WSRC-RP-98-4000

1997 Comprehensive TNX Area Annual Groundwater and Effectiveness Monitoring Report

by

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Exploration Resources

DOE Contract No. DE-AC09-96SR18500

1997 COMPREHENSIVE TNX AREA ANNUAL GROUNDWATER AND EFFECTIVENESS MONITORING REPORT (U)

1997 ANNUAL REPORT

Publication Date: April 1998

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Controlled Nuclear Information

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List of Abbreviations

ARW	airlift recirculation well
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CVOC	chlorinated volatile organic compound
DOE	Department of Energy
DWPF	Defense Waste Processing Facility
EMS	Addendum to the Environmental Monitoring Strategy (for TNX Area)
EPA	Environmental Protection Agency
EPD/EMS	Environmental Protection Department/Environmental Monitoring Section
GIMS	Geochemical Information Management System
IROD	Interim Record of Decision
LDRR	Laboratory Data Records Review
NPDES	National Pollutant Discharge Elimination System
PDWS	Primary Drinking Water Standard(s)
RCRA	Resource Conservation and Recovery Act
SCDHEC	South Carolina Department of Health and Environmental Control
SRS	Savannah River Site
TCE	trichloroethylene
µg/L	micrograms per liter
WSRC	Westinghouse Savannah River Company

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DISCLAIMER

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. In November 1994, an Interim Record of Decision (IROD) was agreed to and signed by the U. S. Department of Energy (DOE), the Environmental Protection Agency (EPA), and the South Carolina Department of Health & Environmental Control (SCDHEC). The Interim Record of Decision requires the 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, purge water management facility, air stripper, and an airlift recirculation well. The recirculation well was dropped pursuant to a test that indicated it 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. As of December 31, 1997, the system has treated 32 million gallons of contaminated groundwater and removed 32 pounds of TCE. The recovery well network created a "capture zone" that stabilized the plume of contaminated groundwater.

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

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Introduction

The TNX Area, located in the southwest part of 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 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 such as trichloroethylene, carbon tetrachloride, and tetrachloroethylene (perchloroethylene). The Interim Action for the TNX Area is designed to capture or contain groundwater with contaminant concentrations in excess of 500 µg/L and reduce the mass of the contamination. The Interim Action includes a recovery well network and an air stripper.

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

The Interim Action (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 measure identifiable changes in contaminant concentrations in the monitoring and recovery wells throughout the area. These changes are reported as specific concentrations in specific wells, as trends in time-series plots for indicator constituents, and as changes in the areal extent of the 500-µg/L plume of trichloroethylene. In addition, changes in water elevations in monitoring wells and piezometers throughout the site are examined as an indicator of plume containment.

Organization of This Report

This report presents the data collected during 1997 in support of the Interim Action and illustrates the effectiveness of the action in plume containment and contaminant reduction.

The text of the report includes the objectives of the Interim Action; a description of the site, including the operating and regulatory history of TNX-Area waste units and a brief description of the site hydrogeology; a discussion of the methods selected for site remediation; discussions of 1997 sampling events and analytical results; and a summary of system operation and maintenance during 1997.

Maps in this report illustrate the location of SRS and TNX, 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 1997, the water elevation differences during that time period, and the horizontal extent of trichloroethylene during fourth quarter 1997 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 1997 are provided in the *Analytical Results* section of this report, as are the analyses from the TRW wells that exceeded the PDWS.

The introduction to Appendix B 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 a description of each well used for monitoring the effectiveness of the Interim Action appear in Tables B-1–B-3.

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 EPA-approved holding times during fourth quarter 1997. 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 1997. For these wells, the analyses that received modifiers or that exceeded the EPA-approved holding times for May, August, or December 1997 are listed in the table. Table B-4 presents the field data results for the secondary wells for each quarter during 1997.

Tables B-5 through B-10 present water elevations for TNX-Area wells as measured by SRTC that are not present in the Geochemical Information Management System (GIMS) database. Appendix C gives a general assessment of the quality and usability of the data provided by EPD/EMS.

Appendix D contains hydrographs for TNX-Area wells. The hydrographs contain the SRTC measurements from Tables B-5 through B-10 as well as those recorded by Westinghouse Savannah River Company (WSRC)'s Environmental Protection Department/Environmental Monitoring Section (EPD/EMS). Appendix E contains time-series plots showing time vs concentration for carbon tetrachloride, nitrate-nitrite, tetrachloroethylene, and trichloroethylene.

Objectives of the Interim Action

The initial proposal and Interim Record of Decision (WSRC 1994b) for achievement of the Interim Action goals at TNX was for a hybrid groundwater corrective action, which consisted of a recovery well network, low-profile air stripper, purge-water management system, 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 of the Interim Action at TNX are to

- stabilize the plume of 500-µg/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 seepline, and
- reduce potential risk to human health and the environment in general.

The monitoring program assesses the effectiveness of the Interim Action by measuring changes in contaminant concentrations in the primary monitoring and recovery wells identified in the Effectiveness Monitoring Strategy (EMS) (WSRC 1997b). These changes are reported here as specific concentrations in specific wells and as time-series plots for the primary wells. In addition, water-elevation changes for the TNX Area are illustrated in the maps in this report and the hydrographs 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 chlorinated volatile organic compounds 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.

Site Description

The following description outlines important historical and regulatory events in the TNX Area.

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 the TNX Area earlier that year. The debris included conduit, 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-in. pipe connected the inlet section of the basin to the seepage section, and a similar size pipe carried overflow into the adjacent floodplain during periods of unusually high flow and precipitation to the basin. The Old TNX Seepage Basin received process waste water 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, and other heavy metals, sodium compounds, and 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 backfilled 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 the DWPF and the chemical separations areas. The waste included simulated nonradioactive DWPF sludge; simulated, nonradioactive 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 Basin to ensure that no hazardous waste was discharged into the basin. During periods of unusually high discharges, 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.

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 2–6 ft 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 interim-action proposed plan for the TNX-Area Operable Unit was submitted to the EPA and 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).
- In November 1994, an interim-action record of decision for the TNX Groundwater Operable Unit was authorized by EPA, SCDHEC, and DOE (WSRC 1994b). Interim Action 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 published in November 1995. The objectives of the investigation were to determine the nature and extent of hazardous substance releases from the unit, prepare human health and ecological risk assessments, collect data to aid in refining the extent of hazardous substance migration in the groundwater beneath the TNX Area, and prepare a corrective measures study/feasibility study 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 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).

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; see 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 ft/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.

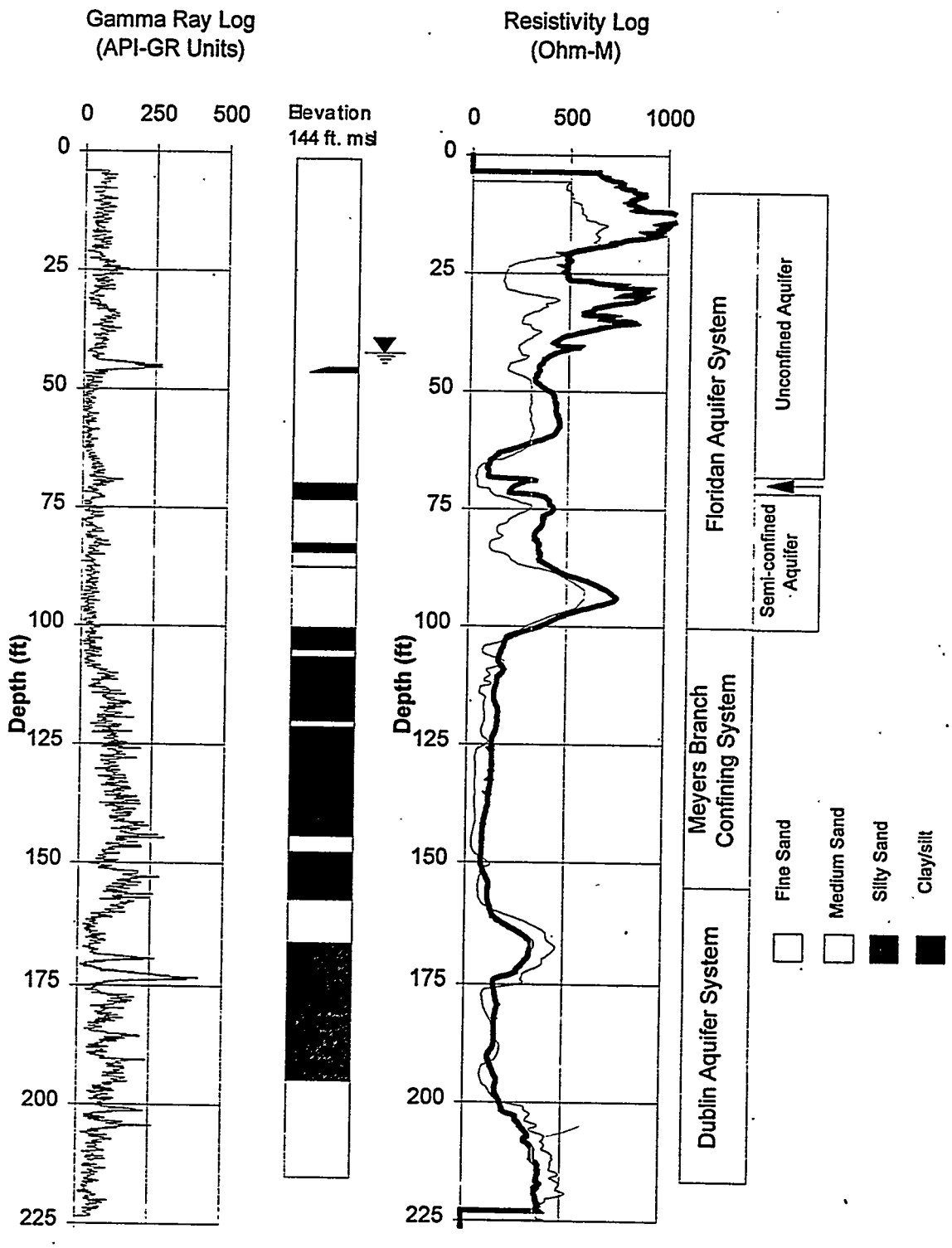
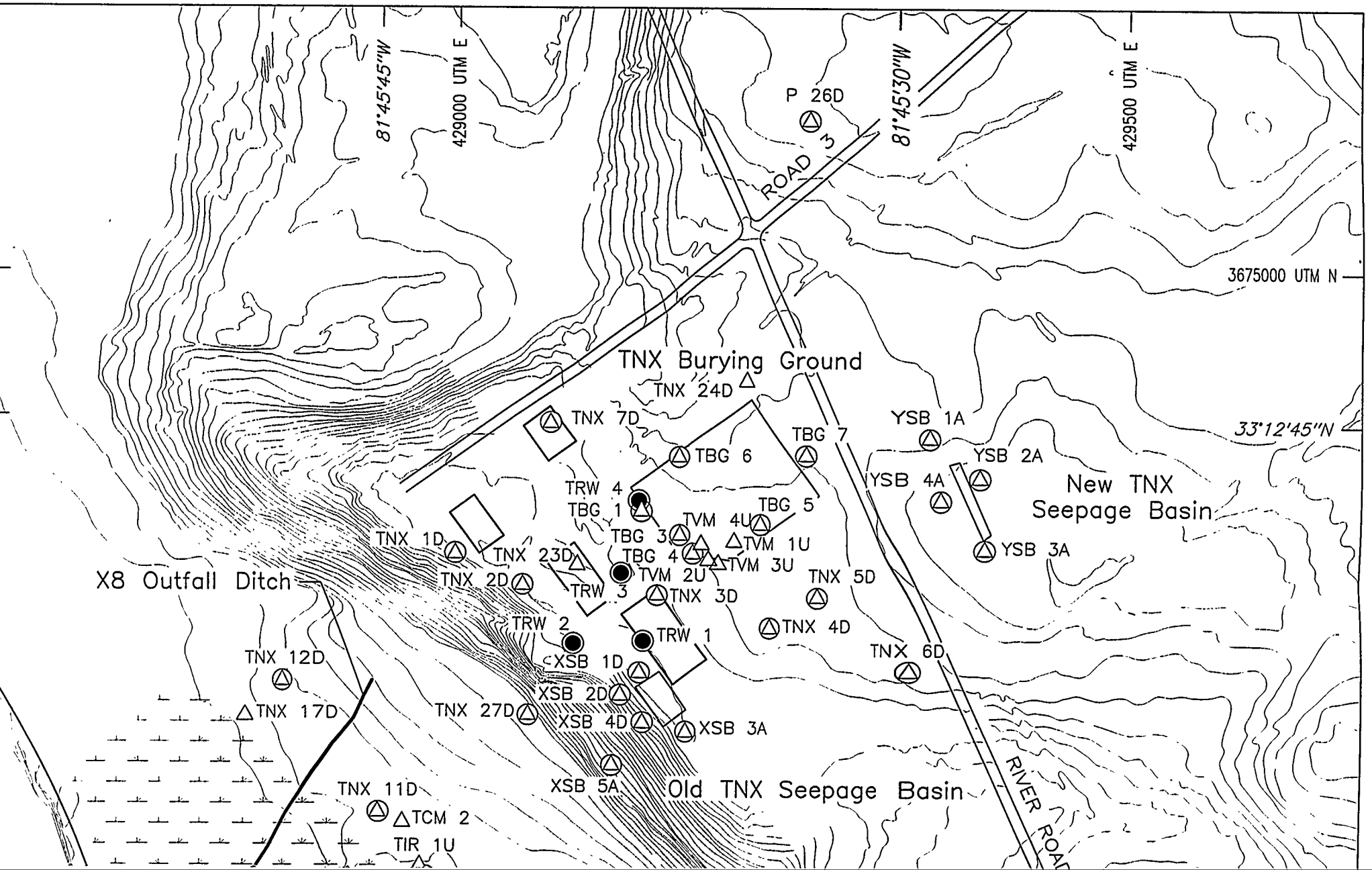
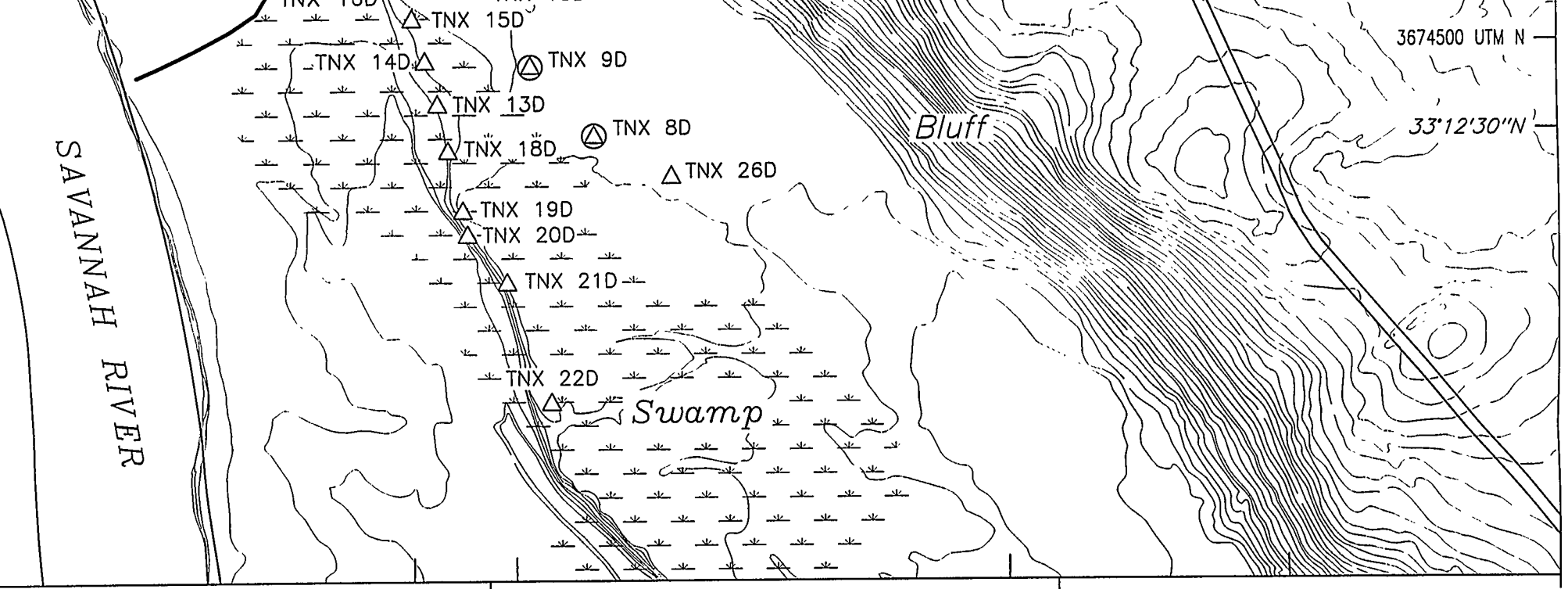


Figure 2. Logs from Soil Boring SB-1 at TNX


81°45'45"W
429000 UTM E
81°45'30"W
429500 UTM E
P 26D
ROAD 3
3675000 UTM N
TNX Burying Ground
TNX 24D
TNX 7D
TBG 6
TBG 7
YSB 1A
33°12'45"N
YSB 2A
YSB 4A
New TNX
Seepage Basin
YSB 3A
TRW 4
TBG 1
TBG 5
TVM 4U
TBG 3
TVM 1U
TBG 4
TVM 3U
TVM 2U
TNX 1D
TNX 23D
TNX 2D
TRW 3
TNX 3D
TNX 5D
X8 Outfall Ditch
TRW 2
TRW 1
TNX 4D
TNX 6D
TNX 12D
XSB 1D
XSB 2D
TNX 17D
TNX 27D
XSB 4D
XSB 3A
XSB 5A
Old TNX Seepage Basin
TNX 11D
TCM 2
TIR 1U
RIVER ROAD



TNX AREA
Monitoring and Recovery
Well Locations
Unconfined Aquifer
1997

epared by: KMD Approved by: LZT

Date: 3-9-98 Date: 4-10-98

Notes

Scale in feet

500 0 500

Scale in meters

150 0 150

North

Legend

TNX 26D — Monitoring well

TNX 8D — Monitoring well that is part of the EMS

TRW 1 — Recovery well that is part of the EMS

igure 3. Location of the Groundwater Monitoring and Recovery Wells in the Unconfined Aquifer at the TNX Area

Interim Action

The TNX-Area Interim Action consists of an ex-situ system of four recovery wells pumping groundwater from the downgradient edge of the initial 500-µg/L trichloroethylene plume to an above-ground air stripper for removal of volatile organic constituents. Purge water generated during sampling of TNX-Area wells can also be treated at the stripper.

