	55	57.72	59.19	ft BTOS
pH	5.4	5.4	5.2	5.2	
Sp. Conductance	160	220	140	130	uS/cm
Water temperature	21	18	22.3	21.1	deg. C
Alkalinity as CaCO3	10	4	6	11	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	2.7	.7	1.2	NTU
Volumes purged	3.28147	6.09756	9.52744	6.84104	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	U	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00048	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 4D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3'-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3'-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			49.1		<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: XSB 4D

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					40.5		34.2		ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					5.14	J E	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	7.54	J IQ	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<20	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbazole					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					4.75	J E			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					6.42	J E			ug/L
Copper, total recoverable					20.9				ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<20	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<10	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<4.24	U V			ug/L
Dieldrin					<.2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 4D

ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Dimethyl phthalate					<10	U	<10	JU Q	ug/L
Diphenylamine							<10	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<20	U	<10	JU Q	ug/L
Hexachlorobutadiene					<10	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.0015	U			ug/L
Hexachlorodibenzo-p-furans					<.0016	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<20	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			91.4		68.2	J E	<10.9	U V	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<10	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<10	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<20	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<20	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: XSB 4D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosomorpholine							<10	U	ug/L
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<10	U	<10	JU Q	ug/L
Nickel, total recoverable					14.5	J E			ug/L
Nitrobenzene					<25	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.0013	U			ug/L
Pentachlorodibenzo-p-furans					<.00088	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<10	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<25	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					4.79	J E			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00048	U			ug/L
Tetrachlorodibenzo-p-furans					<.00039	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Total organic halogens							<120	U	ug/L
Toxaphene					<1	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 4D  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					16	J E			ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: XSB 5A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70956.3	33.210 Deg N	-108.9 - 108.9 ft msl	112.2 ft msl	112.0 ft msl	4" STL	S	Unconfined
E 16703.7	81.761 Deg W						