An in-situ treatment system using airlift recirculation well VRW 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 Interim Action.

Recovery Well Network

The recovery well network is intended to stop the migration of contaminated groundwater containing more than 500 µg/L TCE and to remove dissolved TCE from the plume core. Recovery wells TRW 1, 2, 3, and 4 are used to pump contaminated water from the unconfined aquifer. This pumping produces cones of depression on the water table that surround each recovery well (Figure 3). 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 µg/L TCE) from migrating any farther downgradient and into the Savannah River floodplain. An air stripper is used to treat the contaminated groundwater that is collected during operation of the recovery well network and purge water that is generated during the sampling of monitoring wells.

On March 14, 1997, recovery wells TRW 1, 2, 3, 4, and groundwater monitoring well TBG 1 were included in a pumping test coinciding with the restart of the TNX recovery well network. Well TBG 1 was equipped with pressure transducer and data logging devices to monitor water level changes resulting from both natural causes and from the TNX recovery well operation. Recovery well pumping commenced at 71.1 gpm, with intermittent reductions to a cumulative flow of 60.5 gpm.

Water-level data and drawdown data collected during the March 14, 1997, test of wells TRW 1, 2, 3, and 4 and TBG 1 were analyzed by means of type curve matching for unsteady radial flow models in unconfined aquifers. The model allowed inclusion of effects such as multiple pumping wells, partial penetration of wells into saturated zones, and variations in the pumping rate. Analysis of the water-level changes in monitoring well TBG 1 closely match the predicted Neuman solution for flow in an unconfined aquifer. The unconfined aquifer is anisotropic and heterogeneous; the conductivity constant (K_r) in the area of TBG 1 (0.02 ft/min) is typical of a fine sand or a more silty sand, and is less than that in the medium to course sand described previously. Well yields in the area of TBG 1 will therefore be somewhat decreased (WSRC 1997c). Vertical hydraulic conductivity (K_v= 5.85E-04 ft/min) was also lower than that expected from previously published reports. The horizontal stratification beneath the TNX Area suggests the decrease in conductivity resulting from the increased silt content of the sediments will affect K_v more than K_r.

In-Situ Stripping Program

After the airlift recirculation well (ARW) demonstration/evaluation, an Operations and Maintenance plan for the recirculation well was to be prepared following evaluation of the system. It was to include the sampling and analysis plan for an effectiveness monitoring strategy. SRTC conducted the testing of the ARW, and ERD was to perform start-up operations.

Recirculation well TVR 1A was subjected to a pumping test on April 4, 1996. Wells TVM 2M, , 3M, and 3L acted as monitoring wells during this event. Following the test, water levels and

associated drawdowns were analyzed using Hantush type modeling curves for unsteady flow in leaky aquifers. The model allowed inclusion of effects such as multiple pumping wells, partial penetration of wells into saturated zones, and variations in the pumping rate. The presence of a 1-ft thick silty sand layer 10 ft above the top of the lower screen (at 57 ft) for well TVR 1A necessitated the use of this model. This silty sand creates a localized semiconfined zone in the vicinity of this ARW. Studies of cores from surrounding wells indicates this condition does not persist throughout the TNX Area. The horizontal hydraulic conductivity for this local, semi-confined aquifer approximates that previously reported for the TNX Area and represents a medium to coarse grained sand. Vertical hydraulic conductivity for the local semiconfining layer is typical of a silty sand. This test produced no noticeable drawdown in the sandy zone above the semiconfined aquifer. No drawdown was observed in the sandy zone above the local semi-confining zone.

Methods

Sampling Procedures

The sampling procedure for pumped wells (in WSRC's Hydrogeologic Data Collection Procedures and Specifications Manual) 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 successive measurements, taken within a given time period, are within a specified tolerance range. If a well pumps dry before two well volumes are purged or before stabilization is 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 observed for samples from wells with variable-speed pumps.

The following wells were sampled using hand-held submersible pumps during first and second quarter 1997: TNX 10D, 13D–22D, and 26D. Wells TNX 10D, 15D, and 16D were sampled with hand-held submersible pumps during third quarter. No TNX-Area wells were sampled with hand-held pumps during fourth quarter.

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. Due to funding constraints, the SRTC measurements were not taken during 1996, so EPD/EMS sampling-event measurements were used to construct the water-table map for third quarter 1996. SRTC synchronous measurements were used for the fourth quarter 1997 water-table map. Hydrographs in Appendix D contain both sets of measurements. The EPD/EMS measurements are recorded in the GIMS database, as are all the analytical data. The SRTC measurements for fourth quarter 1997 may be found in Table B-9 of this report.

Purge water from TNX-Area wells containing elevated levels of contaminants is disposed of in the purge-water management system on the stripper.

Data Validation and Verification

Sample collection, shipping, and analytical information compiled for the project are 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.

Each analytical record in the computer data files contains three qualifier fields: result qualifier, analysis qualifier, and bias qualifier. The result qualifier describes the analytical result. The analysis qualifier describes issues arising during the analytical process. The bias qualifier describes whether the result is biased high or low. The laboratories use these fields in reporting the analytical data. During validation and verification of the analytical data, additional qualifiers may be applied to provide additional information about data quality.

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

Process and Documentation

Sample documentation and maintenance of chain of custody 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 EPA-published maximum holding times. Samples that exceeded holding time are marked in the data tables (Appendix B) with a large dot in the column headed H. 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, EPA, and DOE are detailed in the EPD/EMS quarterly groundwater monitoring reports.

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 program (see Appendix C). Also, as part of their quality assurance procedures, the laboratories duplicate certain analyses.

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

Sampling Events

Analyses Scheduled

During 1997, groundwater samples from TNX-Area wells were analyzed according to the sampling and analysis plan in the Addendum to the EMS, 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 EMS Addendum were collected quarterly from the primary wells and monthly from the recovery wells. A full Appendix IX set of analyses was collected during third quarter from the primary wells. The secondary wells were sampled quarterly for field parameters.

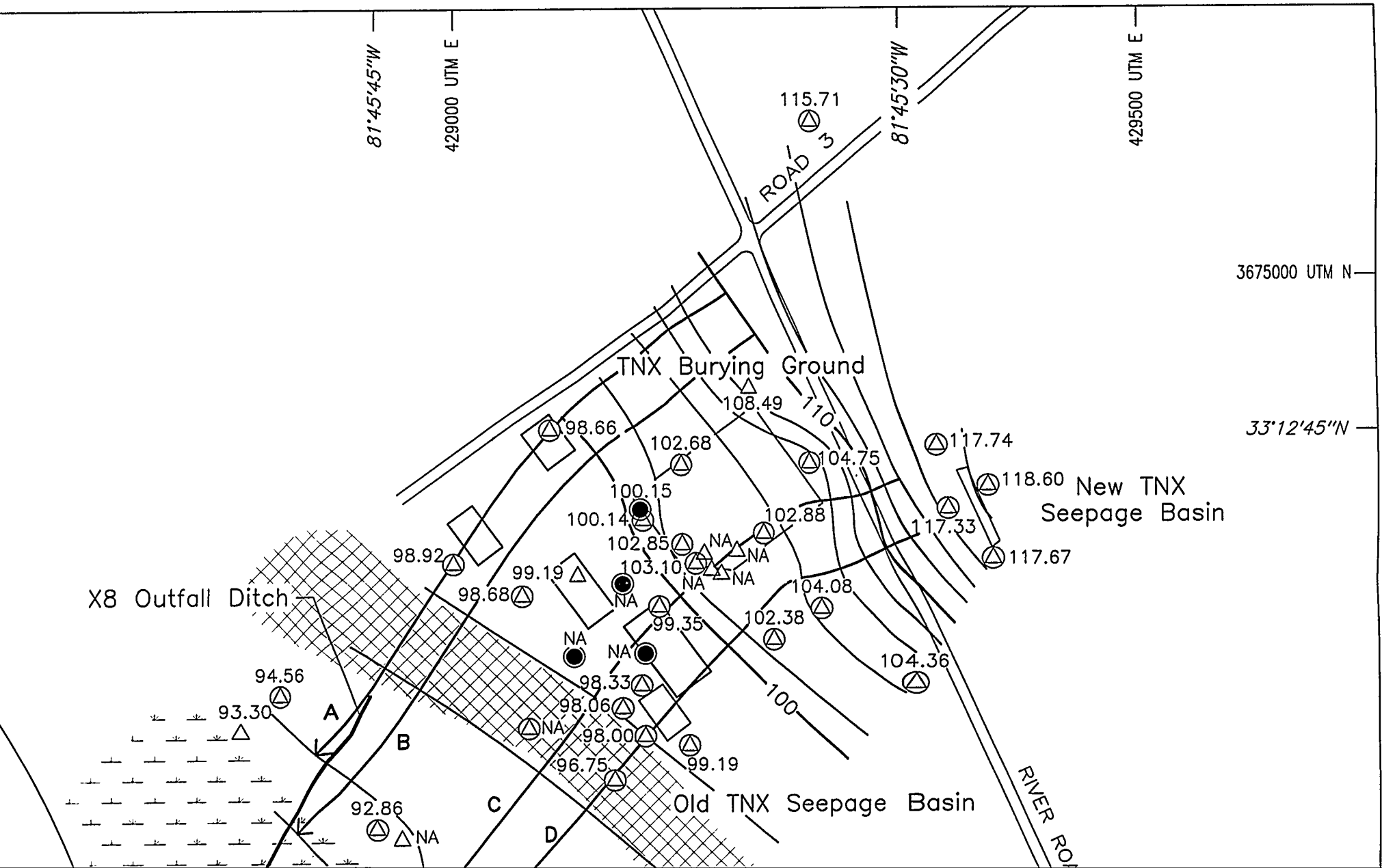
In addition, the wells were monitored, as requested, for other constituents as part of the SRS Groundwater Monitoring Program and for other investigations being conducted at the site. These results may be found in the EPD/EMS quarterly comprehensive groundwater monitoring reports.

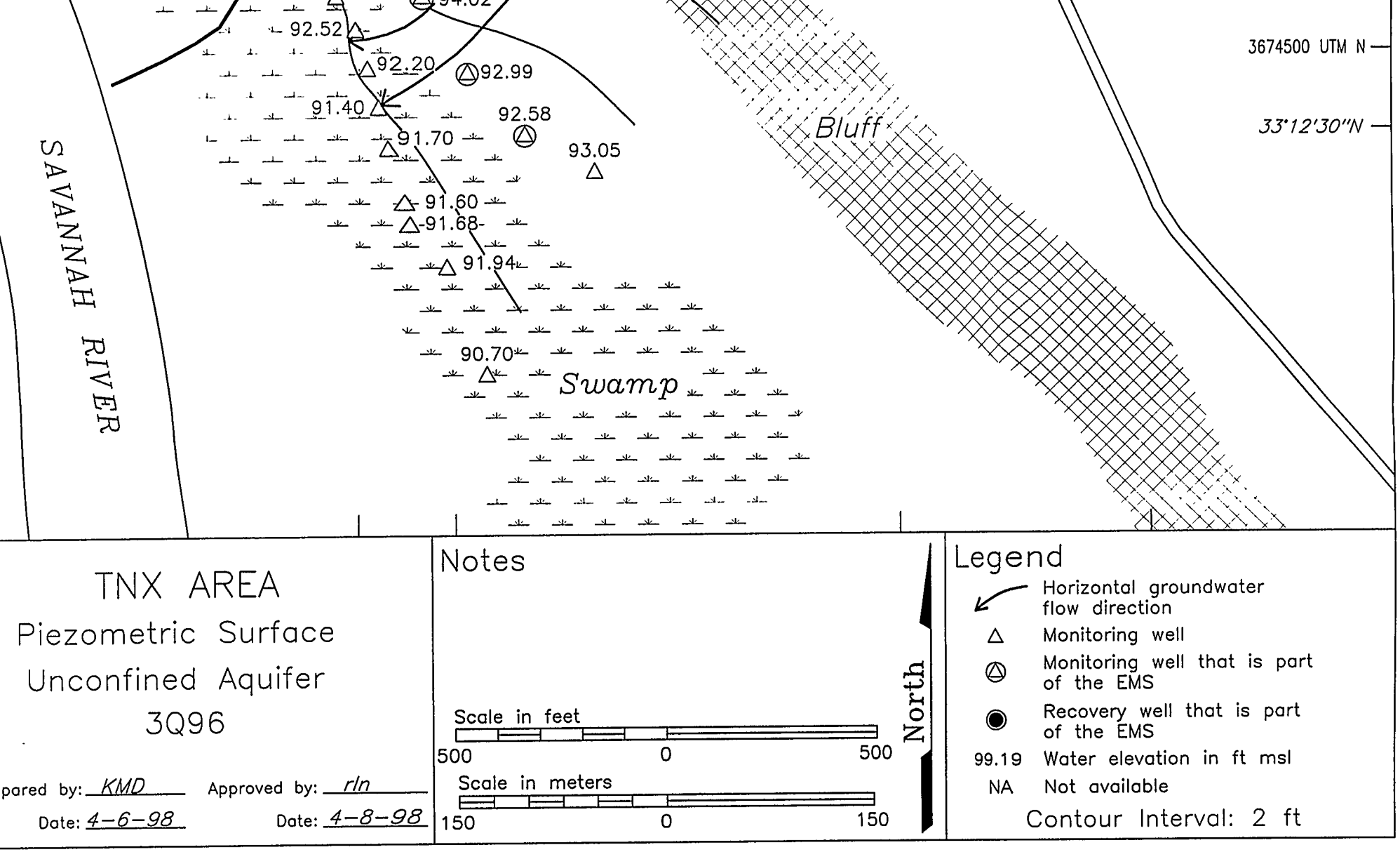
The groundwater samples are unfiltered; therefore, the results for metals are for total recoverable metals.

The Well Network

The background, assessment, recovery, and groundwater monitoring well network at the TNX Area (Figure 3) has 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.
- Seepline 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 wells 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.


81°45'45"W
429000 UTM E
81°45'30"W
429500 UTM E
3675000 UTM N
33°12'45"N
ROAD 3
115.71
TNX Burying Ground
108.49
110
98.66
102.68
104.75
117.74
118.60
New TNX
Seepage Basin
100.15
100.14
102.85
102.88
117.33
117.67
98.92
99.19
103.10
NA
98.68
X8 Outfall Ditch
104.08
99.35
102.38
104.36
94.56
93.30
A
98.33
98.06
98.00
96.75
99.19
100
B
C
D
92.86
Old TNX Seepage Basin
RIVER



TNX AREA
Piezometric Surface
Unconfined Aquifer
3Q96

Prepared by: KMD Approved by: rln
Date: 4-6-98 Date: 4-8-98

Notes

Scale in feet
500 0 500

Scale in meters
150 0 150

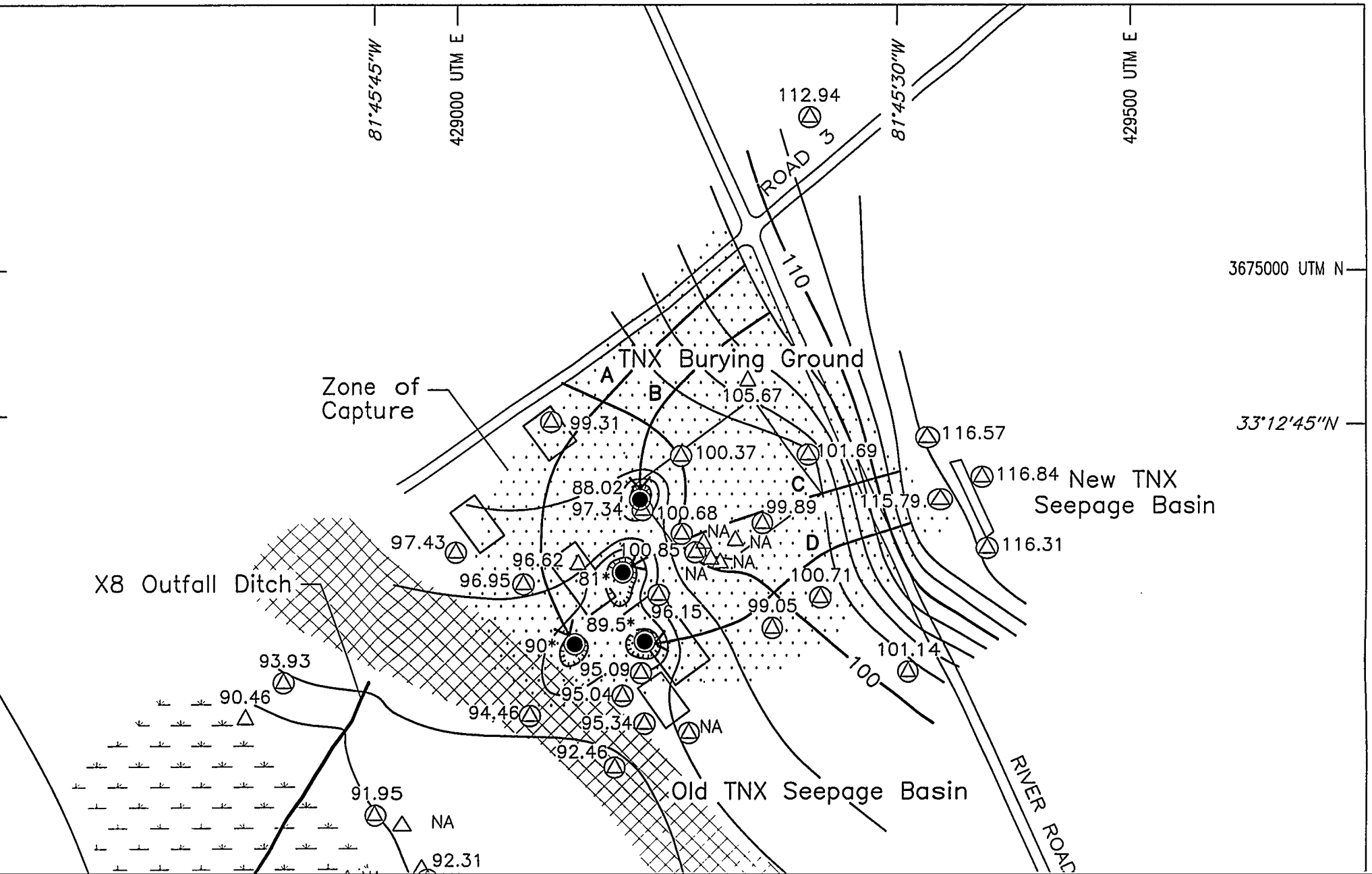
North

Legend

- Horizontal groundwater flow direction
- △ Monitoring well
- ⊙ Monitoring well that is part of the EMS
- ◉ Recovery well that is part of the EMS
- 99.19 Water elevation in ft msl
- NA Not available

Contour Interval: 2 ft

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


81°45'45"W
429000 UTM E
81°45'30"W
429500 UTM E
3675000 UTM N
33°12'45"N
ROAD 3
112.94
110
TNX Burying Ground
A
B
C
D
Zone of Capture
105.67
99.31
100.37
101.69
116.57
116.84
New TNX Seepage Basin
88.02
97.34
100.68
99.89
115.79
116.31
97.43
NA
NA
NA
NA
100.85
96.62
96.95
X8 Outfall Ditch
81*
100.71
96.15
99.05
89.5*
90*
101.14
93.93
95.09
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94.46
95.34
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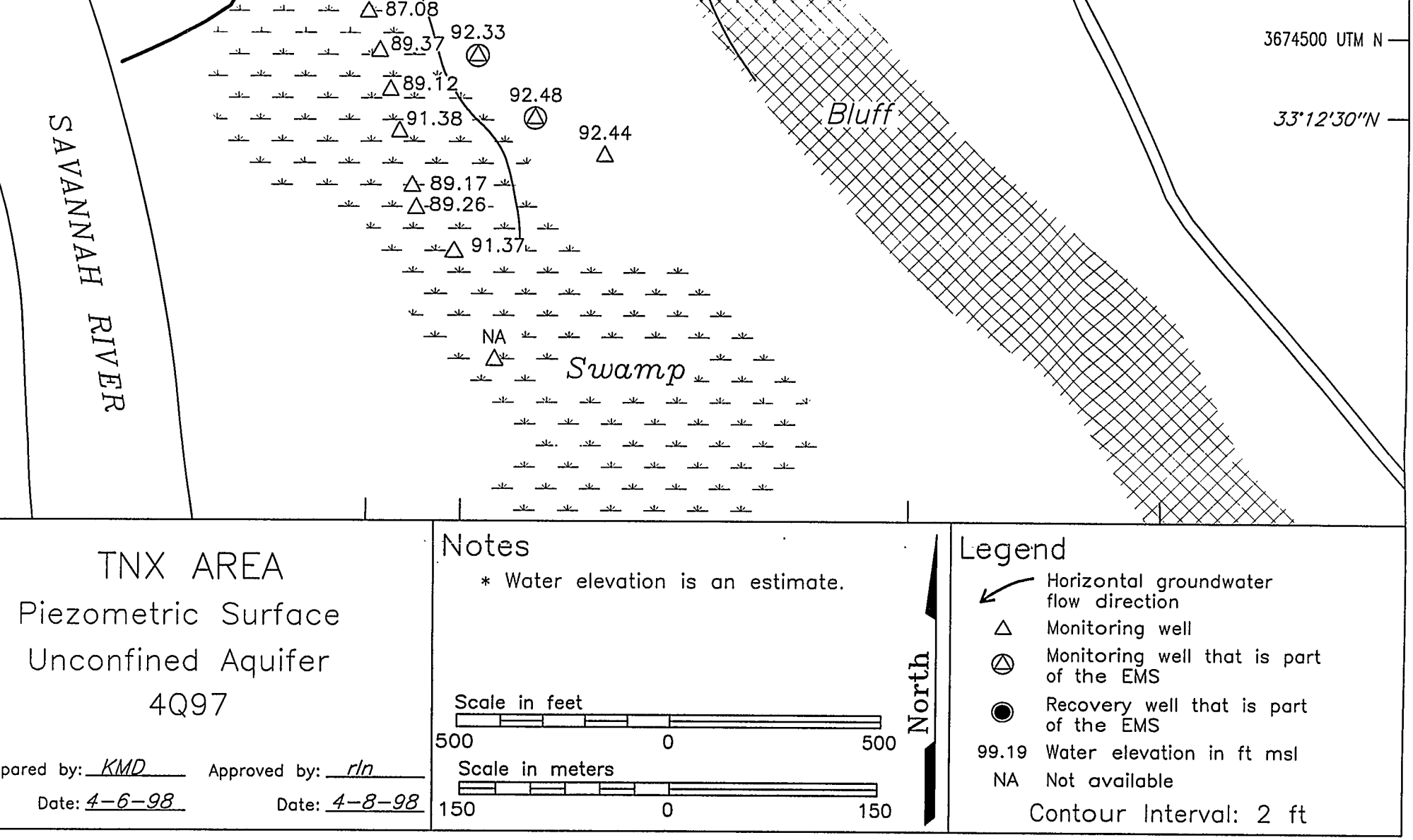
92.46
Old TNX Seepage Basin
RIVER ROAD
91.95
NA
92.31



TNX AREA
Piezometric Surface
Unconfined Aquifer
4Q97

Prepared by: KMD Approved by: rln
Date: 4-6-98 Date: 4-8-98

Notes
* Water elevation is an estimate.

Scale in feet
500 0 500

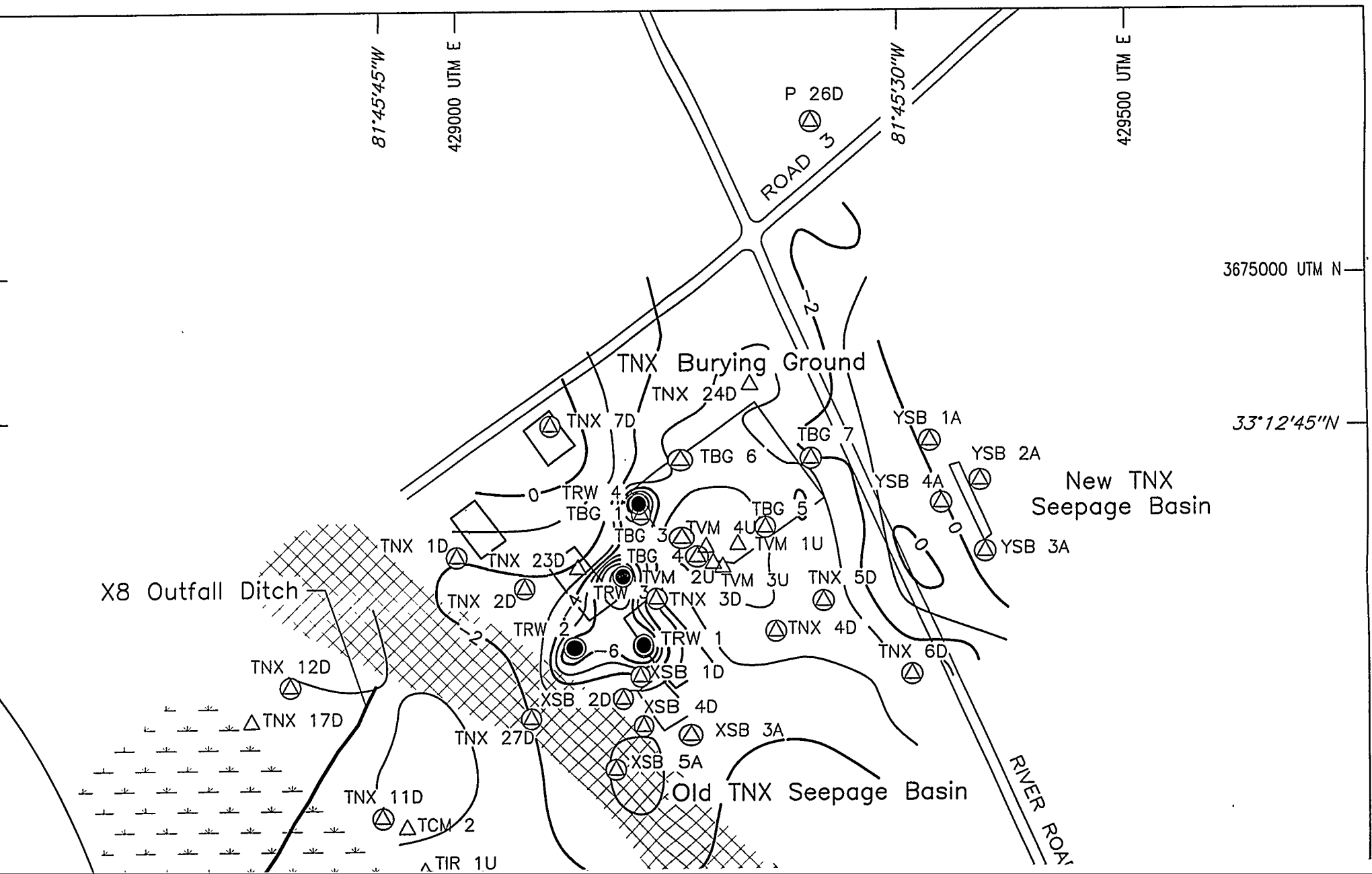
Scale in meters
150 0 150

North

Legend
- Horizontal groundwater flow direction
- △ Monitoring well
- ⊙ Monitoring well that is part of the EMS
- ◉ Recovery well that is part of the EMS
- 99.19 Water elevation in ft msl
- NA Not available

Contour Interval: 2 ft

igure 5. Water–Table Map of the Unconfined Aquifer at the TNX Area, October 1997


81°45'45"W
429000 UTM E
81°45'30"W
429500 UTM E
3675000 UTM N
33°12'45"N
P 26D
ROAD 3
TNX Burying Ground
TNX 24D
TNX 7D
TBG 6
TBG 7
YSB 1A
YSB 2A
YSB 4A
YSB 3A
New TNX
Seepage Basin
TRW 4
TBG 1
TBG 5
TBG 3
TVM 4U
TVM 1U
TBG 4
TVM 2U
TVM 3U
TRW 3
TNX 3D
TNX 5D
TNX 4D
TNX 6D
TRW 2
TRW 1
XSB 1D
XSB 2D
XSB 4D
XSB 3A
XSB 5A
TNX 1D
TNX 23D
TNX 2D
X8 Outfall Ditch
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TNX 27D
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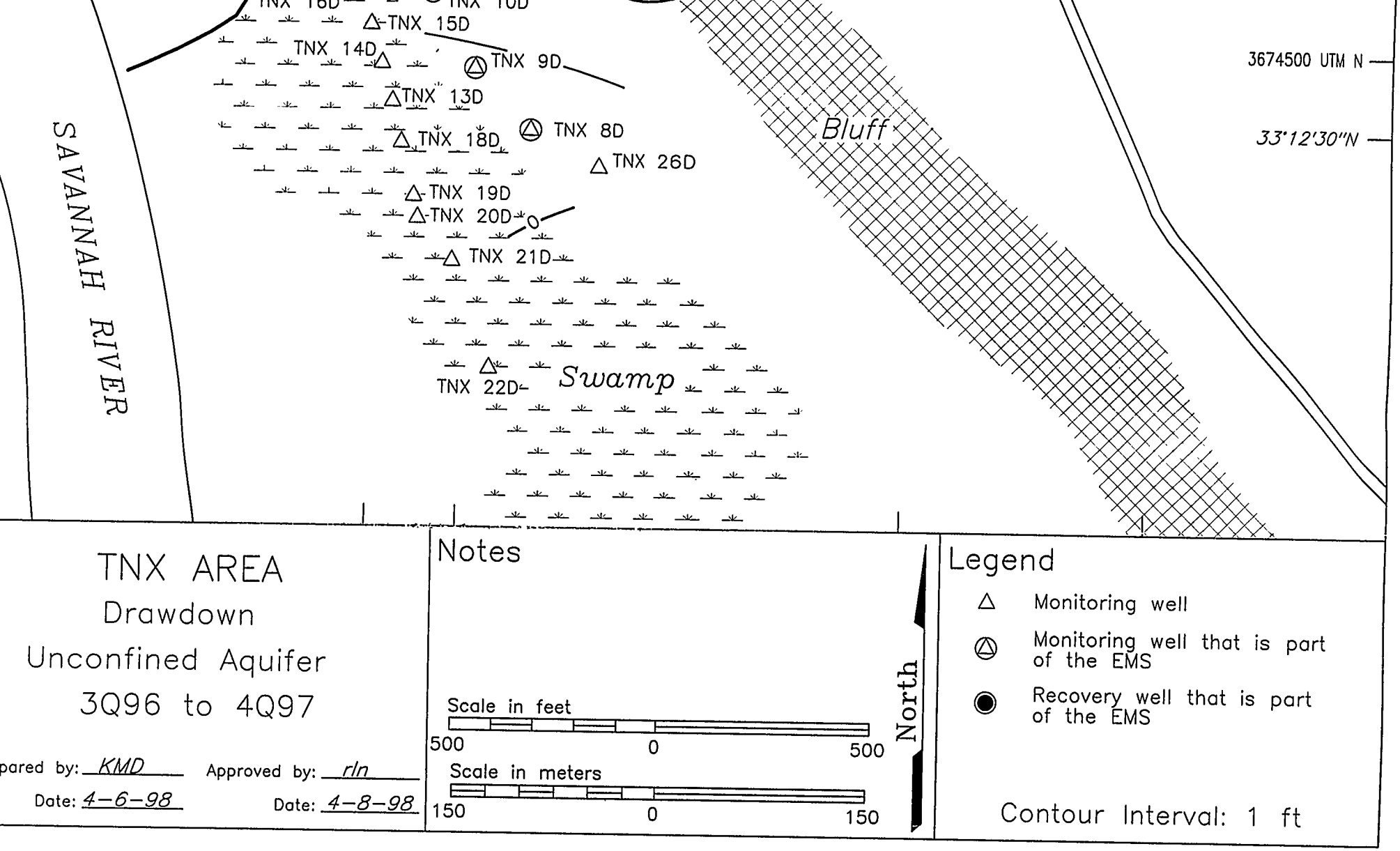
TCM 2
TIR 1U
Old TNX Seepage Basin
RIVER ROAD
0
2
6



gure 6. Change in Water Table During the First Year of Operation

- The TNX-Area network used to assess the Interim Action includes the 39 wells identified as primary, secondary, and recovery wells in the *Analyses Scheduled* section above. In Table 2 of the EMS Addendum, well XSB 5A is listed as "to be abandoned," but it was successfully sampled during second through fourth quarters 1997.

Screen zone assignments for the wells in the TNX-Area network are described in the EMS as follows:

- Unconfined (Upper Three Runs) 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 (Gordon) 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 1A, 2A, 3A, and 4A.

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 11 of this report. This information will be used to evaluate the effectiveness of the recovery well network.

The hydrogeology in TNX Area may be evaluated using Figures 4 and 5 to determine groundwater flow rates and directions and using precipitation data, hydrographs, and the water-elevation difference map (Figure 6) 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 1997 using synchronous water elevations measured by SRTC on October 20, 1997. The EPD/EMS measurements are recorded in the GIMS database, as are all the analytical data. The SRTC measurements for fourth quarter 1997 may be found in Table B-9 of this report.

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 October 1997, respectively. Figure 6 illustrates the drawdown that occurred during that time. The maps are oriented to true north using universal transverse Mercator (UTM) coordinates.

During 1997 the horizontal groundwater flow in the unconfined aquifer beneath the TNX Area changed compared to previous years. In 1997, as previously, the horizontal flow in the eastern section of the area was to the southwest. Previously, the water continued to the southwest toward the Savannah River Swamp. In 1997, 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.

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 4 years. Monthly rainfall was within the normal range for most of 1997. Rainfall during fourth quarter 1997 was above normal, as indicated in Figure 7, and produced a general rise in the water table throughout the area. See also the hydrographs in Appendix D.