SAMPLE DATE	03/04/98	05/15/98	08/10/98	12/07/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	13.06	13.24	14.92	16.7	ft BTOS
pH	5.7	5.3	5.3	5.1	
Sp. Conductance	230	190	200	170	uS/cm
Water temperature	19.3	17.8	20.9	20.2	deg. C
Alkalinity as CaCO3	7	4	11	6	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	2.7	2	1.6	1.9	NTU
Volumes purged	-5.5098	-6.0134	-6.1904	-5.8286	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1,2-Tetrachloroethane					<5	U			ug/L
1,1,1-Trichloroethane	<.462	U	<.462	UJ O	<5	U	<1	U	ug/L
1,1,2,2-Tetrachloroethane					<5	U			ug/L
1,1,2-Trichloroethane					<5	U			ug/L
1,1-Dichloroethane					<5	U			ug/L
1,1-Dichloroethylene					<5	U			ug/L
1,2,3-Trichloropropane					<5	U			ug/L
1,2,4-Trichlorobenzene					<10	U	<10	JU Q	ug/L
1,2-Dibromo-3-chloropropane					<5	U			ug/L
1,2-Dibromoethane					<5	U			ug/L
1,2-Dichlorobenzene					<5	U			ug/L
1,2-Dichloroethane					<5	U			ug/L
1,2-Dichloropropane					<5	U			ug/L
1,3,5-Trinitrobenzene							<10	U	ug/L
1,3-Dichlorobenzene					<5	U			ug/L
1,3-Dinitrobenzene							<10	U	ug/L
1,4-Dichlorobenzene					<5	U			ug/L
1,4-Dioxane					<1000	U			ug/L
1,4-Naphthoquinone							<10	U	ug/L
1-Naphthylamine							<10	U	ug/L
2,2-Oxybis(1-chloropropane)					<10	U	<10	JU Q	ug/L
2,3,4,6-Tetrachlorophenol							<10	U	ug/L
2,3,7,8-TCDD					<.00058	U			ug/L
2,4,5-T					<.2	UJ O			ug/L
2,4,5-TP (Silvex)					<.2	UJ O			ug/L
2,4,5-Trichlorophenol					<10	U	<10	JU Q	ug/L
2,4,6-Trichlorophenol					<25	U	<25	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
2,4-Dichlorophenol					<10	U	<10	JU Q	ug/L
2,4-Dichlorophenoxyacetic acid					<2	UJ O			ug/L
2,4-Dimethyl phenol					<10	U	<10	JU Q	ug/L
2,4-Dinitrophenol					<25	U	<25	JU Q	ug/L
2,4-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2,6-Dichlorophenol							<10	U	ug/L
2,6-Dinitrotoluene					<10	U	<10	JU Q	ug/L
2-Acetylaminofluorene							<10	U	ug/L
2-Chloronaphthalene					<10	U	<10	JU Q	ug/L
2-Chlorophenol					<10	U	<10	JU Q	ug/L
2-Hexanone					<5	U			ug/L
2-Methyl-4,6-dinitrophenol					<25	U	<25	JU Q	ug/L
2-Methylnaphthalene					<10	U	<10	JU Q	ug/L
2-Naphthylamine							<10	U	ug/L
2-Nitrophenol					<10	U	<10	JU Q	ug/L
2-Picoline							<10	U	ug/L
2-sec-Butyl-4,6-dinitrophenol							<10	U	ug/L
3,3"-Dichlorobenzidine					<10	U	<10	JU Q	ug/L
3,3"-Dimethylbenzidine							<20	U	ug/L
3-Methylcholanthrene							<10	U	ug/L
4-Aminobiphenyl							<10	U	ug/L
4-Bromophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Chloro-m-cresol					<10	U	<10	JU Q	ug/L
4-Chloroaniline					<10	U	<10	JU Q	ug/L
4-Chlorophenyl phenyl ether					<10	U	<10	JU Q	ug/L
4-Nitrophenol					<25	U	<25	JU Q	ug/L
4-Nitroquinoline-1-oxide							<50	U	ug/L
5-Nitro-o-toluidine							<10	U	ug/L
7,12-Dimethylbenz(a)anthracene							<10	U	ug/L
Acenaphthene					<10	U	<10	JU Q	ug/L
Acenaphthylene					<10	U	<10	JU Q	ug/L
Acetone					<20	U			ug/L
Acetonitrile (Methyl cyanide)					<500	U			ug/L
Acetophenone							<10	U	ug/L
Acrolein					<50	U			ug/L
Acrylonitrile					<50	U			ug/L
Aldrin					<.1	U			ug/L
Allyl chloride					<10	U			ug/L
Aluminum, total recoverable			26.9		<200	U	<200	U	ug/L
Aniline					<25	U	<25	JU Q	ug/L
Anthracene					<10	U	<10	JU Q	ug/L
Antimony, total recoverable					<100	U			ug/L
Aramite							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Arsenic, total recoverable					<10	U			ug/L
Barium, total recoverable					4.78	J E			ug/L
Benzene					<5	U			ug/L
Benzo(a)anthracene					<10	U	<10	JU Q	ug/L
Benzo(a)pyrene					<10	U	<10	JU Q	ug/L
Benzo(b)fluoranthene					<10	U	<10	JU Q	ug/L
Benzo(g,h,i)perylene					<10	U	<10	JU Q	ug/L
Benzo(k)fluoranthene					<10	U	<10	JU Q	ug/L
Benzyl alcohol					<10	U	<10	JU Q	ug/L
Beryllium, total recoverable					<10	U			ug/L
Bis(2-chloroethoxy) methane					<10	U	<10	JU Q	ug/L
Bis(2-chloroethyl) ether					<10	U	<10	JU Q	ug/L
Bis(2-ethylhexyl) phthalate					<10	U	<10	JU Q	ug/L
Bromodichloromethane					<5	U			ug/L
Bromoform					<5	U			ug/L
Bromomethane (Methyl bromide)					<5	U			ug/L
Butylbenzyl phthalate					<10	U	<10	JU Q	ug/L
Cadmium, total recoverable					<10	U			ug/L
Carbon disulfide					<5	U			ug/L
Chlorobenzene					<5	U			ug/L
Chlorobenzilate							<10	U	ug/L
Chloroethane					<10	U			ug/L
Chloroethene (Vinyl chloride)					<5	U			ug/L
Chloromethane (Methyl chloride)					<5	U			ug/L
Chloroprene					<50	U			ug/L
Chromium, total recoverable					3.77	J E			ug/L
Chrysene					<10	U	<10	JU Q	ug/L
Cobalt, total recoverable					3.11	J E			ug/L
Copper, total recoverable					179				ug/L
Cyanide					<10	U			ug/L
Di-n-butyl phthalate					<10	U	<10	JU Q	ug/L
Di-n-octyl phthalate					<10	U	<10	JU Q	ug/L
Diallate							<10	U	ug/L
Dibenz(a,h)anthracene					<20	U	<10	JU Q	ug/L
Dibenzofuran					<10	U	<10	JU Q	ug/L
Dibromochloromethane					<5	U			ug/L
Dibromomethane (Methylene bromide)					<5	U			ug/L
Dichlorodifluoromethane					<5	U			ug/L
Dichloromethane (Methylene chloride)					<10	U			ug/L
Dieldrin					<2	U			ug/L
Diethyl phthalate					<10	U	<10	JU Q	ug/L
Dimethoate							<10	U	ug/L
Dimethyl phthalate					<10	U	<10	JU Q	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Diphenylamine							<f0	U	ug/L
Disulfoton							<10	U	ug/L
Endosulfan I					<.1	U			ug/L
Endosulfan II					<.2	U			ug/L
Endosulfan sulfate					<.2	U			ug/L
Endrin					<.2	U			ug/L
Endrin aldehyde					<.2	U			ug/L
Ethyl methacrylate					<5	U			ug/L
Ethyl methanesulfonate							<10	U	ug/L
Ethylbenzene					<5	U			ug/L
Fluoranthene					<10	U	<10	JU Q	ug/L
Fluorene					<10	U	<10	JU Q	ug/L
Heptachlor					<.1	U			ug/L
Heptachlor epoxide					<.1	U			ug/L
Hexachlorobenzene					<10	U	<10	JU Q	ug/L
Hexachlorobutadiene					<20	U	<10	JU Q	ug/L
Hexachlorocyclopentadiene					<10	U	<10	JU Q	ug/L
Hexachlorodibenzo-p-dioxins					<.00072	U			ug/L
Hexachlorodibenzo-p-furans					<.00057	U			ug/L
Hexachloroethane					<10	U	<10	JU Q	ug/L
Indeno(1,2,3-c,d)pyrene					<10	U	<10	JU Q	ug/L
Iodomethane (Methyl iodide)					<5	U			ug/L
Iron, total recoverable			532		99.3	J E	<100	JU L	ug/L
Isobutyl alcohol					<1500	U			ug/L
Isodrin							<10	U	ug/L
Isophorone					<20	U	<10	JU Q	ug/L
Isosafrole							<10	U	ug/L
Kepone							<10	U	ug/L
Lindane					<.1	U			ug/L
Methacrylonitrile					<500	U			ug/L
Methapyrilene							<10	U	ug/L
Methoxychlor					<1	U			ug/L
Methyl ethyl ketone					<10	U			ug/L
Methyl isobutyl ketone					<5	U			ug/L
Methyl methacrylate					<50	U			ug/L
Methyl methanesulfonate							<10	U	ug/L
N-Nitrosodi-n-butylamine							<10	U	ug/L
N-Nitrosodiethylamine							<10	U	ug/L
N-Nitrosodimethylamine					<20	U	<25	JU Q	ug/L
N-Nitrosodiphenylamine					<10	U	<10	JU Q	ug/L
N-Nitrosodipropylamine					<10	U	<10	JU Q	ug/L
N-Nitrosomethylethylamine							<10	U	ug/L
N-Nitrosomorpholine							<10	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
N-Nitrosopiperidine							<10	U	ug/L
N-Nitrosopyrrolidine							<10	U	ug/L
Naphthalene					<20	U	<10	JU Q	ug/L
Nickel, total recoverable					8.95	J E			ug/L
Nitrobenzene					<10	U	<10	JU Q	ug/L
O,O,O-Triethyl phosphorothioate							<10	U	ug/L
PCB 1016					<2	U			ug/L
PCB 1221					<2	U			ug/L
PCB 1232					<1	U			ug/L
PCB 1242					<1	U			ug/L
PCB 1248					<1	U			ug/L
PCB 1254					<1	U			ug/L
PCB 1260					<1	U			ug/L
Parathion							<10	U	ug/L
Parathion methyl							<10	U	ug/L
Pentachlorodibenzo-p-dioxins					<.00081	U			ug/L
Pentachlorodibenzo-p-furans					<.00065	U			ug/L
Pentachloroethane					<200	U			ug/L
Pentachloronitrobenzene							<10	U	ug/L
Pentachlorophenol					<25	U	<25	JU Q	ug/L
Phenacetin							<10	U	ug/L
Phenanthrene					<10	U	<10	JU Q	ug/L
Phenol					<10	U	<10	JU Q	ug/L
Phorate							<10	U	ug/L
Pronamid							<10	U	ug/L
Propionitrile					<500	U			ug/L
Pyrene					<10	U	<10	JU Q	ug/L
Pyridine							<25	JU Q	ug/L
Safrole							<10	U	ug/L
Selenium, total recoverable					<10	U			ug/L
Silver, total recoverable					<20	U			ug/L
Styrene					<5	U			ug/L
Sulfide					<1000	U			ug/L
Sulfotepp							<10	U	ug/L
Tetrachlorodibenzo-p-dioxins					<.00058	U			ug/L
Tetrachlorodibenzo-p-furans					<.00039	U			ug/L
Thallium, total recoverable					<10	U			ug/L
Thionazin							<10	U	ug/L
Tin, total recoverable					<200	U			ug/L
Toluene					<5	U			ug/L
Toxaphene					<1	U			ug/L
Trichlorofluoromethane					<5	U			ug/L
Vanadium, total recoverable					<10	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

WELL: XSB 5A  
ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Vinyl acetate					<20	U			ug/L
Xylenes					<10	U			ug/L
Zinc, total recoverable					26.3				ug/L
a,a-Dimethylphenethylamine							<10	U	ug/L
alpha-Benzene hexachloride					<.1	U			ug/L
alpha-Chlordane					<.1	U			ug/L
beta-Benzene hexachloride					<.1	U			ug/L
cis-1,2-Dichloroethylene					<5	U	<1	U	ug/L
cis-1,3-Dichloropropene					<5	U			ug/L
delta-Benzene hexachloride					<.1	U			ug/L
gamma-Chlordane					<.1	U			ug/L
m-Nitroaniline					<25	U	<25	JU Q	ug/L
m/ p-Cresol							<20	U	ug/L
o-Cresol (2-Methylphenol)					<10	U	<10	JU Q	ug/L
o-Nitroaniline					<25	U	<25	JU Q	ug/L
o-Toluidine							<10	U	ug/L
p,p"-DDD					<.2	U			ug/L
p,p"-DDE					<.2	U			ug/L
p,p"-DDT					<.2	U			ug/L
p-Cresol (4-Methylphenol)					<10	U	<10	JU Q	ug/L
p-Dimethylaminoazobenzene							<10	U	ug/L
p-Nitroaniline					<10	U	<10	JU Q	ug/L
p-Phenylenediamine							<10	U	ug/L
trans-1,2-Dichloroethylene					<5	U			ug/L
trans-1,3-Dichloropropene					<5	U			ug/L
trans-1,4-Dichloro-2-butene					<20	U			ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