Purging and Sampling Problems

Tables B-1, B-2, and B-3 (Appendix B) list the number of well volumes purged from each well during each quarter of 1997. The *Key to Reading the Tables* in Appendix B defines the sampling codes that describe unusual sampling events.

The wells in Table 2 were scheduled but not sampled during 1997.

The following wells had flowmeter problems during 1997, so the volume purged was estimated:

First quarter 1997—P 26A, 26B, 26D; TBG 5, 6; XSB 3A

Second quarter 1997—P 26A, 26B, 26D; TBG 6

Third quarter 1997—P 26A and 26B; TBG 6; YSB 2A and 3A

Fourth quarter 1997—P 26A, B, and D

It has not been possible to obtain water-level measurements from TRW wells when they were running; they will be modified during 1998 to permit the taking of such measurements.

Table 1. Rainfall (in.) at 400-D, 1994–1997

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

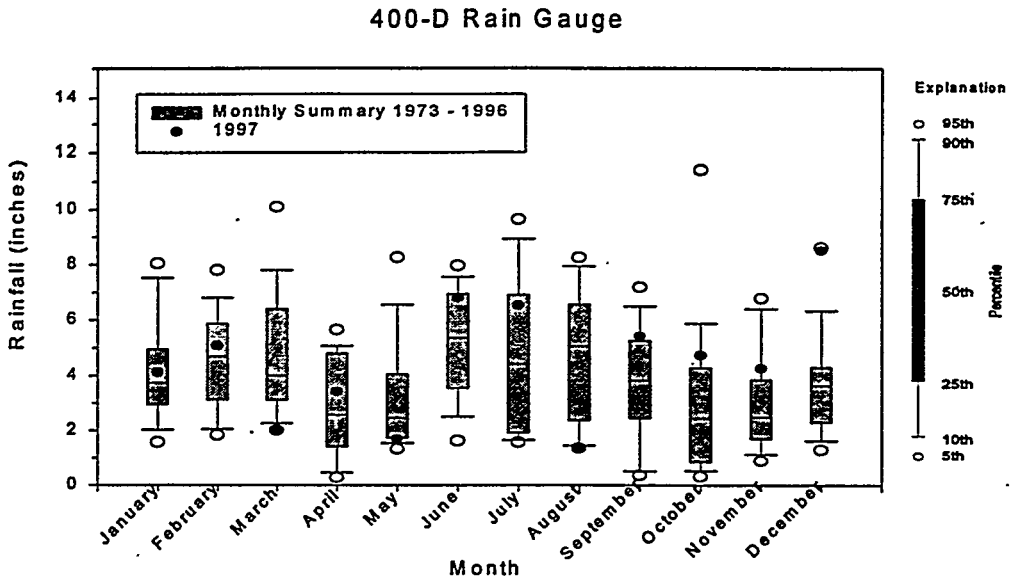


Figure 7. Summary of Historic (1973–1996) Rainfall Data for D Area and 1997 Rainfall Data for D Area

Table 2. Wells Not Sampled During 1997

Well Name	*Sampling Period*	*Reason*
TNX 10D	Fourth Quarter (12/22/97)	Pump has been removed.
TRW 1	February (2/28/97)	Not running
	November 1997	Not running*
TRW 2	February (2/28/97)	Not running
	November 1997	Not running*
TRW 3	February (2/28/97)	Not running
	November 1997	Not running*
	December (12/30/97)	Not running
TRW 4	February (2/28/97)	Not running
	November 1997	Not running*
	December (12/31/97)	Not running
XSB 5A	First Quarter (3/24/97)	Pump was inoperable.

*During November, the recovery wells were not running during the week the samplers were scheduled to visit the wells. The samplers did not report the specific date.

Analytical Results

Maximum results for analytes that equaled or exceeded the final PDWS or Groundwater Protection Standard (Table A-1 in Appendix A) in sampled wells during 1997 are provided in Table 3 for primary wells and Table 4 for recovery wells.

Table 3. Constituents Exceeding Applicable Standards in Primary Wells

Well	Constituent	Unit	1Q97	2Q97	3Q97	4Q97
TBG 1	Carbon tetrachloride	µg/L	13	10	–	8.6
	Gross alpha	pCi/L	–	1.6E+01	–	2.0E+01
	Nitrate-nitrite as nitrogen	µg/L	14,000	12,000	–	–
	Trichloroethylene	µg/L	27	–	11	12
TBG 3	Beryllium*	µg/L	NA	NA	4.2	NA
	Carbon tetrachloride	µg/L	240	160	180	140
	Gross alpha	pCi/L	–	1.8E+01	1.7E+01	1.6E+01
	Nitrate-nitrite as nitrogen	µg/L	17,000	19,000	16,000	15,000
	Tetrachloroethylene	µg/L	7.9	5.6	–	–
	Trichloroethylene	µg/L	340	260	240	220
TBG 4	Beryllium*	µg/L	NA	NA	4.5	NA
	Carbon tetrachloride	µg/L	200	180	220	140
	Gross alpha	pCi/L	2.7E+01	3.6E+01	3.7E+01	2.8E+01
	Lead	µg/L	–	–	–	120
	Mercury	µg/L	–	2.4	2.8	3.7
	Nitrate-nitrite as nitrogen	µg/L	26,000	31,000	30,000	32,000
	Tetrachloroethylene	µg/L	27	24	26	16
	Thallium*	µg/L	NA	NA	6.7	NA
	Trichloroethylene	µg/L	360	330	400	260
TBG 5	Thallium*	µg/L	NA	NA	7.5	NA
	Trichloroethylene	µg/L	1,200	1,500	1,800	1,400
TBG 6	Carbon tetrachloride	µg/L	11	14	24	18
	Nitrate-nitrite as nitrogen	µg/L	–	10,000	13,000	11,000
	Trichloroethylene	µg/L	1,700	1,400	120	62
TNX 1D	Mercury	µg/L	–	2.3	–	–
TNX 3D	Carbon tetrachloride	µg/L	36	58	48	21
	Mercury	µg/L	–	–	–	2.0
	Nitrate-nitrite as nitrogen	µg/L	17,000	11,000	–	–
	Tetrachloroethylene	µg/L	14	9.1	8.8	9.6
	Trichloroethylene	µg/L	140	120	92	59
TNX 4D	Carbon tetrachloride	µg/L	5.0	–	–	–
	Nitrate-nitrite as nitrogen	µg/L	12,000	–	–	–
TNX 7D	Lead	µg/L	–	60	–	–
TNX 8D	Trichloroethylene	µg/L	–	–	–	5.3

Table 3. Constituents Exceeding Applicable Standards in Primary Wells, cont.

Well	Constituent	Unit	1Q97	2Q97	3Q97	4Q97
TNX 10D	Nitrate-nitrite as nitrogen	µg/L	–	13,000	14,000	NA
	Thallium*	µg/L	NA	NA	6.4	NA
	Trichloroethylene	µg/L	28	39	51	NA
TNX 11D	Bis(2-ethylhexyl) phthalate*	µg/L	NA	NA	18	NA
	Trichloroethylene	µg/L	11	5.2	6.8	–
TNX 27D	Carbon tetrachloride	µg/L	–	14.1	27.7	–
	Trichloroethylene	µg/L	–	159	554	–
XSB 1D	Lead	µg/L	–	75	–	–
	Nitrate-nitrite as nitrogen	µg/L	13,000	–	–	–
	Trichloroethylene	µg/L	120	12	9.2	5.5
XSB 1A	Thallium*	µg/L	NA	NA	6.9	NA
XSB 1B	Thallium*	µg/L	NA	NA	6.5	NA
XSB 2D	Carbon tetrachloride	µg/L	8.8	–	–	–
	Nitrate-nitrite as nitrogen	µg/L	12,000	10,000	21,000	–
	Trichloroethylene	µg/L	120	56	74	27
XSB 3A	Nitrate-nitrite as nitrogen	µg/L	15,000	–	–	–
	Trichloroethylene	µg/L	24	6.2	35	8.2
XSB 4D	Nitrate-nitrite as nitrogen	µg/L	10,000	–	–	–
	Trichloroethylene	µg/L	64	49	–	–
XSB 5A	Lead	µg/L	NA	240	–	–
	Nitrate-nitrite as nitrogen	µg/L	NA	16,000	10,000	17,000
	Trichloroethylene	µg/L	NA	97	49	35

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 the PDWS
* = Appendix IX constituent (analyzed third quarter only)

Table 4. Constituents Exceeding Applicable Standards in Recovery Wells

Well	Constituent	Unit	Jan. 97	Feb. 97*	March 97	April 97
TRW 1	Carbon tetrachloride	µg/L	26	NA	24	23
	Lead, total recoverable	µg/L	58	NA	–	–
	Nitrate-nitrite as nitrogen	µg/L	NA	NA	–	12,000
	Trichloroethylene	µg/L	170	NA	260	190
TRW 2	Carbon tetrachloride	µg/L	9.4	NA	–	9.1
	Trichlororoethylene	µg/L	160	NA	85	130
TRW 3	Trichloroethylene	µg/L	84	NA	50	44
TRW 4	Trichloroethylene	µg/L	160	NA	150	110

Table 4. Constituents Exceeding Applicable Standards in Recovery Wells, cont.

Well	Constituent	Unit	May 97	June 97	July 97	Aug. 97
TRW 1	Carbon tetrachloride	µg/L	18	19	22	15
	Trichloroethylene	µg/L	170	130	150	140
TRW 2	Carbon tetrachloride	µg/L	6.5	11	5.6	–
	Trichloroethylene	µg/L	110	86	55	42
TRW 3	Trichloroethylene	µg/L	32	28	35	36
TRW 4	Trichloroethylene	µg/L	77	62	59	59
TRW 1	Carbon tetrachloride	µg/L	13	11	NA	13
	Trichloroethylene	µg/L	120	120	NA	100
TRW 2	Trichloroethylene	µg/L	33	30	NA	28
TRW 3	Trichloroethylene	µg/L	30	19	NA	NA
TRW 4	Trichloroethylene	µg/L	46	38	NA	NA

Notes: This table presents the highest value for duplicate/replicate results. See Table B-3 for modifiers that may have been applied to these results.
* = The recovery wells were not sampled during February or November, and wells TRW 3 and 4 were not sampled in December, because the pumps weren't running on the date the samplers visited the wells.
NA = not analyzed
– = analyzed but not above the PDWS

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, 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.

Results for Primary and Recovery Wells

Among wells identified in the EMS as monitoring the semi-confined aquifer zone, only the Appendix IX metal thallium in well XSB 1B during third quarter exceeded its standard. Discussion of other results above standards for the primary wells follows. It may be noted 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 concentration of those constituents.

Primary Wells, First Quarter 1997

- Trichloroethylene was elevated in 12 wells. The maximum TCE concentration occurred in well TBG 6 at 1,700 µg/L.
- Nitrate was elevated in 9 wells, with a maximum concentration of 26,000 µg/L in TBG 4.
- Carbon tetrachloride was above its standard in 7 wells, with a maximum concentration of 240 µg/L in well TBG 3.
- Tetrachloroethylene was elevated in 3 wells, with a maximum concentration of 27 µg/L in well TBG 4.
- Gross alpha was elevated in 1 well, TBG 4, at 27 pCi/L.

Primary Wells, Second Quarter 1997

- Trichloroethylene was elevated in 13 wells. The maximum TCE concentration occurred in well TBG 5 at 1,500 µg/L.
- Nitrate was elevated in 8 wells, with a maximum concentration of 31,000 µg/L in well TBG 4.
- Carbon tetrachloride was above its standard in 6 wells, with a maximum concentration of 180 µg/L in well TBG 3.
- Tetrachloroethylene was elevated in 3 wells, with a maximum concentration of 24 µg/L in well TBG 4.
- Gross alpha was elevated in 3 wells, with a maximum activity of 36 pCi/L in well TBG 4.
- Mercury exceeded its standard in 2 wells, with a maximum concentration of 2.4 µg/L in well TBG 4.
- Lead was above its standard in 3 wells, with a maximum concentration of 240 µg/L in well XSB 5A.

Primary Wells, Third Quarter 1997

- Trichloroethylene was elevated in 13 wells. The maximum TCE concentration occurred in well TBG 5 at 1,800 µg/L.
- Nitrate was elevated in 6 wells, with a maximum concentration of 30,000 µg/L in well TBG 4.
- Thallium was elevated in 5 wells, with a maximum concentration of 7.5 µg/L in well TBG 5.
- Carbon tetrachloride was above its standard in 5 wells, with a maximum concentration of 220 µg/L in well TBG 3.
- Tetrachloroethylene was elevated in 2 wells, with a maximum concentration of 26 µg/L in well TBG 4.
- Beryllium was elevated in 2 wells, with a maximum concentration of 4.5 µg/L in well TBG 4.
- Gross alpha was elevated in 2 wells, with a maximum activity of 37 pCi/L in TBG 4.
- The common laboratory contaminant bis(2-ethylhexyl) phthalate was above its standard in well TNX 11D at 18 µg/L.
- Mercury exceeded its standard in well TBG 4 at 2.8 µg/L.

Primary Wells, Fourth Quarter 1997

- Trichloroethylene was elevated in 11 wells. The maximum TCE concentration occurred in well TBG 5 at 1,400 µg/L.
- Nitrate was elevated in 4 wells, with a maximum concentration of 32,000 µg/L in well TBG 4.
- Carbon tetrachloride was above its standard in 5 wells, with a maximum concentration of 140 µg/L each in wells TBG 3 and 4.
- Gross alpha was elevated in 3 wells, with a maximum activity of 28 pCi/L in well TBG 4.
- Tetrachloroethylene was elevated in 2 wells, with a maximum concentration of 16 µg/L in well TBG 4.
- Mercury exceeded standard in 2 wells, with a maximum concentration of 3.7 µg/L in TBG 4.
- Lead was above its standard in well TBG 4 at 120 µg/L.

Analytical Results for Recovery Wells

All of the recovery wells exceeded the PDWS for TCE at every sampling event. These wells, located at the leading edge of the projected 1996 500-µg/L TCE plume, pump water from the plume to the air stripper. The highest value observed was 260 µg/L in well TRW 1 during March 1997. Elevated levels of carbon tetrachloride also were seen frequently, with a maximum value for carbon tetrachloride of 26 µg/L in well TRW 1 during January 1997. Lead was observed above its standard in well TRW 1 in January (at 58 µg/L), as was nitrate-nitrite (as nitrogen) at 12,000 µg/L in well TRW 1 during April.

Table 4 shows a quite consistent reduction in contaminant levels between the beginning and end of 1997, indicating that the pump-and-treat system is successfully reducing CVOCs at least in the groundwater closest to the recovery wells.

Hydrographs

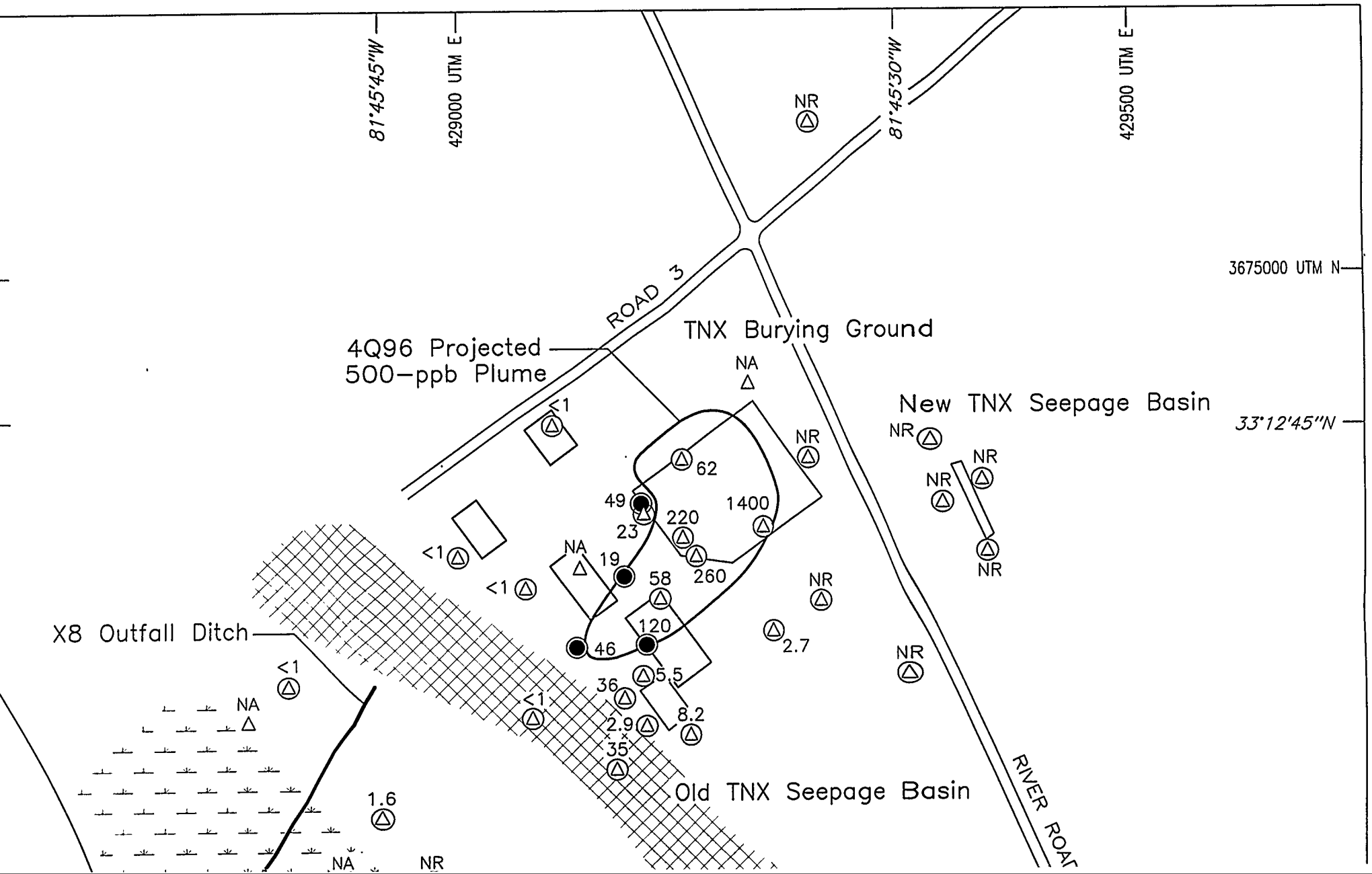
Hydrographs showing water-elevation changes over time for TNX-Area wells in the EMS are provided in Appendix D of this report. The date that pumping started is indicated by a vertical line on each hydrograph, labeled September 16, 1996. The hydrographs were constructed from water-level measurements made 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 Tables B-5 through B-10 of this report.