**Table B-3. Groundwater Monitoring Results for Individual Recovery Wells, Monthly Sampling****WELL: TRW 1**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71162.8	33.211 Deg N	106.4 - 81.4 ft msl	ft msl	156.3 ft msl	6" STL		Unconfined
E 16947.0	81.760 Deg W						

<u>SAMPLE DATE</u>	01/16/98	02/27/98	03/31/98	04/20/98
<b>FIELD DATA</b>				

<u>Analyte</u>					<u>Unit</u>
Depth to water		63.27	55	55.41	ft BTOS
pH	5.4	5.1			
Sp. Conductance	120	70			uS/cm
Water temperature	18	20.6			deg. C
Alkalinity as CaCO <sub>3</sub>	7	1			mg/L
Phenolphthalein Alkalinity	0	0			mg/L
Turbidity	2.1	.5			NTU
Volumes purged					gallons
Sampling codes		C	CNP	C	

**ANALYTICAL DATA**

<u>Analyte</u>		<u>Mod</u>		<u>Mod</u>		<u>Mod</u>	<u>Mod</u>	<u>Unit</u>
Carbon tetrachloride	12.1		11.1					ug/L
Chloroform	.709		<4.28	U				ug/L
Gross alpha	1.31	UI						pCi/L
Lead, total recoverable	20.4							ug/L
Mercury, total recoverable	3.55	J I						ug/L
Tetrachloroethylene	.98		<5.69	U				ug/L
Trichloroethylene	99.2		116					ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 1

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71162.8	33.211 Deg N	106.4 - 81.4 ft msl	ft msl	156.3 ft msl	6" STL		Unconfined
E 16947.0	81.760 Deg W						

SAMPLE DATE	05/13/98	06/03/98	07/15/98	08/11/98

## FIELD DATA

Analyte					Unit
Depth to water	62.85		64.8	65.2	ft BTOS
pH		5	5.5	4.9	
Sp. Conductance		160	140	130	uS/cm
Water temperature		23	24	22.3	deg. C
Alkalinity as CaCO <sub>3</sub>		0	3	2	mg/L
Phenolphthalein Alkalinity		0	0	0	mg/L
Turbidity		1.6	3.6	.4	NTU
Volumes purged					gallons
Sampling codes	C	C	C	C	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	14		8.11		10.4		8.17		ug/L
Chloroform	.971		.847		<1	U	<1	U	ug/L
Gross alpha	3.54		5.55		7.03		9.17		pCi/L
Lead, total recoverable	<5	U	5.4		<5	U	<10	U	ug/L
Mercury, total recoverable	.84		1.05		.482		.897		ug/L
Tetrachloroethylene	1.39		.662		2.29	J C	1.43	J I	ug/L
Trichloroethylene	170		98.2		122	L	85.9		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 1

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71162.8	33.211 Deg N	106.4 - 81.4 ft msl	ft msl	156.3 ft msl	6" STL		Unconfined
E 16947.0	81.760 Deg W						

SAMPLE DATE	09/15/98	10/15/98	11/30/98	12/16/98
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## FIELD DATA

Analyte					Unit
Depth to water	65.9	66.15	67.85	67.95	ft BTOS
pH	5.3	5	5.2	5.5	
Sp. Conductance	100	100	120	110	uS/cm
Water temperature	21.5	19.2	19.7	21	deg. C
Alkalinity as CaCO3	1	7	5	3	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	2	2.2	.5	NTU
Volumes purged	0	0			gallons
Sampling codes	CN	CN	CN	CN	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	<b>8.99</b>	J O	<b>10.8</b>	J K	<b>11.3</b>	J I	<b>12.6</b>		ug/L
Chloroform	.957	J EO	1.4		<5	U	2.06		ug/L
Gross alpha	5.92		3.5		2.24				pCi/L
Lead, total recoverable	<100	U	<100	U	<47	U	<10	U	ug/L
Mercury, total recoverable	.579		.64		.829		.291	J I	ug/L
Tetrachloroethylene	1.76	J CIO	1.76	J K	<5	U	1.54		ug/L
Trichloroethylene	<b>86.9</b>	J CO	<b>97.9</b>		<b>91.8</b>	J K	<b>103</b>		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 2

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71259.6	33.211 Deg N	112.2 - 77.2 ft msl	ft msl	154.3 ft msl	6" STL		Unconfined
E 16803.8	81.761 Deg W						

SAMPLE DATE	01/16/98	02/27/98	03/31/98	04/20/98
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## FIELD DATA

Analyte					Unit
Depth to water		60.65	53.72	57.57	ft BTOS
pH	5.4	4.8		4.4	
Sp. Conductance	96	57		80	uS/cm
Water temperature	17	20.1		20.4	deg. C
Alkalinity as CaCO3	7	1		1	mg/L
Phenolphthalein Alkalinity	0	0		0	mg/L
Turbidity	1.6	.4		.4	NTU
Volumes purged					gallons
Sampling codes		C	CNP	C	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	2.98		2.8		3.62				ug/L
Chloroform	<.428	U	<.856	U	.519				ug/L
Gross alpha	1.18								pCi/L
Lead, total recoverable	<5	U			<5	U			ug/L
Mercury, total recoverable	<.2	UJ I			.43				ug/L
Tetrachloroethylene	<.569	U	<1.14	U	.782				ug/L
Trichloroethylene	33.2		24.2		35.8				ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 2

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71259.6	33.211 Deg N	112.2 - 77.2 ft msl	ft msl	154.3 ft msl	6" STL		Unconfined
E 16803.8	81.761 Deg W						

SAMPLE DATE	05/13/98	06/03/98	07/15/98	08/11/98
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## FIELD DATA

Analyte					Unit
Depth to water	60.4		62.5	62.7	ft BTOS
pH		4.8	3.9	4.5	
Sp. Conductance		110	180	83	uS/cm
Water temperature		23.4	24.2	23.3	deg. C
Alkalinity as CaCO3		0	0	2	mg/L
Phenolphthalein Alkalinity		0	0	0	mg/L
Turbidity		.2	3.5	.2	NTU
Volumes purged					gallons
Sampling codes	C	C	C	C	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	8.11		5.27		6.61		6.29		ug/L
Chloroform	.526		.485		<1	U	<1	U	ug/L
Gross alpha	5.82		7.3		5.67		4.31		pCi/L
Lead, total recoverable	4.1	J E	<5	U	<5	U	<10	U	ug/L
Mercury, total recoverable	1.09		1.27		.124	J E	.637		ug/L
Tetrachloroethylene	.84		<.569	U	1.13	J C	1.01	J I	ug/L
Trichloroethylene	79		52.3		94	J I	55.8		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 2

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71259.6	33.211 Deg N	112.2 - 77.2 ft msl	ft msl	154.3 ft msl	6" STL		Unconfined
E 16803.8	81.761 Deg W						

SAMPLE DATE	09/15/98	10/15/98	11/30/98	12/16/98

## FIELD DATA

Analyte					Unit
Depth to water	63.2	63	64.55	64.69	ft BTOS
pH	5.3	5	5.2	5.4	
Sp. Conductance	100	82	80	80	uS/cm
Water temperature	21.1	18.4	18.6	21.3	deg. C
Alkalinity as CaCO <sub>3</sub>	1	5	3	3	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.9	7	4.2	.4	NTU
Volumes purged	0	0			gallons
Sampling codes	CN	CN	CN	CN	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	9.22		10.4	J K	8.2		8.16		ug/L
Chloroform	<1	U	.699		.559	J I	.807	J I	ug/L
Gross alpha	3.94		3.02	J I					pCi/L
Lead, total recoverable	<100	U	<100	U	<10	U	<10	U	ug/L
Mercury, total recoverable	<.5	U	<.5	U	<.5	U	.251	J I	ug/L
Tetrachloroethylene	1.47	J CI	1.46	J K	1.09		1.06		ug/L
Trichloroethylene	60.3	J C	64.1		57.6		61.2		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 3

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71334.4	33.211 Deg N	112.3 - 77.4 ft msl	ft msl	154.5 ft msl	6" STL		Unconfined
E 17004.7	81.761 Deg W						

SAMPLE DATE	02/27/98	03/31/98	04/20/98
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## FIELD DATA

Analyte				Unit
Depth to water	54.02	52.74	53.19	ft BTOS
pH				
Sp. Conductance				uS/cm
Water temperature				deg. C
Alkalinity as CaCO3				mg/L
Phenolphthalein Alkalinity				mg/L
Turbidity				NTU
Volumes purged				gallons
Sampling codes	NPW	CNP	C	

## ANALYTICAL DATA

Analyte	Mod	Mod	Mod	Mod	Unit
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Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 3

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71334.4	33.211 Deg N	112.3 - 77.4 ft msl	ft msl	154.5 ft msl	6" STL		Unconfined
E 17004.7	81.761 Deg W						

SAMPLE DATE	05/13/98	06/03/98	07/15/98	08/11/98

## FIELD DATA

Analyte					Unit
Depth to water	53.8				ft BTOS
pH		5.4	4.3	5.1	
Sp. Conductance		65	120	63	uS/cm
Water temperature		23	24.8	24.5	deg. C
Alkalinity as CaCO3		7	0	8	mg/L
Phenolphthalein Alkalinity		0	0	0	mg/L
Turbidity		.6	2.8	.5	NTU
Volumes purged					gallons
Sampling codes	C	C	C	CS	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	3.66		5.12		9.57		8.25		ug/L
Chloroform	<.428	U	<.428	U	<1	U	<1	U	ug/L
Gross alpha	4.97		1.88	J	3.11		3.38		pCi/L
Lead, total recoverable	3.5	J E	<5	U	<5	U	8.92	J E	ug/L
Mercury, total recoverable	.05	J E	<.2	U	<.2	U	<.5	U	ug/L
Tetrachloroethylene	<.569	U	<.569	U	<1	U	<1	U	ug/L
Trichloroethylene	93.4		108		115	L	91.1		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



## WELL: TRW 3

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71334.4	33.211 Deg N	112.3 - 77.4 ft msl	ft msl	154.5 ft msl	6" STL		Unconfined
E 17004.7	81.761 Deg W						

SAMPLE DATE	09/15/98	10/15/98	11/30/98	12/16/98
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## FIELD DATA

Analyte					Unit
Depth to water					ft BTOS
pH	5.9	4.8	5.8	5.8	
Sp. Conductance	62	68	60	55	uS/cm
Water temperature	23	16.5	20	21.7	deg. C
Alkalinity as CaCO <sub>3</sub>	1		8	8	mg/L
Phenolphthalein Alkalinity	0		0	0	mg/L
Turbidity	1.8	1.4	1.4	.8	NTU
Volumes purged					gallons
Sampling codes	CNS	CND	CNS	CNS	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	7.27		9.66	J K	6.77		6.81		ug/L
Chloroform	.828	J E	.844		.641	J I	<1	U	ug/L
Gross alpha	1.69		1.04	J I					pCi/L
Lead, total recoverable	<100	U	<100	U	<4.88	JU I	<10	U	ug/L
Mercury, total recoverable	<.5	U	<.5	U	<.5	U	<.5	U	ug/L
Tetrachloroethylene	<1	U	.745	J K	<1	U	<1	U	ug/L
Trichloroethylene	88.6	J C	93.9		92.4		100		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 4

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71454.2	33.212 Deg N	111.9 - 81.9 ft msl	ft msl	150.9 ft msl	6" STL		Unconfined
E 17144.6	81.760 Deg W						

<u>SAMPLE DATE</u>	<u>02/27/98</u>	<u>03/31/98</u>	<u>04/20/98</u>

## FIELD DATA

<u>Analyte</u>	<u>Unit</u>
Depth to water	ft BTOS
pH	
Sp. Conductance	uS/cm
Water temperature	deg. C
Alkalinity as CaCO3	mg/L
Phenolphthalein Alkalinity	mg/L
Turbidity	NTU
Volumes purged	gallons
Sampling codes	

## ANALYTICAL DATA

<u>Analyte</u>	<u>Mod</u>	<u>Mod</u>	<u>Mod</u>	<u>Mod</u>	<u>Unit</u>

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71454.2	33.212 Deg N	111.9 - 81.9 ft msl	ft msl	150.9 ft msl	6" STL		Unconfined
E 17144.6	81.760 Deg W						

SAMPLE DATE	05/13/98	06/03/98	07/15/98	08/11/98

## FIELD DATA

Analyte					Unit
Depth to water	48.95		60.5	63.15	ft BTOS
pH		5	5.7	4.7	
Sp. Conductance		66	74	82	uS/cm
Water temperature		23.3	26	22.6	deg. C
Alkalinity as CaCO3		0	6	3	mg/L
Phenolphthalein Alkalinity		0	0	0	mg/L
Turbidity		.5	9.7	.8	NTU
Volumes purged					gallons
Sampling codes	C	C	C	C	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	2.31		2.82		1.79		259	J O	ug/L
Chloroform	<.428	U	<1	U	<1	U	<250	U O	ug/L
Gross alpha	4.79		1.49		3.69		4.04		pCi/L
Lead, total recoverable	<5	U	<5	U	<5	U	<10	U	ug/L
Mercury, total recoverable	.05	J E	<.2	U	<.2	U	<.5	U	ug/L
Tetrachloroethylene	<.569	U	<1	U	<1	U	<262	U IO	ug/L
Trichloroethylene	71		<89.2	U	148	L	130	L	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TRW 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71454.2	33.212 Deg N	111.9 - 81.9 ft msl	ft msl	150.9 ft msl	6" STL		Unconfined
E 17144.6	81.760 Deg W						

SAMPLE DATE	09/15/98	10/15/98	11/30/98	12/16/98
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## FIELD DATA

Analyte					Unit
Depth to water	62.55	61.7	65.82	64.6	ft BTOS
pH	5.6	5.1	5.3	5.4	
Sp. Conductance	74	84	95	90	uS/cm
Water temperature	23.1	19.5	18.2	21.8	deg. C
Alkalinity as CaCO3	2	6	4	4	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	3.5	2.6	3.7	1.8	NTU
Volumes purged	0	0			gallons
Sampling codes	CN	CN	CN	CN	

## ANALYTICAL DATA

Analyte		Mod		Mod		Mod		Mod	Unit
Carbon tetrachloride	2.36		<10	U K	<10	U	<10	U	ug/L
Chloroform	<1	U	<1	U	<10	U	<1	U	ug/L
Gross alpha	3.18		2.39	J I					pCi/L
Lead, total recoverable	<100	U	<100	U	<10	U	<10	U	ug/L
Mercury, total recoverable	<.5	U	.252	J I	<.5	U	<.5	U	ug/L
Tetrachloroethylene	<1	U	<1	U	<1	U	<1	U	ug/L
Trichloroethylene	111	L	124		125		161		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

Table B-4. Field Data for Secondary Wells

WELL: P 26B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71996.2	33.214 Deg N	82.4 - 71.9 ft msl	154.5 ft msl	154.1 ft msl	4" PVC	S	Unconfined
E 18050.9	81.759 Deg W						