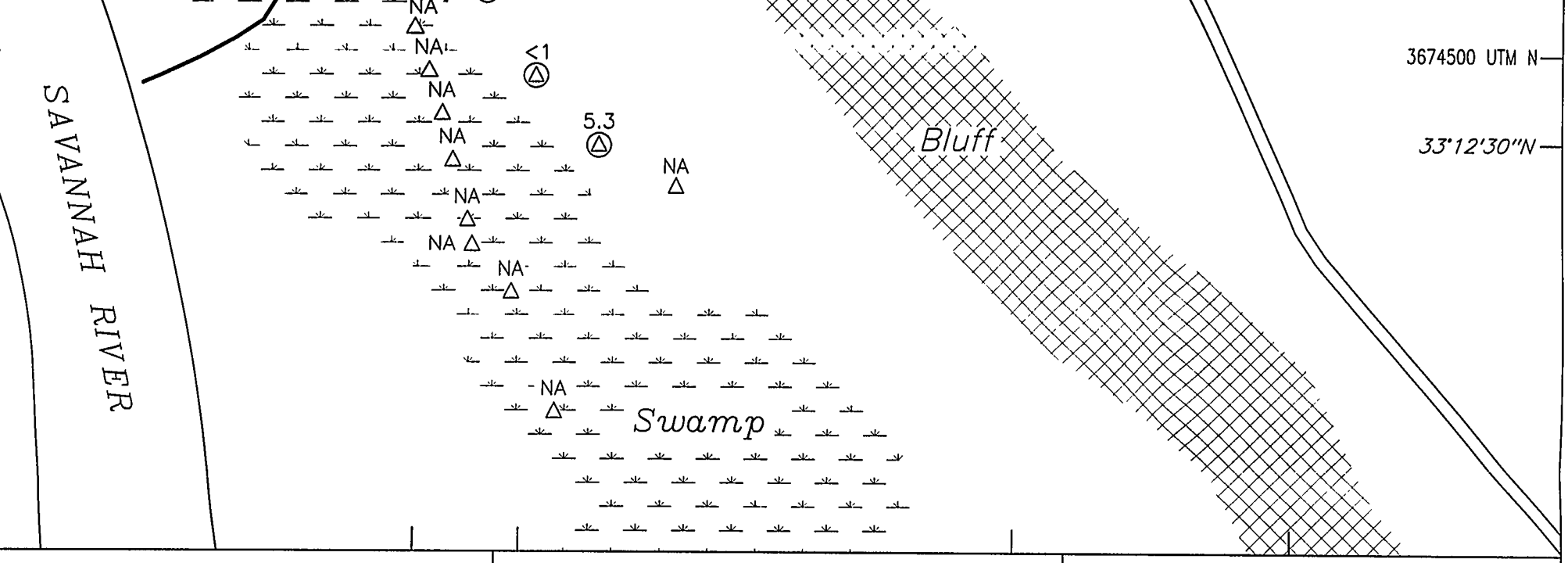
Time Series Results

Time series plots of carbon tetrachloride, nitrate-nitrite, tetrachloroethylene, and trichloroethylene levels for the primary wells from first quarter 1991 through fourth quarter 1997 are in Appendix E. Results for both nitrate as nitrogen and nitrate-nitrite as nitrogen analyses are included in the nitrate-nitrite plots.

Plume Containment

Figure 8 illustrates the concentrations of trichloroethylene detected in TNX-Area primary wells during fourth quarter 1997, with the projected 1996 500-µg/L plume superimposed.


81°45'45"W
429000 UTM E
81°45'30"W
429500 UTM E
3675000 UTM N
33°12'45"N
ROAD 3
4Q96 Projected
500-ppb Plume
TNX Burying Ground
New TNX Seepage Basin
Old TNX Seepage Basin
X8 Outfall Ditch
RIVER ROAD
NR
NA
<1
62
49
1400
23
220
260
19
58
120
46
5.5
2.7
36
8.2
2.9
35
1.6



TNX AREA

Trichloroethylene Concentrations
Unconfined Aquifer

Prepared by: KMD Approved by: rln

Date: 4-1-98 Date: 4-8-98

Notes:

Primary Drinking Water Standard: 5 µg/L

Scale in feet

500 0 500

Scale in meters

150 0 150

North

Legend

- △ Monitoring well
- ⓐ Monitoring well that is part of the EMS
- ◉ Recovery well that is part of the EMS
- 5.3 Constituent concentration in µg/L
- NA Not Available
- NR Not reported as part of the EMS
- < Results at or below detection limits

gure 8. Trichlorethylene Concentrations in the Unconfined Aquifer at the TNX Area, Fourth Quarter 1997

System Performance

Operation and Maintenance

The operating history of the T-1 air stripper is summarized in Figure 9. The air stripper operated from the start of pumping in the recovery wells in September 1996 to the end of 1997 with only one unplanned shutdown. The blocked air intake that caused the shutdown was cleaned of accumulated leaves, and the system was restarted.

Following initial start-up activities in September 1996, the stripper was operated at approximately 68 gpm. Flow was not restricted with the exception of control at wells TRW 3 and 4 to prevent these wells from running dry. The airflow at this time was approximately 900 cfm.

During the month of October 1996, flow was limited to approximately 45 gpm to allow the system to continue operation while meeting effluent permit requirements. This action was required because inlet concentrations had increased to more than double the values measured during startup. The performance of the stripper was not sufficient to meet permit requirements at the higher concentrations and flow rates.

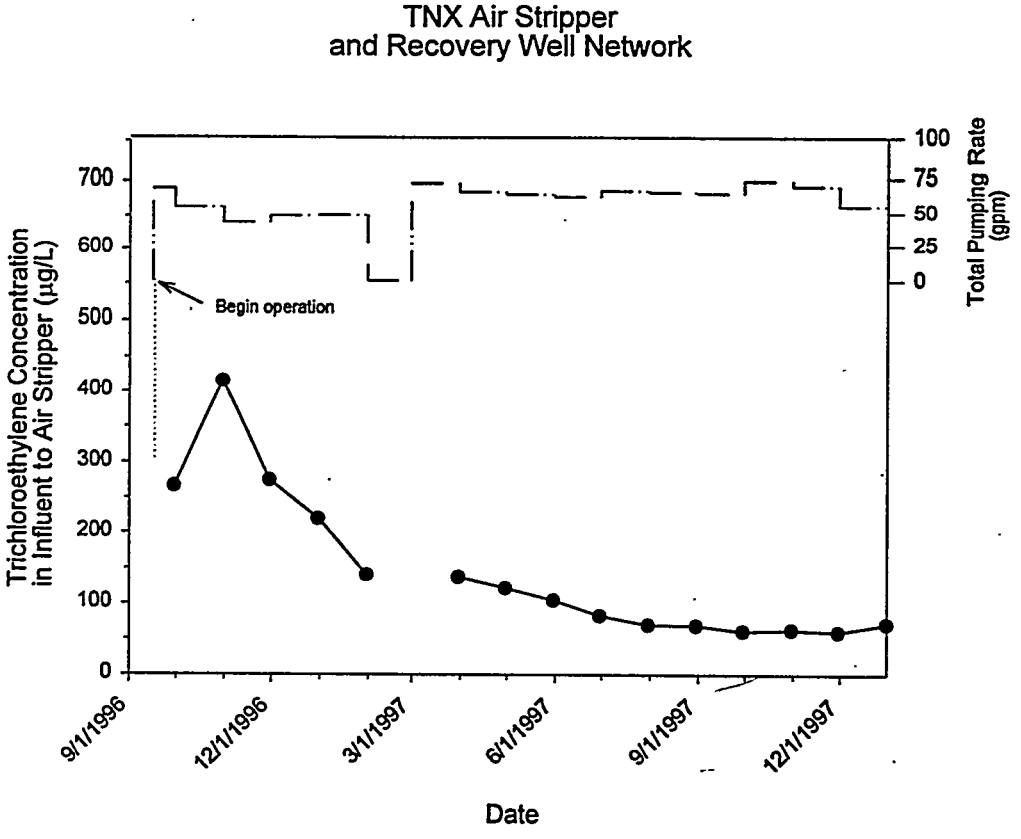


Figure 9. Time Series For TNX Air Stripper And Recovery Well Network

The system was modified in February 1997 to increase efficiency and eliminate misting from the stack. A second blower was added, the stack diameter was increased to 12 in., and several other minor modifications were made. Following these modifications, flow was unrestricted except as required to prevent wells TRW 3 and 4 from running dry. Flow rates were approximately 71 gpm for water and 1,100 cfm for air. Misting was reduced but not eliminated due to the close proximity of the stack entrance to the water surface in the stripper. Modifications required one month of downtime.

A second set of modifications was made in November 1997. These modifications were primarily driven by the need to eliminate mist escaping from the 12 in.-diameter stack. They were also aimed at increasing the airflow rate and system treatment efficiency. The modifications included a demister tray and an 18 in.-diameter stack. The air tubes in the stripper were clogged with scale, and several were damaged. New air tubes were installed with better supports and larger diameter orifices to increase resistance to scaling. Airflow was increased to approximately 2,000 cfm, and misting was eliminated. Modifications and repairs were completed in one week.

The system treated 32 million gallons of water between September 16, 1996, and January 1, 1998, as summarized in Table 5 below. Six thousand gallons were processed through the purge-water tank to the stripper. Downtime for the system was almost entirely due to training of operators in the first two months of operation and system modifications. Performance is now more than adequate, and no major modifications are planned.

Table 5. Gallons Treated and Influent Concentrations of Trichloroethylene (TCE) and Carbon Tetrachloride (CCl_4)

Month	Gallons Treated (Monthly, in millions)	Gallons Treated (Cumulative, in millions)	Influent Concentration of TCE (µg/L)	Influent Concentration of CCl_4 (µg/L)
Sep-96	0.10	0.10	267	15
Oct-96	0.06	0.16	*415*	**15**
Nov-96	1.48	1.65	275	**15**
Dec-96	2.15	3.79	220	**15**
Jan-97	1.99	5.78	141	*12*
Feb-97*	0.00	5.78	NA	NA
Mar-97	1.86	7.65	138	*10*
Apr-97	2.86	10.50	122	*11*
May-97	2.86	13.37	105	*8*
Jun-97	2.58	15.95	83	*10*
Jul-97	2.69	18.64	*70*	*8*
Aug-97	2.79	21.43	*69*	*6*
Sep-97	2.81	24.24	*61*	*5*
Oct-97	3.17	27.41	63	*4*
Nov-97	2.23	29.64	*60*	*7*
Dec-97	2.34	31.98	**71**	**10**

Concentrations in bold are estimated.
Concentrations in italics are averages of two or more samples.
* The system was out of service for modifications
NA = not applicable

A minor modification to the well network is planned to permit the taking of water-level measurements in the recovery wells when they are running. These measurements are important in assessing drawdown due to the pump-and-treat system.

Removal of Groundwater Contaminated with Trichloroethylene

Approximately 28 pounds of TCE was removed from the groundwater between September 16, 1996, and December 31, 1997, using the recovery well network and air stripper. The TCE concentration in water collected by the recovery wells initially contained approximately 250–450 µg/L and has decreased significantly to 50–75 µg/L. Currently, TCE is being removed at an average rate of 1.4 lb per month.

Figure 8 illustrates the concentrations of trichloroethylene detected in TNX-Area primary wells during fourth quarter 1997, with the projected 1996 500-µg/L plume superimposed.

Containment of Groundwater Contamination

Operation of the TNX recovery well network significantly altered groundwater flow patterns in the unconfined aquifer beneath the TNX Area and is 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 operation of the recovery well system. The recovery well system produced significant drawdown beneath the TNX Area. Figure 6 is a map of the change in the elevation of the water table that occurred during operation of the recovery well network. The drawdown produced a capture zone that entirely encompasses the groundwater beneath TNX that contains >500 µg/L TCE. The capture zone is illustrated on Figure 5 by the stippled area.

The effects of the Interim Action recovery well pumping may be seen in the changes in water elevation in monitoring wells close to the recovery wells since September 1996. Water elevations in those monitoring wells prior to September 1996 and in monitoring wells away from the influence of the recovery well system show variations related to rainfall; proximity to streams, outfalls, and other physical features; and other factors.

The water-elevation difference map (Figure 6) shows that water elevations have declined since the beginning of the operation of the recovery well system in mid-September 1996 in nearby monitoring wells.

References

EPA 1996: Code of Federal Regulations: 40 CFR, Part 141. National Primary Drinking Water Regulations.

Nichols 1993: Characterization of Shallow Groundwater at TNX (U), WSRC-TR-92-508. Westinghouse Savannah River Company, Aiken, SC. 29802.

WSRC 1994a: 1994 Interim Action Proposed Plan for the TNX Area Operable Unit (U), WSRC-TR-92-229, Rev. 2, August 8, 1994. Westinghouse Savannah River Company, Aiken, SC. 29802.

WSRC 1994b: Interim Action Record of Decision, Remedial Alternative Selection—TNX Area Groundwater Operable Unit (U), WSRC-TR-94-0375, Rev. 1, October 1994. Westinghouse Savannah River Company, Aiken, SC. 29802.

WSRC 1997a: Post Construction Report for the TNX Groundwater Operable Unit Interim Remedial Action (U), WSRC-RP-96-0826, Rev. 1, January 1997. Westinghouse Savannah River Company, Aiken, SC. 29802.

WSRC 1997b: Explanation of Significant Differences for the TNX Area Groundwater Operable Unit, WSRC-RP-97-169, Rev. 1, September 22, 1997. Westinghouse Savannah River Company, Aiken, SC. 29802

WSRC 1997c: Addendum to the TNX Shallow Groundwater Characterization Report (U) WSRC-TR-97-0337, Rev. 0, October 30, 1997. Westinghouse Savannah River Company, Aiken, SC. 29802.

Errata

The results of nitrate analyses for fourth quarter 1996 were inadvertently omitted from WSRC-TR-97-0217, the fourth quarter 1996 and first quarter 1997 groundwater monitoring report. Table 6 below provides these results.