SAMPLE DATE	01/29/98	04/21/98	08/11/98	12/01/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	43.92	38.85	42.34	45.06	ft msl
pH	5.9	6.1		5.9	
Sp. Conductance	80	81		69	uS/cm
Water temperature	19.3	19.8		19	deg. C
Alkalinity as CaCO <sub>3</sub>	30	32		17	mg/L
Phenolphthalein Alkalinity	0	0		0	mg/L
Turbidity	1.1	1.9		5.8	NTU
Volumes purged	3.14595	2.28571		3.28355	gallons
Sampling code			NP		

WELL: P 26D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71969.3	33.214 Deg N	121.9 - 101.8 ft msl	154.5 ft msl	153.9 ft msl	4" PVC	S	Unconfined
E 18041.6	81.759 Deg W						

<u>SAMPLE DATE</u>	<u>04/21/98</u>	<u>08/10/98</u>	<u>12/01/98</u>

## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	28.42	31.7	34.91		ft msl
pH	5.5	5.1	4.7		
Sp. Conductance	33	30	31		uS/cm
Water temperature	19.4	19.5	17.7		deg. C
Alkalinity as CaCO <sub>3</sub>	8	6	2		mg/L
Phenolphthalein Alkalinity	0	0	0		mg/L
Turbidity	.3	.5	1.2		NTU
Volumes purged	4.05560	4.70768	4.87734		gallons
Sampling code					

WELL: TBG 7

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71298.5	33.212 Deg N	104.7 - 84.7 ft msl	146.9 ft msl	146.8 ft msl	4" STL	S	Unconfined
E 17548.1	81.759 Deg W						

SAMPLE DATE	01/29/98	04/21/98	08/12/98	12/04/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	41.07	36.78	40.05	42.74	ft msl
pH	5.1	5.4	5	5.2	
Sp. Conductance	51	49	50	44	uS/cm
Water temperature	22.3	23.1	23.5	22.8	deg. C
Alkalinity as CaCO3	10	11	4	5	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.6	.8	1.1	.9	NTU
Volumes purged	3.62432	3.07045	3.87147	3.07083	gallons
Sampling code					

WELL: TNX 5D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 70995.3	33.211 Deg N	108.5 - 88.5 ft msl	149.5 ft msl	149.3 ft msl	4" STL	S	Unconfined
E 17363.7	81.759 Deg W						

<u>SAMPLE DATE</u>	<u>01/29/98</u>	<u>04/21/98</u>	<u>08/12/98</u>	<u>12/02/98</u>

## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	44.45	39.26	43.05	45.95	ft msl
pH			4.3	5.3	
Sp. Conductance			130	90	uS/cm
Water temperature			23.6	19.7	deg. C
Alkalinity as CaCO3			2	6	mg/L
Phenolphthalein Alkalinity			0	0	mg/L
Turbidity			10.3	12.9	NTU
Volumes purged	.652644	.778472	0	.102653	gallons
Sampling code	LNS	LNS	NX	NX	



WELL: TNX 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70717.6	33.211 Deg N	109.8 - 89.8 ft msl	150.7 ft msl	150.5 ft msl	4" STL	S	Unconfined
E 17428.7	81.758 Deg W						

SAMPLE DATE	01/29/98	04/21/98	08/12/98	12/02/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	45.13	37.81	42.9	46.31	ft msl
pH			4.5	5.5	
Sp. Conductance			130	150	uS/cm
Water temperature			28.1	20.7	deg. C
Alkalinity as CaCO <sub>3</sub>			5	2	mg/L
Phenolphthalein Alkalinity			0	0	mg/L
Turbidity			4.2	11.6	NTU
Volumes purged	.293717	.532771	0	.105934	gallons
Sampling code	LNS	LNS	NX	NX	

WELL: YSB 1A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71162.2	33.212 Deg N	128.4 - 98.4 ft msl	145.9 ft msl	145.5 ft msl	4" STL	S	Unconfined
E 17808.8	81.758 Deg W						

<u>SAMPLE DATE</u>	<u>01/29/98</u>	<u>04/23/98</u>	<u>08/11/98</u>	<u>12/03/98</u>

## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	24.9	19.5	24.96	44.39	ft msl
pH	5.1	5.1	5.1	5.3	
Sp. Conductance	55	38	39	30	uS/cm
Water temperature	21.9	19.8	22.8	22.9	deg. C
Alkalinity as CaCO3	4	4	4	2	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	2.2	.9	4.9	2.2	NTU
Volumes purged	2.81532	4.36329	3.37376	29.8128	gallons
Sampling code					

## WELL: YSB 2A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71010.0	33.212 Deg N	127.7 - 97.7 ft msl	144.8 ft msl	144.7 ft msl	4" STL	S	Unconfined
E 17850.2	81.758 Deg W						

SAMPLE DATE	01/29/98	04/21/98	08/12/98	12/01/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water	22.3	17	25.31	45	ft msl
pH	5.1	4.9	4.5	5.2	
Sp. Conductance	45	47	37	31	uS/cm
Water temperature	20.1	19.4	20.4	20.7	deg. C
Alkalinity as CaCO <sub>3</sub>	8	1	4	2	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	.8	5.6	1.2	2.6	NTU
Volumes purged	2.71551	2.79472	3.51404	40.3963	gallons
Sampling code					

WELL: YSB 3A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 70859.0	33.211 Deg N	126.7 - 96.7 ft msl	144.2 ft msl	143.9 ft msl	4" STL	S	Unconfined
E 17755.2	81.758 Deg W						

<u>SAMPLE DATE</u>	01/29/98	04/21/98	08/12/98	12/02/98
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## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	20.65	15.54	27.56	25.95	ft msl
pH	6.1	5.5	5.5	5.5	
Sp. Conductance	71	78	110	160	uS/cm
Water temperature	16.7	17.1	22.7	19.3	deg. C
Alkalinity as CaCO <sub>3</sub>	15	16	28	23	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	4.3	2.5	4.9	3.9	NTU
Volumes purged	4.59327	4.52598	5.89886	5.95409	gallons
Sampling code					

## WELL: YSB 4A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71020.7	33.212 Deg N	127.6 - 97.6 ft msl	144.8 ft msl	144.6 ft msl	4" STL	S	Unconfined
E 17739.8	81.758 Deg W						

<u>SAMPLE DATE</u>	<u>01/29/98</u>	<u>04/23/98</u>	<u>08/11/98</u>	<u>12/01/98</u>

## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water	23.95	18.76	24.3	45.36	ft msl
pH	5.3		5	5.3	
Sp. Conductance	67		75	54	uS/cm
Water temperature	20		22.5	21.3	deg. C
Alkalinity as CaCO3	9		11	5	mg/L
Phenolphthalein Alkalinity	0		0	0	mg/L
Turbidity	12.3		2.6	3	NTU
Volumes purged	2.38083	2.80695	3.15623	36.2507	gallons
Sampling code		NPSW			

Table B-5. Groundwater Monitoring Results for Other TNX Area Wells

## WELL: TNX 13D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70842.0	33.208 Deg N	89.9 - 87.9 ft msl	ft msl	94.9 ft msl	2" PVC	S	Unconfined
E 15938.8	81.762 Deg W						

SAMPLE DATE

12/02/98

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water				5.63	ft BTOS
pH				5.6	
Sp. Conductance				145	uS/cm
Water temperature				18.1	deg. C
Alkalinity as CaCO <sub>3</sub>				1	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				1.7	NTU
Volumes purged				8.90155	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Aluminum, total recoverable							<200	U	ug/L
Boron, total recoverable							484		ug/L
Iron, total recoverable							51	J I	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							11.1		ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 14D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70931.8	33.209 Deg N	87.8 - 85.8 ft msl	ft msl	92.8 ft msl	2" PVC	S	Unconfined
E 15971.1	81.762 Deg W						

SAMPLE DATE

12/02/98

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water				3.34	ft BTOS
pH				5.3	
Sp. Conductance				90	uS/cm
Water temperature				19.3	deg. C
Alkalinity as CaCO3				0	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				3.5	NTU
Volumes purged				4.99800	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Aluminum, total recoverable							78.6	J I	ug/L
Boron, total recoverable							794		ug/L
Iron, total recoverable							401		ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							18.8		ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

Unclassified

## WELL: TNX 15D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 71021.1	33.209 Deg N	87.9 - 85.9 ft msl	ft msl	93.1 ft msl	2" PVC	S	Unconfined
E 16002.1	81.763 Deg W						

## SAMPLE DATE

12/02/98

## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water				5.87	ft BTOS
pH				4.9	
Sp. Conductance				135	uS/cm
Water temperature				20.1	deg. C
Alkalinity as CaCO3				1	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				4.1	NTU
Volumes purged				4.58463	gallons
Sampling codes					

## ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Aluminum, total recoverable							241		ug/L
Boron, total recoverable							648		ug/L
Iron, total recoverable							150	J I	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							75.8		ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



WELL: TNX 17D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71583.8	33.210 Deg N	91.7 - 89.7 ft msl	ft msl	96.8 ft msl	2" PVC	P	Unconfined
E 16047.4	81.764 Deg W						

SAMPLE DATE

12/02/98

FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water				6.75	ft BTOS
pH				5.8	
Sp. Conductance				98	uS/cm
Water temperature				20.5	deg. C
Alkalinity as CaCO3				29	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				2	NTU
Volumes purged				104.530	gallons
Sampling codes					

ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Aluminum, total recoverable							<200	U	ug/L
Boron, total recoverable							17.9	J I	ug/L
Iron, total recoverable							<b>5080</b>		ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							<b>1110</b>		ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

**WELL: TNX16D**

**SRS Coord. Lat/Longitude Screen Zone Elevation Top of Standpipe**  
 N 71111.3 33.201913 88.1-86.1 ft. msl 93.4 ft. msl  
 E 16012.2 81.762683

**Casing Pump Screen Zone**  
 2"SS S Unconfined

**SAMPLE DATE** 4/21/98 7/17/98 12/3/98

**Field Data**

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water		2.05	4.85	5.88	ft BTOS
pH		4.4	4.4	4.8	
Sp. Conductance		140	170	165	uS/cm
Water Temperature		16	20.7	18.1	deg. C
Alkalinity as CaCO <sub>3</sub>		0	0	0	mg/L
Phenolphthalein Alkalinity		0	0	0	mg/L
Turbidity		0.2	0.3	0.7	NTU
Volumes Purged		3	2	1	gallons
Sampling Codes					

**ANALYTICAL DATA**

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1-Trichloroethane			0.462	U	<1	U	<1	U	ug/L
Carbon tetrachloride			3.76		1.45		<1	U	ug/L
Chloroform			0.978		<1	U	0.917	J	ug/L
Tetrachloroethylene			0.693		<1	U	<1	U	ug/L
Trichloroethylene			45.1		49		48.4		ug/L
cis-1,2-Dichloroethylene			3.6	J	<1	U	0.549	J	ug/L
Aluminum, total recoverable							103	J	ug/L
Aluminum, total recoverable							78.2	J	ug/L
Barium, total recoverable							30.3		ug/L
Barium, total recoverable							32.8		ug/L
Boron, total recoverable							732		ug/L
Boron, total recoverable							772		ug/L
Carbon tetrachloride							1		ug/L
Iron, total recoverable							<200	U	ug/L
Iron, total recoverable							<200	U	ug/L
Lead, total recoverable							<10	U	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							34		ug/L
Manganese, total recoverable							35.2		ug/L
Mercury, total recoverable							2.23		ug/L
Nitrate as nitrogen							200	JU	ug/L
Gross alpha							1.51	J	ug/L

Unclassified

## WELL: TNX 18D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70748.2	33.208 Deg N	86.9 - 84.9 ft msl	ft msl	92.1 ft msl	2" PVC	P	Unconfined
E 15898.0	81.762 Deg W						

SAMPLE DATE

12/03/98

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water				.5	ft BTOS
pH				5.5	
Sp. Conductance				135	uS/cm
Water temperature				16.8	deg. C
Alkalinity as CaCO <sub>3</sub>				10	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				.8	NTU
Volumes purged				2.73025	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Aluminum, total recoverable							<200	U	ug/L
Barium, total recoverable							55.8		ug/L
Boron, total recoverable							701		ug/L
Iron, total recoverable							<12.7	U V	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							3.44	J I	ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 19D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 70626.7	33.208 Deg N	86.9 - 84.9 ft msl	ft msl	92.7 ft msl	2" PVC	P	Unconfined
E 15848.4	81.762 Deg W						

SAMPLE DATE

12/07/98

## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water				3.3	ft BTOS
pH				5.3	
Sp. Conductance				130	uS/cm
Water temperature				18.5	deg. C
Alkalinity as CaCO3				12	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				.7	NTU
Volumes purged				2.71003	gallons
Sampling codes					

## ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Aluminum, total recoverable							<200	U	ug/L
Boron, total recoverable							<100	U	ug/L
Iron, total recoverable							<100	JU L	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							<b>54.6</b>		ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

Unclassified

## WELL: TNX 20D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 70579.0	33.208 Deg N	88.2 - 86.2 ft msl	ft msl	93.5 ft msl	2" PVC	P	Unconfined
E 15826.1	81.762 Deg W						

SAMPLE DATE

12/07/98

## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water				3.88	ft BTOS
pH				5.3	
Sp. Conductance				100	uS/cm
Water temperature				17.9	deg. C
Alkalinity as CaCO <sub>3</sub>				13	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				1	NTU
Volumes purged				3.56583	gallons
Sampling codes					

## ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Aluminum, total recoverable							<200	U	ug/L
Boron, total recoverable							<100	U	ug/L
Iron, total recoverable							<100	JU L	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							37.4		ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 21D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Standpipe</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N 70446.8	33.207 Deg N	88.9 - 86.9 ft msl	ft msl	94.4 ft msl	2" PVC	P	Unconfined
E 15833.5	81.762 Deg W						

## SAMPLE DATE

12/07/98

## FIELD DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>2Q1998</u>	<u>3Q1998</u>	<u>4Q1998</u>	<u>Unit</u>
Depth to water				2.69	ft BTOS
pH				5.5	
Sp. Conductance				76	uS/cm
Water temperature				19.7	deg. C
Alkalinity as CaCO <sub>3</sub>				16	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				38.9	NTU
Volumes purged				12.6768	gallons
Sampling codes				T	

## ANALYTICAL DATA

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Aluminum, total recoverable							<b>3870</b>		ug/L
Boron, total recoverable							<100	U	ug/L
Iron, total recoverable							<100	JU L	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							29.3		ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

Unclassified

## WELL: TNX 22D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70184.7	33.207 Deg N	87.8 - 85.8 ft msl	ft msl	93.0 ft msl	2" PVC	P	Unconfined
E 15757.7	81.762 Deg W						

## SAMPLE DATE

12/07/98

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water				4.31	ft BTOS
pH				5.2	
Sp. Conductance				60	uS/cm
Water temperature				18.9	deg. C
Alkalinity as CaCO3				10	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				2.3	NTU
Volumes purged				4.21977	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Aluminum, total recoverable							<200	U	ug/L
Boron, total recoverable							<100	U	ug/L
Iron, total recoverable							<100	JU L	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							49.5		ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

Unclassified

## WELL: TNX 23D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71414.5	33.211 Deg N	104.8 - 84.8 ft msl	155.3 ft msl	155.1 ft msl	2" PVC	V	Unconfined
E 16927.0	81.761 Deg W						