Table 6. Nitrate Analyses for Fourth Quarter 1996

WELL P 26A

SAMPLE DATE	12/02/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	<20.0				WA

WELL P 26B

SAMPLE DATE	12/05/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	441				WA

WELL P 26D

SAMPLE DATE	12/05/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	572				WA

WELL TBG 1

SAMPLE DATE	11/15/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	12,200		—		WA

WELL TBG 3

SAMPLE DATE	11/22/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	16,800	J	—		WA

WELL TBG 4

SAMPLE DATE	12/04/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	29,500	J	—		WA

WELL TBG 5

SAMPLE DATE	12/04/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	2,550	J			WA

WELL TBG 5A

SAMPLE DATE	11/15/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	658				WA

WELL TBG 5B

SAMPLE DATE	11/15/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	<2.00				WA

WELL TBG 6

SAMPLE DATE	10/31/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	9,750	V			WA

WELL TNX 1D

SAMPLE DATE	12/05/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	47.0				WA

WELL TNX 2D

SAMPLE DATE	12/05/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	520				WA

WELL TNX 3D

SAMPLE DATE	11/01/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	9,620	V			WA

WELL TNX 4D

SAMPLE DATE	12/05/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	2,300				WA

WELL TNX 5D

SAMPLE DATE	10/30/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	3,610	V			WA

WELL TNX 6D

SAMPLE DATE	10/30/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	3,690	V			WA

WELL TNX 7D

SAMPLE DATE	11/21/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	<20.0	J			WA

WELL TNX 8D

SAMPLE DATE	12/03/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	4,850	V			GE

WELL TNX 9D

SAMPLE DATE	11/12/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	1,020	JV			WA

WELL TNX 10D

SAMPLE DATE	12/02/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	8,150				WA

WELL TNX 11D

SAMPLE DATE	10/29/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	381				WA

WELL XSB 1A

SAMPLE DATE	12/04/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	1,880	J			WA

WELL XSB 1B

SAMPLE DATE	11/21/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	<20.0	J			WA

WELL XSB 1D

SAMPLE DATE	10/31/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	5,280	V			WA

WELL XSB 2D

SAMPLE DATE	12/04/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	6,200	J			WA

WELL XSB 3A

SAMPLE DATE	11/21/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	264	J			WA

WELL XSB 4D

SAMPLE DATE	12/04/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	4,230	J			WA

WELL XSB 5A

SAMPLE DATE	12/05/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	6,570				WA

WELL YSB 1A

SAMPLE DATE	11/14/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	913				WA

WELL YSB 2A

SAMPLE DATE	10/29/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	1,100	V			GE

WELL YSB 3A

SAMPLE DATE	10/29/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	4,510				WA

WELL YSB 4A

SAMPLE DATE	11/11/96				
Parameter	4Q96	Mod	ST	H	Lab
Nitrate-nitrite as nitrogen	647	V			WA

Appendix A

Final Primary Drinking Water Standards and Flagging Criteria

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

Analyte	*Level*	*Unit*	*Status*	*Source*
Alachlor	2	µg/L	Final	EPA, 1996
Aldicarb	3	µg/L	Final	EPA, 1996
Aldicarb sulfone	2	µg/L	Final	EPA, 1996
Aldicarb sulfoxide	4	µg/L	Final	EPA, 1996
Antimony	6	µg/L	Final	EPA, 1996
Arsenic	50	µg/L	Final	EPA, 1996
Asbestos	7,000,000	Fibers/L	Final	EPA, 1996
Atrazine	3	µg/L	Final	EPA, 1996
Barium	2,000	µg/L	Final	EPA, 1996
Benzene	5	µg/L	Final	EPA, 1996
Benzo[*a*]pyrene	0.2	µg/L	Final	EPA, 1996
Beryllium	4	µg/L	Final	EPA, 1996
Bis(2-ethylhexyl) phthalate	6	µg/L	Final	EPA, 1996
Bromodichloromethane	100	µg/L	Final	EPA, 1996
Bromoform	100	µg/L	Final	EPA, 1996
2-sec-Butyl-4,6-dinitrophenol	7	µg/L	Final	EPA, 1996
Cadmium	5	µg/L	Final	EPA, 1996
Carbofuran	40	µg/L	Final	EPA, 1996
Carbon tetrachloride	5	µg/L	Final	EPA, 1996
Chlordane	2	µg/L	Final	EPA, 1996
Chlorobenzene	100	µg/L	Final	EPA, 1996
Chloroethene (Vinyl chloride)	2	µg/L	Final	EPA, 1996
Chloroform	100	µg/L	Final	EPA, 1996
Chromium	100	µg/L	Final	EPA, 1996
Copper	1,000	µg/L	Final	SCDHEC, 1981
Cyanide	200	µg/L	Final	EPA, 1996
Dalapon	200	µg/L	Final	EPA, 1996
Dibromochloromethane	100	µg/L	Final	EPA, 1996
1,2-Dibromo-3-chloropropane	0.2	µg/L	Final	EPA, 1996
1,2-Dibromoethane	0.05	µg/L	Final	EPA, 1996
1,2-Dichlorobenzene	600	µg/L	Final	EPA, 1996
1,4-Dichlorobenzene	75	µg/L	Final	EPA, 1996
1,2-Dichloroethane	5	µg/L	Final	EPA, 1996
1,1-Dichloroethylene	7	µg/L	Final	EPA, 1996
cis-1,2-Dichloroethylene	70	µg/L	Final	EPA, 1996
trans-1,2-Dichloroethylene	100	µg/L	Final	EPA, 1996
Dichloromethane (Methylene chloride)	5	µg/L	Final	EPA, 1996
2,4-Dichlorophenoxyacetic acid	70	µg/L	Final	EPA, 1996
1,2-Dichloropropane	5	µg/L	Final	EPA, 1996
Di(2-ethylhexyl) adipate	400	µg/L	Final	EPA, 1996
Diquat dibromide	20	µg/L	Final	EPA, 1996
Endothall	100	µg/L	Final	EPA, 1996
Endrin	2	µg/L	Final	EPA, 1996
Ethylbenzene	700	µg/L	Final	EPA, 1996
Fluoride	4,000	µg/L	Final	EPA, 1996
Glyphosate	700	µg/L	Final	EPA, 1996
Gross alpha[a]	1.5E+01	pCi/L	Final	EPA, 1996
Heptachlor	0.4	µg/L	Final	EPA, 1996
Heptachlor epoxide	0.2	µg/L	Final	EPA, 1996
Hexachlorobenzene	1	µg/L	Final	EPA, 1996
Hexachlorocyclopentadiene	50	µg/L	Final	EPA, 1996
Lead	50	µg/L	Final	EPA, 1996
Lindane	0.2	µg/L	Final	EPA, 1996
Mercury	2	µg/L	Final	EPA, 1996
Methoxychlor	40	µg/L	Final	EPA, 1996
Nickel	100	µg/L	Final	EPA, 1996
Nitrate as nitrogen	10,000	µg/L	Final	EPA, 1996

Analyte	Level	Unit	Status	Source
Nitrate-nitrite as nitrogen	10,000	µg/L	Final	EPA, 1996
Nitrite as nitrogen	1,000	µg/L	Final	EPA, 1996
Nonvolatile beta	5E+01	pCi/L	Interim Final	EPA, 1977
Oxamyl	200	µg/L	Final	EPA, 1996
PCB 1016	0.5	µg/L	Final	EPA, 1996
PCB 1221	0.5	µg/L	Final	EPA, 1996
PCB 1232	0.5	µg/L	Final	EPA, 1996
PCB 1242	0.5	µg/L	Final	EPA, 1996
PCB 1248	0.5	µg/L	Final	EPA, 1996
PCB 1254	0.5	µg/L	Final	EPA, 1996
PCB 1260	0.5	µg/L	Final	EPA, 1996
PCB 1262	0.5	µg/L	Final	EPA, 1996
Pentachlorophenol	1	µg/L	Final	EPA, 1996
Picloram	500	µg/L	Final	EPA, 1996
Selenium	50	µg/L	Final	EPA, 1996
Simazine	4	µg/L	Final	EPA, 1996
Strontium-89/90[b]	8E+00	pCi/L	Final	EPA, 1996
Strontium-90	8E+00	pCi/L	Final	EPA, 1996
Styrene	100	µg/L	Final	EPA, 1996
2,3,7,8-TCDD	0.014	µg/L	Final	EPA, 1996
Tetrachloroethylene	5	µg/L	Final	EPA, 1996
Thallium	2	µg/L	Final	EPA, 1996
Toluene	1,000	µg/L	Final	EPA, 1996
Total coliform	0	N/A	Final	EPA, 1996
Toxaphene	3	µg/L	Final	EPA, 1996
2,4,5-TP (Silvex)	50	µg/L	Final	EPA, 1996
1,2,4-Trichlorobenzene	70	µg/L	Final	EPA, 1996
1,1,1-Trichloroethane	200	µg/L	Final	EPA, 1996
1,1,2-Trichloroethane	5	µg/L	Final	EPA, 1996
Trichloroethylene	5	µg/L	Final	EPA, 1996
Tritium	2E+01	pCi/mL	Final	EPA, 1996
Xylenes	10,000	µg/L	Final	EPA, 1996

[a] The standard given is for gross alpha including radium-226 but excluding radon and uranium.
[b] For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

Table A-2. Flagging Criteria

Analyte	*Unit*	*Flag 1*	*Flag 2*	*Source*
Acenaphthene	µg/L	5.1	10.2	EPA Method 8270
Acenaphthylene	µg/L	5.1	10.2	EPA Method 8270
Acetone	µg/L	500	1,000	EPA Method 8240 (Set by EPD/EMS)
Acetonitrile (Methyl cyanide)	µg/L	50	100	EPA Method 8240
Acetophenone	µg/L	85	170	EPA Method 8270
2-Acetylaminofluorene	µg/L	81	162	EPA Method 8270
Acrolein	µg/L	166.5	333	EPA Method 8240
Acrylonitrile	µg/L	250	500	EPA Method 8240
Actinium-228	µCi/mL	1.64E–06	3.27E–06	Proposed DWS (EPA, 1991a)
Alachlor	µg/L	1	2	Final DWS (EPA, 1996)
Aldicarb	µg/L	1.5	3	Final DWS (EPA, 1996)
Aldicarb sulfone	µg/L	1	2	Final DWS (EPA, 1996)
Aldicarb sulfoxide	µg/L	2	4	Final DWS (EPA, 1996)
Aldrin	µg/L	0.4	0.8	EPA Method 8080
Alkalinity (as $CaCO_3$)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	416.5	833	EPA Method 8240
Aluminum	µg/L	25	50	Secondary DWS (CFR, 1995b)
Aluminum, dissolved	µg/L	25	50	Secondary DWS (CFR, 1995b)
Aluminum, total recoverable	µg/L	25	50	Secondary DWS (CFR, 1995b)
Americium-241	µCi/mL	3.17E–09	6.34E–09	Proposed DWS (EPA, 1991a)
Americium-243	µCi/mL	3.19E–09	6.37E–09	Proposed DWS (EPA, 1991a)
4-Aminobiphenyl	µg/L	81	162	EPA Method 8270
Ammonia	µg/L	250	500	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	81	162	EPA Method 8270
Anthracene	µg/L	5.1	10.2	EPA Method 8270
Antimony	µg/L	3	6	Final DWS (EPA, 1996)
Antimony, dissolved	µg/L	3	6	Final DWS (EPA, 1996)
Antimony, total recoverable	µg/L	3	6	Final DWS (EPA, 1996)
Antimony-124	µCi/mL	3E–08	6E–08	Interim Final DWS (EPA, 1977)
Antimony-125	µCi/mL	1.5E–07	3E–07	Interim Final DWS (EPA, 1977)
Aramite	µg/L	81	162	EPA Method 8270
Arsenic	µg/L	25	50	Final DWS (EPA, 1996)
Arsenic, dissolved	µg/L	25	50	Final DWS (EPA, 1996)
Arsenic, total recoverable	µg/L	25	50	Final DWS (EPA, 1996)
Asbestos	Fibers/L	3,500,000	7,000,000	Final DWS (EPA, 1996)
Atrazine	µg/L	1.5	3	Final DWS (EPA, 1996)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1000	2,000	Final DWS (EPA, 1996)
Barium, dissolved	µg/L	1000	2,000	Final DWS (EPA, 1996)
Barium, total recoverable	µg/L	1000	2,000	Final DWS (EPA, 1996)
Barium-133	µCi/mL	7.6E–07	1.52E–06	Proposed DWS (EPA, 1991a)
Barium-140[a]	µCi/mL	4.5E–08	9E–08	Interim Final DWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final DWS (EPA, 1996)
alpha-Benzene hexachloride	µg/L	0.15	0.3	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	83.5	167	EPA Method 8270
Benzo[*a*]anthracene	µg/L	0.05	0.1	Proposed DWS (EPA, 1990)
Benzo[*b*]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzo[*k*]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzoic acid	µg/L	5	10	EPA Method 8270
Benzo[*g,h,i*]perylene	µg/L	5.1	10.2	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
Benzo[a]pyrene	µg/L	0.1	0.2	Final DWS (EPA, 1996)
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	5	10	EPA Method 8270
Beryllium	µg/L	2	4	Final DWS (EPA, 1996)
Beryllium, dissolved	µg/L	2	4	Final DWS (EPA, 1996)
Beryllium, total recoverable	µg/L	2	4	Final DWS (EPA, 1996)
Beryllium-7	µCi/mL	3E–06	6E–06	Interim Final DWS (EPA, 1977)
5-day Biochemical oxygen demand		No flag	No flag	Set by EPD/EMS
Bis(2-chloroethoxy) methane	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	100	200	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3	6	Final DWS (EPA, 1996)
Bismuth-214	µCi/mL	9.4E–06	1.89E–05	Proposed DWS (EPA, 1991a)
Boron	µg/L	2,500	5,000	EPA Method 6010
Boron, dissolved	µg/L	2,500	5,000	EPA Method 6010
Boron, total recoverable	µg/L	2,500	5,000	EPA Method 6010
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromobenzene	µg/L	25	50	EPA Method 8260
Bromochloromethane	µg/L	5	10	EPA Method 8260
Bromodichloromethane	µg/L	50	100	Final DWS (EPA, 1996)
Bromoform	µg/L	50	100	Final DWS (EPA, 1996)
Bromomethane (Methyl bromide)	µg/L	10	20	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
n-Butylbenzene	µg/L	5	10	EPA Method 8260
sec-Butylbenzene	µg/L	5	10	EPA Method 8260
tert-Butylbenzene	µg/L	5	10	EPA Method 8260
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final DWS (EPA, 1996)
Cadmium	µg/L	2.5	5	Final DWS (EPA, 1996)
Cadmium, dissolved	µg/L	2.5	5	Final DWS (EPA, 1996)
Cadmium, total recoverable	µg/L	2.5	5	Final DWS (EPA, 1996)
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 DWS (EPA, 1996)
Carbon disulfide	µg/L	25	50	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final DWS (EPA, 1996)
Carbon-14	µCi/mL	1E–06	2E–06	Interim Final DWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Cerium-141[a]	µCi/mL	1.5E–07	3E–07	Interim Final DWS (EPA, 1977)
Cerium-144	µCi/mL	1.31E–07	2.61E–07	Proposed DWS (EPA, 1991a)
Cesium-134[b]	µCi/mL	4.07E–08	8.13E–08	Proposed DWS (EPA, 1991a)
Cesium-137	µCi/mL	1E–07	2E–07	Interim Final DWS (EPA, 1977)
Chemical oxygen demand		No flag	No flag	Set by EPD/EMS
Chlordane	µg/L	1	2	Final DWS (EPA, 1996)
alpha-Chlordane	µg/L	0.25	0.5	EPA Method 8080
gamma-Chlordane	µg/L	0.25	0.5	EPA Method 8080
Chloride	µg/L	125,000	250,000	Secondary DWS (CFR, 1995b)
4-Chloroaniline	µg/L	5	10	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final DWS (EPA, 1996)
Chlorobenzilate	µg/L	81	162	EPA Method 8270
4-Chloro-m-cresol	µg/L	5.1	10.2	EPA Method 8270
Chloroethane	µg/L	10	20	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final DWS (EPA, 1996)
Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240

Analyte	Unit	Flag 1	Flag 2	Source
2-Chloroethyl vinyl ether	µg/L	50	100	EPA Method 8240
Chloroform	µg/L	50	100	Final DWS (EPA, 1996)
Chloromethane (Methyl chloride)	µg/L	10	20	EPA Method 8240
2-Chloronaphthalene	µg/L	5.1	10.2	EPA Method 8240
2-Chlorophenol	µg/L	5.1	10.2	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
Chloroprene	µg/L	1,665	3,330	EPA Method 8240
2-Chlorotoluene	µg/L	25	50	EPA Method 8260
4-Chlorotoluene	µg/L	5	10	EPA Method 8260
Chromium	µg/L	50	100	Final DWS (EPA, 1996)
Chromium, dissolved	µg/L	50	100	Final DWS (EPA, 1996)
Chromium, total recoverable	µg/L	50	100	Final DWS (EPA, 1996)
Chromium-51[a]	µCi/mL	3E–06	6E–06	Interim Final DWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Cobalt	µg/L	50	100	EPA Method 6010
Cobalt, dissolved	µg/L	50	100	EPA Method 6010
Cobalt, total recoverable	µg/L	50	100	EPA Method 6010
Cobalt-57	µCi/mL	5E–07	1E–06	Interim Final DWS (EPA, 1977)
Cobalt-58	µCi/mL	4.5E–06	9E–06	Interim Final DWS (EPA, 1977)
Cobalt-60	µCi/mL	5E–08	1E–07	Interim Final DWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Primary DWS (SCDHEC, 1981)
Copper, dissolved	µg/L	500	1,000	Primary DWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	500	1,000	Primary DWS (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	5	10	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	60	120	EPA Method 8270
Curium-242	µCi/mL	6.65E–08	1.33E–07	Proposed DWS (EPA, 1991a)
Curium-243	µCi/mL	4.15E–09	8.3E–09	Proposed DWS (EPA, 1991a)
Curium-243/244[c]	µCi/mL	4.15E–09	8.3E–09	Proposed DWS (EPA, 1991a)
Curium-244	µCi/mL	4.92E–09	9.84E–09	Proposed DWS (EPA, 1991a)
Curium-245/246[a]	µCi/mL	3.12E–09	6.23E–09	Proposed DWS (EPA, 1991a)
Curium-246	µCi/mL	3.14E–09	6.27E–09	Proposed DWS (EPA, 1991a)
Cyanide	µg/L	100	200	Final DWS (EPA, 1996)
Dalapon	µg/L	100	200	Final DWS (EPA, 1996)
p,p′-DDD	µg/L	0.55	1.1	EPA Method 8080
p,p′-DDE	µg/L	0.25	0.5	EPA Method 8080
p,p′-DDT	µg/L	0.85	1.7	EPA Method 8080
Diallate	µg/L	81	162	EPA Method 8270
Dibenz[*a,h*]anthracene	µg/L	0.15	0.3	Proposed DWS (EPA, 1990)
Dibenzofuran	µg/L	5	10	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final DWS (EPA, 1996)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final DWS (EPA, 1996)
1,2-Dibromoethane	µg/L	0.025	0.05	Final DWS (EPA, 1996)
Dibromomethane (Methylene bromide)	µg/L	10	20	EPA Method 8240
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
1,2-Dichlorobenzene	µg/L	300	600	Final DWS (EPA, 1996)
1,3-Dichlorobenzene	µg/L	81	162	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final DWS (EPA, 1996)
3,3′-Dichlorobenzidine	µg/L	5.1	10.2	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	250	500	EPA Method 8240
Dichlorodifluoromethane	µg/L	10	20	EPA Method 8240
1,1-Dichloroethane	µg/L	10	20	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final DWS (EPA, 1996)
cis-1,2-Dichloroethylene	µg/L	35	70	Final DWS (EPA, 1996)

Analyte	Unit	Flag 1	Flag 2	Source
1,1-Dichloroethylene	µg/L	3.5	7	Final DWS (EPA, 1996)
1,2-Dichloroethylene	µg/L	25	50	EPA Method 8240
trans-1,2-Dichloroethylene	µg/L	50	100	Final DWS (EPA, 1996)
Dichloromethane (Methylene chloride)	µg/L	2.5	5	Final DWS (EPA, 1996)
2,4-Dichlorophenol	µg/L	5.1	10.2	EPA Method 8270
2,6-Dichlorophenol	µg/L	83.5	167	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final DWS (EPA, 1996)
1,2-Dichloropropane	µg/L	2.5	5	Final DWS (EPA, 1996)
2,2-Dichloropropane	µg/L	5	10	EPA Method 8260
cis-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
Dieldrin	µg/L	4.15	8.3	EPA Method 8080
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Di(2-ethylhexyl) adipate	µg/L	200	400	Final DWS (EPA, 1996)
Dimethoate	µg/L	81	162	EPA Method 8270
2,4-Dimethyl phenol	µg/L	5.1	10.2	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
p-Dimethylaminoazobenzene	µg/L	81	162	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[a]anthracene	µg/L	81	162	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	81	162	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	81	162	EPA Method 8270
1,3-Dinitrobenzene	µg/L	81	162	EPA Method 8270
2,4-Dinitrophenol	µg/L	51	102	EPA Method 8270
2,4-Dinitrotoluene	µg/L	0.5	1	EPA Method 8270
2,6-Dinitrotoluene	µg/L	0.5	1	EPA Method 8270
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
1,4-Dioxane	µg/L	500	1,000	EPA Method 8270
Diphenylamine	µg/L	81	162	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	83.5	167	EPA Method 8270
Diquat dibromide	µg/L	10	20	Final DWS (EPA, 1996)
Dissolved organic carbon	µg/L	10,500,000	21,000,000	EPA Method 9060
Disulfoton	µg/L	81	162	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
Endosulfan I	µg/L	0.25	0.5	EPA Method 8080
Endosulfan II	µg/L	0.55	1.1	EPA Method 8080
Endosulfan sulfate	µg/L	0.55	1.1	EPA Method 8080
Endothall	µg/L	50	100	Final DWS (EPA, 1996)
Endrin	µg/L	1	2	Final DWS (EPA, 1996)
Endrin aldehyde	µg/L	0.85	1.7	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethyl ether	µg/L	50	100	EPA Method 8260
Ethyl methacrylate	µg/L	2.5	5	EPA Method 8270
Ethyl methanesulfonate	µg/L	81	162	EPA Method 8270
Ethylbenzene	µg/L	350	700	Final DWS (EPA, 1996)
Europium-152	µCi/mL	3E-08	6E-08	Interim Final DWS (EPA, 1977)
Europium-154	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Europium-155	µCi/mL	3E-07	6E-07	Interim Final DWS (EPA, 1977)
Famphur	µg/L	81	162	EPA Method 8270
Fluoranthene	µg/L	5.1	10.2	EPA Method 8270
Fluorene	µg/L	5.1	10.2	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final DWS (EPA, 1996)
Glyphosate	µg/L	350	700	Final DWS (EPA, 1996)
Gross alpha	µCi/mL	7.5E-09	1.5E-08	Final DWS (EPA, 1996)
Heptachlor	µg/L	0.2	0.4	Final DWS (EPA, 1996)
Heptachlor epoxide	µg/L	0.1	0.2	Final DWS (EPA, 1996)

Analyte	Unit	Flag 1	Flag 2	Source
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.007	0.014	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.007	0.014	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.008	0.016	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.008	0.016	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Final DWS (EPA, 1996)
Hexachlorobutadiene	µg/L	5	10	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final DWS (EPA, 1996)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.008	0.016	EPA Method 8280
1,2,3,4,7,8-HXCDD	µg/L	0.0105	0.021	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.006	0.012	EPA Method 8280
1,2,3,4,7,8-HXCDF	µg/L	0.0085	0.017	EPA Method 8280
Hexachloroethane	µg/L	0.5	1	EPA Method 8270
Hexachlorophene	µg/L	83.5	167	EPA Method 8270
Hexachloropropene	µg/L	81	162	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3-*c,d*]pyrene	µg/L	0.5	1	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	µCi/mL	5E–10	1E–09	Interim Final DWS (EPA, 1977)
Iodine-131[a]	µCi/mL	1.5E–09	3E–09	Interim Final DWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	125	250	EPA Method 8240
Iron	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron, dissolved	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron, total recoverable	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron-55[a]	µCi/mL	1E–06	2E–06	Interim Final DWS (EPA, 1977)
Iron-59[a]	µCi/mL	1E–07	2E–07	Interim Final DWS (EPA, 1977)
Isobutyl alcohol	µg/L	834.5	1,669	EPA Method 8240
Isodrin	µg/L	81	162	EPA Method 8270
Isophorone	µg/L	5.1	10.2	EPA Method 8270
Isopropylbenzene	µg/L	5	10	EPA Method 8260
p-Isopropyltoluene	µg/L	5	10	EPA Method 8260
Isosafrole	µg/L	81	162	EPA Method 8270
Kepone	µg/L	81	162	EPA Method 8270
Lanthanum-140[a]	µCi/mL	3E–08	6E–08	Interim Final DWS (EPA, 1977)
Lead	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead, dissolved	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead-212	µCi/mL	6.2E–08	1.23E–07	Proposed DWS (EPA, 1991a)
Lindane	µg/L	0.1	0.2	Final DWS (EPA, 1996)
Lithium	µg/L	125	250	EPA Method 6010
Lithium, dissolved	µg/L	125	250	EPA Method 6010
Lithium, total recoverable	µg/L	125	250	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	Secondary DWS (CFR, 1995b)
Manganese, dissolved	µg/L	25	50	Secondary DWS (CFR, 1995b)
Manganese, total recoverable	µg/L	25	50	Secondary DWS (CFR, 1995b)
Manganese-54	µCi/mL	1.5E–07	3E–07	Interim Final DWS (EPA, 1977)
Mercury	µg/L	1	2	Final DWS (EPA, 1996)
Mercury, dissolved	µg/L	1	2	Final DWS (EPA, 1996)
Mercury, total recoverable	µg/L	1	2	Final DWS (EPA, 1996)
Methacrylonitrile	µg/L	416.5	833	EPA Method 8240
Methapyrilene	µg/L	81	162	EPA Method 8270
Methoxychlor	µg/L	20	40	Final DWS (EPA, 1996)
Methyl tert-butyl ether	µg/L	5	10	EPA Method 8260
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	50	100	EPA Method 8270
Methyl methanesulfonate	µg/L	81	162	EPA Method 8270
3-Methylcholanthrene	µg/L	81	162	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	51	102	EPA Method 8270
2-Methylnaphthalene	µg/L	5	10	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	83.5	167	EPA Method 8270
1,4-Naphthoquinone	µg/L	81	162	EPA Method 8270
1-Naphthylamine	µg/L	81	162	EPA Method 8270
2-Naphthylamine	µg/L	81	162	EPA Method 8270
Neptunium-237	µCi/mL	3.53E–09	7.06E–09	Proposed DWS (EPA, 1991a)
Neptunium-239	µCi/mL	8.4E–07	1.68E–06	Proposed DWS (EPA, 1991a)
Nickel	µg/L	50	100	Final DWS (EPA, 1996)
Nickel, dissolved	µg/L	50	100	Final DWS (EPA, 1996)
Nickel, total recoverable	µg/L	50	100	Final DWS (EPA, 1996)
Nickel-59	µCi/mL	1.5E–07	3E–07	Interim Final DWS (EPA, 1977)
Nickel-63	µCi/mL	2.5E–08	5E–08	Interim Final DWS (EPA, 1977)
Niobium-95[a]	µCi/mL	1.5E–07	3E–07	Interim Final DWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final DWS (EPA, 1996)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final DWS (EPA, 1996)
Nitrite as nitrogen	µg/L	500	1,000	Final DWS (EPA, 1996)
m-Nitroaniline	µg/L	5	10	EPA Method 8270
o-Nitroaniline	µg/L	5	10	EPA Method 8270
p-Nitroaniline	µg/L	5	10	EPA Method 8270
Nitrobenzene	µg/L	5.1	10.2	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	5.1	10.2	EPA Method 8270
4-Nitrophenol	µg/L	5.1	10.2	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	81	162	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	81	162	EPA Method 8270
N-Nitrosodiethylamine	µg/L	81	162	EPA Method 8270
N-Nitrosodimethylamine	µg/L	83.5	167	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	5.1	10.2	EPA Method 8270
N-Nitrosodipropylamine	µg/L	5.1	10.2	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	81	162	EPA Method 8270
N-Nitrosomorpholine	µg/L	81	162	EPA Method 8270
N-Nitrosopiperidine	µg/L	81	162	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	81	162	EPA Method 8270
5-Nitro-o-toluidine	µg/L	81	162	EPA Method 8270
Nonvolatile beta	µCi/mL	2.5E–08	5E–08	Interim Final DWS (EPA, 1977)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.0085	0.017	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.0065	0.013	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil and grease	µg/L	8,350	16,700	EPA Method 413.1
Oxamyl	µg/L	100	200	Final DWS (EPA, 1996)
Parathion	µg/L	0.4	0.8	EPA Method 8080
Parathion methyl	µg/L	0.4	0.8	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final DWS (EPA, 1996)
PCB 1221	µg/L	0.25	0.5	Final DWS (EPA, 1996)
PCB 1232	µg/L	0.25	0.5	Final DWS (EPA, 1996)
PCB 1242	µg/L	0.25	0.5	Final DWS (EPA, 1996)
PCB 1248	µg/L	0.25	0.5	Final DWS (EPA, 1996)
PCB 1254	µg/L	0.25	0.5	Final DWS (EPA, 1996)

Analyte	Unit	Flag 1	Flag 2	Source
PCB 1260	µg/L	0.25	0.5	Final DWS (EPA, 1996)
PCB 1262	µg/L	0.25	0.5	Final DWS (EPA, 1996)
Pentachlorobenzene	µg/L	81	162	EPA Method 8270
Pentachlorodibenzo-p-dioxin isomers	µg/L	0.008	0.016	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.0075	0.015	EPA Method 8280
Pentachlorodibenzo-p-furan isomers	µg/L	0.0085	0.017	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.0085	0.017	EPA Method 8280
Pentachloroethane	µg/L	81	162	EPA Method 8270
Pentachloronitrobenzene	µg/L	81	162	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1	Final DWS (EPA, 1996)
pH[q]	pH	8	10	Set by EPD/EMS
pH[d]	pH	4	3	Set by EPD/EMS
Phenacetin	µg/L	81	162	EPA Method 8270
Phenanthrene	µg/L	5.1	10.2	EPA Method 8270
Phenol	µg/L	83.5	167	EPA Method 8270
Phenols	µg/L	50	100	EPA Method 420.1
p-Phenylenediamine	µg/L	81	162	EPA Method 8270
Phorate	µg/L	0.85	1.7	EPA Method 8080
Picloram	µg/L	250	500	Final DWS (EPA, 1996)
2-Picoline	µg/L	81	162	EPA Method 8270
Plutonium-238	µCi/mL	3.51E-09	7.02E-09	Proposed DWS (EPA, 1991a)
Plutonium-239	µCi/mL	3.11E-08	6.21E-08	Proposed DWS (EPA, 1991a)
Plutonium-239/240[c]	µCi/mL	3.11E-08	6.21E-08	Proposed DWS (EPA, 1991a)
Plutonium-240	µCi/mL	3.11E-08	6.22E-08	Proposed DWS (EPA, 1991a)
Plutonium-241[a]	µCi/mL	3.13E-08	6.26E-08	Proposed DWS (EPA, 1991a)
Plutonium-242[a]	µCi/mL	3.27E-08	6.54E-08	Proposed DWS (EPA, 1991a)
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	µCi/mL	1.5E-07	3E-07	Proposed DWS (EPA, 1986a)
Promethium-144	µCi/mL	5E-08	1E-07	EPA Method 901.1
Promethium-146	µCi/mL	5E-08	1E-07	EPA Method 901.1
Promethium-147	µCi/mL	2.62E-06	5.24E-06	Proposed DWS (EPA, 1991a)
Pronamid	µg/L	81	162	EPA Method 8270
Propionitrile	µg/L	1,665	3,330	EPA Method 8240
n-Propylbenzene	µg/L	5	10	EPA Method 8260
Pyrene	µg/L	5.1	10.2	EPA Method 8270
Pyridine	µg/L	81	162	EPA Method 8270
Radium, total alpha-emitting	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radium-226	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radium-228	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radon-222	µCi/mL	1.5E-07	3E-07	Proposed DWS (EPA, 1991a)
Ruthenium-103[a]	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Ruthenium-106	µCi/mL	1.5E-08	3E-08	Interim Final DWS (EPA, 1977)
Safrole	µg/L	81	162	EPA Method 8270
Selenium	µg/L	25	50	Final DWS (EPA, 1996)
Selenium, dissolved	µg/L	25	50	Final DWS (EPA, 1996)
Selenium, total recoverable	µg/L	25	50	Final DWS (EPA, 1996)
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	Secondary DWS (CFR, 1995b)
Silver, dissolved	µg/L	50	100	Secondary DWS (CFR, 1995b)
Silver, total recoverable	µg/L	50	100	Secondary DWS (CFR, 1995b)
Simazine	µg/L	2	4	Final DWS (EPA, 1996)
Sodium		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source
Sodium, dissolved		No flag	No flag	Set by EPD/EMS
Sodium, total recoverable		No flag	No flag	Set by EPD/EMS
Sodium-22	µCi/mL	2.33E–07	4.66E–07	Proposed DWS (EPA, 1991a)
Specific conductance[d]	µS/cm	250	500	Set by EPD/EMS
Strontium-89	µCi/mL	1E–08	2E–08	Interim Final DWS (EPA, 1977)
Strontium-89/90[c]	µCi/mL	4E–09	8E–09	Final DWS (EPA, 1996)
Strontium-90	µCi/mL	4E–09	8E–09	Final DWS (EPA, 1996)
Styrene	µg/L	50	100	Final DWS (EPA, 1996)
Sulfate	µg/L	200,000	400,000	Proposed DWS (EPA, 1990)
Sulfide	µg/L	8,350	16,700	EPA Method 9030
Sulfotepp	µg/L	81	162	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.007	0.014	Final DWS (EPA, 1996)
2,3,7,8-TCDF	µg/L	0.00425	0.0085	EPA Method 8280
Technetium-99	µCi/mL	4.5E–07	9E–07	Interim Final DWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	81	162	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.007	0.014	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.0055	0.011	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	10	20	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	50	100	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final DWS (EPA, 1996)
2,3,4,6-Tetrachlorophenol	µg/L	83.5	167	EPA Method 8270
Thallium	µg/L	1	2	Final DWS (EPA, 1996)
Thallium, dissolved	µg/L	1	2	Final DWS (EPA, 1996)
Thallium, total recoverable	µg/L	1	2	Final DWS (EPA, 1996)
Thionazin	µg/L	81	162	EPA Method 8270
Thorium-228	µCi/mL	6.25E–08	1.25E–07	Proposed DWS (EPA, 1991a)
Thorium-230	µCi/mL	3.96E–08	7.92E–08	Proposed DWS (EPA, 1991a)
Thorium-232	µCi/mL	4.4E–08	8.8E–08	Proposed DWS (EPA, 1991a)
Thorium-234[a]	µCi/mL	2E–07	4.01E–07	Proposed DWS (EPA, 1991a)
Tin	µg/L	250	500	EPA Method 282.2
Tin, dissolved	µg/L	250	500	EPA Method 282.2
Tin, total recoverable	µg/L	250	500	EPA Method 282.2
Tin-113	µCi/mL	1.5E–07	3E–07	Interim Final DWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final DWS (EPA, 1996)
o-Toluidine	µg/L	81	162	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total coliform	N/A	0	0	Final DWS (EPA, 1996)
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	8,350	16,700	EPA Method 9060
Total organic carbon	µg/L	500,000	1,000,000	EPA Method 9060
Total organic halogens	µg/L	50	100	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	8,350	16,700	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 DWS (EPA, 1996)
2,4,5-TP (Silvex)	µg/L	25	50	Final DWS (EPA, 1996)
Tributyl phosphate	µg/L	86	172	EPA Method 8270
1,2,3-Trichlorobenzene	µg/L	5	10	EPA Method 8260
1,2,4-Trichlorobenzene	µg/L	35	70	Final DWS (EPA, 1996)
1,1,1-Trichloroethane	µg/L	100	200	Final DWS (EPA, 1996)
1,1,2-Trichloroethane	µg/L	2.5	5	Final DWS (EPA, 1996)
Trichloroethylene	µg/L	2.5	5	Final DWS (EPA, 1996)
Trichlorofluoromethane	µg/L	10	20	EPA Method 8240