SAMPLE DATE

04/20/98

07/17/98

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water		53.8	57.1		ft BTOS
pH		5.6	5.7		
Sp. Conductance		46	53		uS/cm
Water temperature		17	22.5		deg. C
Alkalinity as CaCO3		1	11		mg/L
Phenolphthalein Alkalinity		0	0		mg/L
Turbidity		1.8	2.8		NTU
Volumes purged		4.43459	6.46711		gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1-Trichloroethane	<462	UJ O	<1	U					ug/L
Aluminum, total recoverable	<20	U	<100	U					ug/L
Carbon tetrachloride	<.405	UJ O	<1	U					ug/L
Chloroform	<.428	UJ O	<1	U					ug/L
Gross alpha	.44	UI	.69						pCi/L
Iron, total recoverable	<42.4	U	82.4	J E					ug/L
Lead, total recoverable	<5	U	<5	U					ug/L
Mercury, total recoverable	<.2	U	<.2	U					ug/L
Nitrate as nitrogen	<300	U V	112						ug/L
Tetrachloroethylene	<.569	UJ O	<1	U					ug/L
Trichloroethylene	<.735	UJ O	<1	U					ug/L
cis-1,2-Dichloroethylene			<1	U					ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.



## WELL: TNX 24D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 71536.9	33.213 Deg N	114.8 - 99.8 ft msl	143.3 ft msl	142.9 ft msl	2" PVC	V	Unconfined
E 17534.6	81.760 Deg W						

SAMPLE DATE

12/03/98

## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water				33.64	ft BTOS
pH				5.3	
Sp. Conductance				91	uS/cm
Water temperature				21.6	deg. C
Alkalinity as CaCO3				9	mg/L
Phenolphthalein Alkalinity				0	mg/L
Turbidity				2.6	NTU
Volumes purged				4.51194	gallons
Sampling codes					

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
Aluminum, total recoverable							<200	U	ug/L
Barium, total recoverable							10.4		ug/L
Boron, total recoverable							14.3	J I	ug/L
Iron, total recoverable							<68.9	U V	ug/L
Lead, total recoverable							<10	U	ug/L
Manganese, total recoverable							7.43	J I	ug/L
Mercury, total recoverable							<.5	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

## WELL: TNX 26D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N 70424.4	33.208 Deg N	90.1 - 87.8 ft msl	ft msl	100.8 ft msl	2" PVC	P	Unconfined
E 16251.0	81.761 Deg W						

SAMPLE DATE	04/20/98	07/17/98	12/04/98
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## FIELD DATA

Analyte	1Q1998	2Q1998	3Q1998	4Q1998	Unit
Depth to water		4.7	6.98	7.97	ft BTOS
pH			5.8	5.9	
Sp. Conductance			98	80	uS/cm
Water temperature			22.8	19.6	deg. C
Alkalinity as CaCO3			18	0	mg/L
Phenolphthalein Alkalinity			0	0	mg/L
Turbidity			15.1	14.4	NTU
Volumes purged			2.02577	9.69791	gallons
Sampling codes		LN			

## ANALYTICAL DATA

Analyte	1Q1998	Mod	2Q1998	Mod	3Q1998	Mod	4Q1998	Mod	Unit
1,1,1-Trichloroethane			<.462	U	<1	U	<1	U	ug/L
Aluminum, total recoverable			<b>629</b>	J L			<b>766</b>		ug/L
Arsenic, total recoverable			<8	U			<40	U	ug/L
Barium, total recoverable			41.1				35.4		ug/L
Boron, total recoverable			128				219		ug/L
Cadmium, total recoverable			<2	U			<4.7	U	ug/L
Calcium, total recoverable			<3150				<3710		ug/L
Carbon tetrachloride			<.405	U	<1	U	<1	JU L	ug/L
Chloride			10470	J L			7500		ug/L
Chloroform			<.428	U	<1	U	<1	U	ug/L
Chromium, total recoverable			1.1	J E			<2.5	U V	ug/L
Fluoride			<100	U			58.3		ug/L
Gross alpha			5.51				7.71		pCi/L
Iron, total recoverable			<b>1290</b>				<b>338</b>		ug/L
Lead, total recoverable			<5	U			<10	U	ug/L
Lithium, total recoverable			1.4	J E			.43	J I	ug/L
Magnesium, total recoverable			<973				<1060		ug/L
Manganese, total recoverable			<b>85.4</b>				<b>106</b>		ug/L
Mercury, total recoverable			<.14	U V			<.5	U	ug/L
Nitrate as nitrogen							527	J Q	ug/L
Nitrate-nitrite as nitrogen			258				528		ug/L
Nonvolatile beta			<b>7.98</b>	J X			<b>6.51</b>		pCi/L
Potassium, total recoverable			<1030				<922		ug/L
Selenium, total recoverable			<5	U			<66	U	ug/L
Silica, total recoverable			<5240				<12400		ug/L
Silver, total recoverable			<2	U			<5	U	ug/L
Sodium, total recoverable			<14200				<11300		ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

**WELL: TNX 26D**  
**ANALYTICAL DATA**

<u>Analyte</u>	<u>1Q1998</u>	<u>Mod</u>	<u>2Q1998</u>	<u>Mod</u>	<u>3Q1998</u>	<u>Mod</u>	<u>4Q1998</u>	<u>Mod</u>	<u>Unit</u>
Sulfate			9129				7110		ug/L
Tetrachloroethylene			<.569	U	<1	U	<1	U	ug/L
Total dissolved solids			<88000	V			<61000	J Q	ug/L
Total organic carbon			900	J E			2060		ug/L
Total organic halogens			<120	U Y			<120	U	ug/L
Total phosphates (as P)			<7	J EI			<30.9	J I	ug/L
Trichloroethylene			2.18		1.01		.573	J I	ug/L
Tritium			17.08	J C			1.58		pCi/ml
cis-1,2-Dichloroethylene			<5	U	<1	U	<1	U	ug/L

Note: Concentrations in bold exceed the Drinking Water Standards listed in Appendix A. Units are for all four quarters.

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Table B-6. Water Elevations for TNX-Area Wells from SRTC Measurements  
In 1998

	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Oct-98	Nov-98
P26A	120.64	121.92	122.51	122.68	122.26	120.3	119.27	118.96	118.94	117.98	117.71
P26B	110.26	112.27	115.24	115.65	115.53	114.35	112.77	112.03	111.42	110.5	109.7
P26D	117.25	120.52	124.53	126.12	126.48	125.47	123.37	122.44	121.78	120.73	119.94
TBG 1	100.65	101.81	103.38	102.98	102.31	100.39	99.22	98.88	98.74	98.34	97.67
TBG 3	103.22	104.61	105.74	106.81	106.37	105.28	104.23	103.38	102.82	102.42	101.64
TBG 4	103.56	104.84	106.29	107.24	107.06	106.15	105.04	capped	capped	capped	capped
TBG 5A	102.29	103.97	105.98	106.48	105.87	104.42	107	102.5	102.17	101.67	100.67
TBG 5B	115.85	117.21	117.93	118.07	117.57	116.56	117.97	113.77	113.95	113.07	112.72
TBG 5D	102.94	104.72	106.81	107.99	107.69	106.55	104.92	104.13	103.71	103.28	102.23
TBG 6	103.36	104.55	105.94	106.47	106.22	105.19	104.04	103.36	102.99	102.47	101.72
TBG 7	105.14	107.27	109.39	110.48	110.52	108.68	107.27	106.66	106.4	105.71	104.42
TCM 1	95.67	96.34	96.58	96.48	96.17	93.33	93.23	92.9	92.84	92.45	92.35
TCM 2	95.31	95.94	96.24	96.18	95.71	93.65	93.7	93.22	93.34	92.96	92.86
TCM 3	95.38	96.07	96.19	96.19	95.71	93.66	93.71	93.31	93.34	92.92	92.84
TCM 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	92.72	92.83	92.54	92.4
TCM 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	93	92.75	92.69	92.58
TCM 6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	92.41	92.31
TCM 8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	92.64	92.79	92.36	92.21
TIR 1L	95.61	96.18	96.42	96.38	95.97	93.48	93.13	92.88	92.78	92.39	92.31
TIR 1M	95.38	95.85	96.01	96.03	95.54	93.36	93.26	93.06	93.05	92.72	92.57
TIR 1U	95.28	95.75	96.04	96.03	95.41	93.34	93.24	93.01	93.05	92.59	92.57
TIR 2	94.71	95.35	95.54	95.61	95.08	92.55	95.49	92.33	92.35	92.05	91.99
TIR 3B	97.11	97.28	97.65	97.49	97.12	96.27	95.66	95.66	95.45	95.01	94.73
TNX 1D	100.24	100.93	101.84	100.97	100.42	99.23	98.33	98.3	98.14	97.59	96.99
TNX 2D	99.69	100.59	101.65	101.08	100.34	98.97	98.09	97.96	97.86	97.39	96.75
TNX 3D	99.36	100.39	102.35	102.15	101.07	99.38	98.41	98.01	97.84	97.46	96.78
TNX 4D	102.36	104.25	106.87	107.53	107.15	106.01	104.7	103.87	103.54	103	101.97
TNX 5D	104.34	106.63	108.87	110.53	110.25	108.89	107.01	106.17	105.78	105.17	104.04
TNX 6D	104.72	107.54	111.47	113.75	112.34	110.67	108.26	107.39	106.87	106.36	104.65
TNX 7D	101.64	102.49	103.56	102.69	101.95	100.68	99.64	99.58	99.48	98.92	98.15
TNX 8D	146.28	146.74	146.36	146.96	146.18	144.26	144.05	144.09	144.01	143.53	143.46
TNX 9D	94.08	94.55	94.65	94.75	94.05	92.05	91.84	91.86	91.78	91.41	91.25
TNX 10D	95.88	96.33	96.01	96.6	95.04	92.72	92.62	92.26	92.33	91.98	91.75
TNX 11D	97.57	98.27	98.49	98.47	98.07	95.55	95.49	95.14	95.17	94.74	94.73
TNX 12D	96.29	96.59	96.72	96.62	96.24	94.4	94.39	94.26	94.16	93.72	93.7
TNX 13D	91.73	Uw	uw	uw	uw	89.83	89.77	89.65	89.72	89.57	89.32
TNX 14D	92.08	Uw	uw	uw	uw	89.96	89.86	89.85	89.91	89.65	89.57
TNX 15D	uw	Uw	uw	uw	uw	87.88	87.48	87.57	87.65	87.54	87.28
TNX 16D	trans	Trans	trans	trans	90.95	88.56	87.95	87.98	87.98	87.82	87.67
TNX 17D	92.36	92.97	93.01	93.11	92.91	90.68	90.85	90.44	90.54	90.24	90.14
TNX 18D	uw	Uw	uw	uw	uw	water@tp	water@tp	water@tp	water@tp	water@tp	water@tp
TNX 19D	uw	Uw	uw	uw	uw	89.94	89.57	89.72	89.88	89.58	89.52

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	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Oct-98	Nov-98
TNX 20D	uw	Uw	uw	uw	uw	90.27	89.91	90.17	90.12	89.87	89.77
TNX 21D	uw	Uw	uw	uw	uw	92.36	91.92	92.32	92.32	91.9	91.85
TNX 23D	99.71	100.56	102.07	101.55	100.69	99.11	98.15	97.92	97.78	97.39	96.64
TNX 24D	120.32	121.26	122.55	123.51	123.55	122.78	121.75	121.24	120.98	120.32	119.87
TNX 26D	95.75	96.26	96.01	96.42	95.62	93.94	93.38	93.88	94.16	93.08	93.03
TNX 27D	97.8	98.05	98.74	98.4	97.86	96.71	95.98	95.96	95.88	95.57	94.93
TNX 61D	uw	Uw	uw	uw	uw	87.3	dnm	dnm	dnm	85.65	dnm
TNX 61M	uw	Uw	uw	uw	uw	87.04	dnm	dnm	dnm	85.92	dnm
TNX 61S	uw	Uw	uw	uw	uw	86.88	dnm	dnm	dnm	86.88	dnm
TNX 65D	uw	Uw	uw	uw	uw	85.12	dnm	dnm	dnm	82.87	dnm
TNX 65M	uw	Uw	uw	uw	uw	85.63	dnm	dnm	dnm	84.04	dnm
TNX 65S	uw	Uw	uw	uw	uw	85.72	dnm	dnm	dnm	85.62	dnm
TNX 66D	uw	Uw	uw	uw	uw	87.47	dnm	dnm	dnm	84.38	dnm
TNX 66M	uw	Uw	uw	uw	uw	85.96	dnm	dnm	dnm	84.7	dnm
TNX 66S	uw	Uw	uw	uw	uw	86.45	dnm	dnm	dnm	86.46	dnm
TNX 72D	uw	Uw	uw	uw	uw	89.18	dnm	dnm	dnm	85.48	dnm
TNX 72M	uw	Uw	uw	uw	uw	86.62	dnm	dnm	dnm	85.45	dnm
TNX 72S	uw	Uw	uw	uw	uw	87.91	dnm	dnm	dnm	87.93	dnm
TRW 1	91.66	92.64	101.2	100.85	93.27	92.37	91.61	90.82	90.47	90.08	89.03
TRW 2	91.95	93.03	100.68	96.81	93.7	92.61	92.06	91.32	91.27	91.21	90.28
TRW 3	nr	Nr	101.86	101.35	100.64	dry	dry	dry	dry	dry	dry
TRW 4	nr	Nr	102.84	102.54	101.81	96.28	90.08	86.89	88.78	86.16	86.08
XSB 1A	98.05	98.84	100.6	100.24	99.11	97.9	96.04	96.66	96.76	96.23	95.57
XSB 1B	105.54	106.54	107	106.91	106.47	102.53	101.52	101.44	101.62	100.71	100.78
XSB 1D	98.02	99.03	101.24	101.05	99.64	98.39	97.46	97.11	96.91	96.59	95.84
XSB 2D	98.14	98.98	100.92	100.61	99.48	98.28	97.43	96.89	96.92	96.4	95.81
XSB 3A	98.63	99.64	101.25	101.35	100.37	99.23	98.26	97.92	97.74	97.37	96.61
XSB 4D	98.44	99.31	100.92	100.91	99.87	98.71	97.78	97.38	97.33	96.8	96.16
XSB 5A	98.04	98.8	99.92	99.54	98.75	97.84	96.85	96.83	95.62	96.17	95.7
YSB 1A	119.64	123.08	125.8	126.47	126.92	124.39	122.35	122.55	122.43	121.36	120.23
YSB 2A	121.48	124.41	127.31	127.93	127.47	125.68	124.46	123.59	123.76	122.26	121.01
YSB 3A	122.22	125.02	128.54	128.61	128.45	125.22	123.7	123.24	123.61	121.42	119.88
YSB 4A	119.86	122.58	125.36	126.03	125.89	124.05	122.24	121.91	122.03	120.64	119.55

**Notes:**

- N/A - No samples taken
- Uw - Well almost underwater, river too high
- Capped - Well was capped
- Dry - Well was dry.
- DNM - Did not measure
- Nr - Not Running
- Water@tp - Water at top of casing
- Trans - Transducer in well, no way to measure