Analyte	Unit	Flag 1	Flag 2	Source
2,4,5-Trichlorophenol	µg/L	5	10	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	0.5	1	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	0.25	0.5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	10	20	EPA Method 8240
Trichlorotrifluoroethane	µg/L	50	100	EPA Method 8260
O,O,O-Triethyl phosphorothioate	µg/L	81	162	EPA Method 8270
1,2,4-Trimethylbenzene	µg/L	5	10	EPA Method 8260
1,3,5-Trimethylbenzene	µg/L	5	10	EPA Method 8260
1,3,5-Trinitrobenzene	µg/L	81	162	EPA Method 8270
Tritium	µCi/mL	1E–05	2E–05	Final DWS (EPA, 1996)
Turbidity[e]		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed DWS (EPA, 1991a)
Uranium alpha activity	µCi/mL	1.5E–08	3E–08	Proposed DWS (EPA, 1991a)
Uranium, dissolved	µg/L	10	20	Proposed DWS (EPA, 1991a)
Uranium, total recoverable	µg/L	10	20	Proposed DWS (EPA, 1991a)
Uranium-233/234[c]	µCi/mL	6.9E–09	1.38E–08	Proposed DWS (EPA, 1991a)
Uranium-234	µCi/mL	6.95E–09	1.39E–08	Proposed DWS (EPA, 1991a)
Uranium-235	µCi/mL	7.25E–09	1.45E–08	Proposed DWS (EPA, 1991a)
Uranium-238	µCi/mL	7.3E–09	1.46E–08	Proposed DWS (EPA, 1991a)
Vanadium	µg/L	66.5	133	EPA Method 6010
Vanadium, dissolved	µg/L	66.5	133	EPA Method 6010
Vanadium, total recoverable	µg/L	66.5	133	EPA Method 6010
Vinyl acetate	µg/L	50	100	EPA Method 8240
m/p-Xylene	µg/L	81	162	EPA Method 8260
o-Xylene	µg/L	5	10	EPA Method 8260
Xylenes	µg/L	5,000	10,000	Final DWS (EPA, 1996)
Yttrium-88	µCi/mL	5E–08	1E–07	EPA Method 901.1
Zinc	µg/L	2,500	5,000	Secondary DWS (CFR, 1995b)
Zinc, dissolved	µg/L	2,500	5,000	Secondary DWS (CFR, 1995b)
Zinc, total recoverable	µg/L	2,500	5,000	Secondary DWS (CFR, 1995b)
Zinc-65	µCi/mL	1.5E–07	3E–07	Interim Final DWS (EPA, 1977)
Zirconium-95	µCi/mL	1E–07	2E–07	Interim Final DWS (EPA, 1977)
Zirconium/Niobium-95[a]	µCi/mL	1E–07	2E–07	Interim Final DWS (EPA, 1977)

[a] EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS groundwater monitoring program.
[b] EPD/EMS set this flagging criterion using the 1991 proposed DWS because the final DWS in 1977 may have been in error.
[c] When radionuclide analyses are combined, the lowest DWS of the two isotopes is used for flagging.
[d] Will not trigger scheduling.
[e] 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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Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

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
Sp. conductance	specific conductance
TCDD	tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzo-p-furan

Laboratories

CN	Clemson Technical Center, Inc.
EM	Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) Laboratory
EX	EMAX Laboratories, Inc.
GE	General Engineering Laboratories, Inc.
QR	Quanterra
SC	Savannah River Technology Center
TM	Thermo NUtech
WA or WS	Recra LabNet Philadelphia, formerly Roy F. Weston, Inc., of Lionville, PA

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
N	well was not stabilized before sampling began
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe; for water-level events only
T	samples were collected, but some samples were not sent to the laboratory due to high turbidity
W	unable to sample because of stabilization or equipment failure; water-level measurements were obtained
X	well went dry during purging; samples collected after well recovered

Sampling Methods

B	sample collected using an open-bucket bailer
O	sample collected by method other than bailer or pump
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

mg/L	milligrams per liter
msl	mean sea level
MSL	million structures per liter
NTU	nephelometric 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
DF	*dilution factor* column in data tables
E	exponential notation (e.g., 1.1E–09 = 1.1×10^{-9} = 0.0000000011)
H	*holding time* column in data tables
Mod	*modifier* column in data tables
PDWS	primary drinking water standard
PVC	polyvinyl chloride
ST	*exceeded the final PDWS or screening level* column in data tables
TOC	top of casing

Results below Detection

For radiological analyses, the analytical result field contains the result recorded on the analytical instrument and reported by the laboratory, even if it is negative. For nonradiological analyses, if the analyte is not detected, the sample-specific estimated quantitation limit (EQL) is entered into the result field and is reported with a less than [<] sign. The EQL is defined as the lowest concentration that can be achieved reliably within specified limits of precision and accuracy during routine laboratory operating conditions. The sample-specific EQL is modified for sample concentration or dilution or unusual aliquot size that affects analytical sensitivity.

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 large bullet (•) in the *H*

(holding time) column indicates that holding time was exceeded. Analyses performed beyond holding times may not yield valid results.

The South Carolina Department of Health and Environmental Control (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 for the determination of specific conductance allows one day to elapse between sampling and analysis. Thus, laboratory specific conductance measurements may exceed the holding time criterion.

Data Rounding

Constituent results in analytical results tables that appear to equal the final PDWS may be below the final PDWS in the database because values stored in the database contain more significant digits than the reported results. Thus, apparent discrepancies in the tables are due to the rounding of reported results.

Data Qualification

The contract laboratories submit sample- or batch-specific quality assurance/quality control information either at the same time as analytical results or in a quarterly summary. Properly defined and used data modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Modifiers designed by EPD/EMS and provided to the primary laboratories are defined below. These modifiers appear in the data tables under the column *Mod*. The lettered modifiers are based on EPA's STORET codes.

Modifiers

(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
E	The reported value is between the method detection limit and the sample-specific EQL.
I	The value in the result field is the instrument reading, not the sample quantitation limit. Always used with the result qualifier *U*.
J	Value is estimated because quantitation in the sample or in associated quality control samples did not meet specifications.
L	Value is off-scale high. The actual value is not known but is known to be greater than the value shown.
M	Presence of the analyte is verified but not quantified.
R	Result was rejected because performance requirements in the sample analysis or associated quality control analyses were not met.
T	Analyte was not detected; if present, it was below the criteria for detection.
V	Analyte was detected in both the sample and an associated method blank.
Y	Result was obtained from an unpreserved or improperly preserved sample. Data may not be accurate.
1	Result may be an underestimation of the true value due to analytical bias.
2	Result may be an overestimation of the true value due to analytical bias.

Note: These are only some of the qualifiers present in the database. All modifiers associated with the data are published in the result tables of EPD/EMS' quarterly groundwater monitoring reports, the official repository of the data.

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

WELL P 26A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N72010.4 E18055.9	33.214463 °N 81.759058 °W	32.0-22.0 ft msl	154.5 ft msl	154 ft msl	4" PVC	S	Semiconfined

SAMPLE DATE	02/04/97	05/01/97	09/04/97	12/04/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	38.2	37.0	38.6	38.0	ft msl
pH	5.4	5.4	5.3	5.1	pH
Sp. conductance	40	38	37	35	µS/cm
Water temperature	26.0	30.0	20.2	19.8	°C
Alkalinity as $CaCO_3$	4	5	8	5	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	0	1	0	1	NTU
Volume purged	150	140	0	135	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	1.5E+00	*8.9E-01*	1.4E+00	2.4E+00	1		pCi/L	TM
		Lead, total recoverable	<13	26	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.70	1		µg/L	WA
●		Nitrate-nitrite as nitrogen	9,800	2.0	<20	<20	1	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA

WELL TBG 1

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71429.5 E17134.7	33.211674 °N 81.760351 °W	109.1-89.1 ft msl	151.4 ft msl	151.2 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/18/97	05/14/97	09/04/97	12/09/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	51.6	53.1	54.3	52.4	ft msl
pH	4.6	4.8	4.6	4.6	pH
Sp. conductance	100	140	96	100	µS/cm
Water temperature	31.0	25.0	23.0	21.1	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	1	0	0	NTU
Volume purged	32	4	37	27	gallons
Sampling code		XN			

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
	■	Carbon tetrachloride	*13*	*10*	3.0	*8.6*	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
	■	Gross alpha	6.6E+00	*1.6E+01*	1.1E+01	*2.0E+01*	1		pCi/L	TM
		Lead, total recoverable	<47	48	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.090	1	V	µg/L	WA
		Nitrate-nitrite as nitrogen	*14,000*	*12,000*	8,200	7,500	20		µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
	■	Trichloroethylene	*27*	4.3	*11*	*12*	1		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Radionuclide results in italics are instrument readings less than sample quantitation limit. Dilution factor, modifier, and laboratory are for fourth quarter 1997 only.
● = exceeded holding time for fourth quarter 1997.
■ = exceeded Drinking Water Protection Standard for fourth quarter 1997.

WELL TBG 3

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71324.1 E17177.7	33.211511 °N 81.760033 °W	108.9-88.9 ft msl	151.4	151.2 ft msl	4" PVC	S	Unconfined

SAMPLE DATE: 03/05/97 | 05/15/97 | 09/03/97 | 12/16/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	49.0	50.5	50.3	49.4	ft msl
pH	4.2	4.7	4.2	4.5	pH
Sp. conductance	180	180	140	150	µS/cm
Water temperature	32.0	30.0	25.0	16.9	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	14	9	4	8	NTU
Volume purged	8	10	7	11	gallons
Sampling code	XN	XN	XN	XN	

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
	■	Carbon tetrachloride	***240***	***160***	***180***	***140***	10		µg/L	WA
		Chloroform	8.6	6.3	9.1	<10	10		µg/L	WA
	■	Gross alpha	1.4E+01	***1.8E+01***	***1.7E+01***	***1.6E+01***	1		pCi/L	TM
		Lead, total recoverable	<47	<47	<47	9.4	1	JE	µg/L	WA
		Mercury, total recoverable	0.57	0.61	0.31	0.42	1	JE	µg/L	WA
	■	Nitrate-nitrite as nitrogen	***17,000***	***19,000***	***16,000***	***15,000***	50		µg/L	WA
		Tetrachloroethylene	***7.9***	***5.6***	4.9	<10	10		µg/L	WA
	■	Trichloroethylene	***340***	***260***	***240***	***220***	10		µg/L	WA

WELL TBG 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71267.1 E17177.7	33.211385 °N 81.759923 °W	109.3-89.3 ft msl	151.6	151.3 ft msl	4".PVC	V	Unconfined

SAMPLE DATE: 03/10/97 | 05/15/97 | 09/02/97 | 12/16/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	48.7	50.0	50.6	49.5	ft msl
pH	3.8	4.0	3.8	3.8	pH
Sp. conductance	240	280	260	310	µS/cm
Water temperature	26.0	31.0	24.0	22.1	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	1	1	1	NTU
Volume purged	38	46	40	7	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
	■	Carbon tetrachloride	***200***	***180***	***220***	***140***	10		µg/L	WA
		Chloroform	5.7	5.2	6.8	<10	10		µg/L	WA
	■	Gross alpha	***2.7E+01***	***3.6E+01***	***3.7E+01***	***2.8E+01***	1		pCi/L	TM
	■	Lead, total recoverable	<47	<47	<47	***120***	1		µg/L	WA
	■	Mercury, total recoverable	1.8	***2.4***	***2.8***	***3.7***	1		µg/L	WA
	■	Nitrate-nitrite as nitrogen	***26,000***	***31,000***	***30,000***	***32,000***	50		µg/L	WA
	■	Tetrachloroethylene	***27***	***24***	***26***	***16***	10		µg/L	WA
	■	Trichloroethylene	***360***	***330***	***400***	***260***	10		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Radionuclide results in italics are instrument readings less than sample quantitation limit. Dilution factor, modifier, and laboratory are for fourth quarter 1997 only.
● = exceeded holding time for fourth quarter 1997.
■ = exceeded Drinking Water Protection Standard for fourth quarter 1997.

WELL TBG 5

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71226.5 E17354.5	33.211584 °N 81.759379 °W	112.4-92.4 ft msl	149.6	149.4 ft msl	4" PVC	B	Unconfined

SAMPLE DATE	03/12/97	05/15/97	09/02/97	12/16/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	47.1	48.5	49.6	48.3	ft msl
pH	5.0	5.0	5.0	4.5	pH
Sp. conductance	56	66	70	65	µS/cm
Water temperature	29.0	30.0	26.0	21.9	°C
Alkalinity as $CaCO_3$	3	1	2	3	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	2	3	5	NTU
Volume purged	18	18	6	5	gallons
Sampling code			XN		

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	1.2	1.4	<50	<50	50		µg/L	WA
		Chloroform	<5.0	<5.0	<50	<50	50		µg/L	WA
		Gross alpha	9.8E-01	1.2E+00	1.3E+00	2.9E+00	1		pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.70	1		µg/L	WA
		Nitrate-nitrite as nitrogen	3,300	3,400	4,800	3,900	10		µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<50	<50	50		µg/L	WA
	■	Trichloroethylene	*1,200*	*1,500*	*1,800*	*1,400*	50		µg/L	WA

WELL TBG 5A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71206.8 E17348.8	33.211531 °N 81.759355 °W	80.0-70.0 ft msl	150.2	150 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	02/28/97	05/30/97	09/03/97	12/05/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	47.8	49.8	50.3	49.1	ft msl
pH	5.0	4.6	5.3	5.1	pH
Sp. conductance	28	26	29	30	µS/cm
Water temperature	32.0	21.0	23.3	21.0	°C
Alkalinity as $CaCO_3$	3	1	5	5	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	2	1	1	NTU
Volume purged	56	68	52	61	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	9.6E-01	4.1E+00	*8.0E-02*	1.1E+00	1		pCi/L	TM
		Lead, total recoverable	<47	8.0	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.20	<0.70	<0.70	1		µg/L	WA
	●	Nitrate-nitrite as nitrogen	580	650	750	670	1	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Radionuclide results in italics are instrument readings less than sample quantitation limit. Dilution factor, modifier, and laboratory are for fourth quarter 1997 only.
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WELL TBG 5B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71216.8 E17354.8	33.211563 °N 81.759359 °W	56.2-46.2 ft msl	149.6	149.4 ft msl	4" PVC	S	Semiconfined

SAMPLE DATE	02/28/97	05/13/97	09/03/97	12/05/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	36.3	37.1	37.8	38.6	ft msl
pH	5.0	5.0	5.1	4.5	pH
Sp. conductance	32	32	32	33	µS/cm
Water temperature	31.0	28.0	22.0	20.5	°C
Alkalinity as $CaCO_3$	1	2	3	2	mg/L
Phenolthalein alkalinity	0	0	0	0	mg/L
Turbidity	3	4	2	2	NTU
Volume purged	106	162	125	103	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	*4.6E-01*	*2.1E-01*	*4.5E-01*	*3.4E-01*	1	UI	pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.70	1		µg/L	WA
●		Nitrate-nitrite as nitrogen	<20	<20	4.0	4.0	1	JE	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA

WELL TBG 6

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71482.3 E17290.5	33.212045 °N 81.760044 °W	109.1-89.1 ft msl	148.3	148.1 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/10/97	05/16/97	09/03/97	12/16/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	45.8	47.2	48.0	46.6	ft msl
pH	4.4	4.2	4.6	4.7	pH
Sp. conductance	100	100	120	120	µS/cm
Water temperature	25.0	21.0	22.0	22.3	°C
Alkalinity as $CaCO_3$	4	1	0	1	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	16	7	10	4	NTU
Volume purged	12	12	12	19	gallons
Sampling code	XN	XN	XN		

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
	■	Carbon tetrachloride	***11***	***14***	***24***	***18***	2		µg/L	WA
		Chloroform	<50	1.4	<5.0	<2.0	2		µg/L	WA
		Gross alpha	7.9E+00	6.8E+00	7.0E+00	7.5E+00	1		pCi/L	TM
		Lead, total recoverable	<47	4.9	<47	<47	1		µg/L	WA
		Mercury, total recoverable	0.30	0.10	0.44	0.29	1	JE	µg/L	WA
	■	Nitrate-nitrite as nitrogen	7,900	***10,000***	***13,000***	***11,000***	25		µg/L	WA
		Tetrachloroethylene	<50	<5.0	<5.0	<2.0	2		µg/L	WA
	■	Trichloroethylene	***1,700***	***1,400***	***120***	***62***	2		µg/L	WA

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WELL TNX 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71613.5 E16699.6	33.211370 °N 81.761853 °W	99.6-79.6 ft msl	156.7	156.5 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	02/28/97	05/08/97	09/03/97	12/04/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	56.9	58.1	59.5	58.2	ft msl
pH	5.6	5.4	5.5	4.9	pH
Sp. conductance	34	38	41	41	µS/cm
Water temperature	30.0	31.0	20.8	19.7	°C
Alkalinity as $CaCO_3$	7	7	12	9	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	2	1	1	1	NTU
Volume purged	33	112	37	38	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	*8.6E-02*	*5.5E-02*	*9.0E-02*	*5.5E-01*	1	UI	pCi/L	TM
		Lead, total recoverable	<47	5.8	6.2	<47	1		µg/L	WA
		Mercury, total recoverable	0.15	*2.3*	0.36	0.28	1	JE	µg/L	WA
●		Nitrate-nitrite as nitrogen	38	<13	<20	3.0	1	JE	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA

WELL TNX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71452.0 E16788.2	33.211157 °N 81.761306 °W	102.8-82.8 ft msl	155.3	155.1 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	02/28/97	05/08/97	09/03/97	12/04/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	56.0	57.5	59.0	57.5	ft msl
pH	5.0	5.4	5.8	5.7	pH
Sp. conductance	54	46	41	40	µS/cm
Water temperature	32.0	32.0	22.6	20.5	°C
Alkalinity as $CaCO_3$	7	8	8	14	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	2	1	9	1	NTU
Volume purged	22	52	1	26	gallons
Sampling code	XN		XN		

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	8.1E-01	*6.4E-01*	*5.5E-01*	2.0E+00	1		pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.70	1		µg/L	WA
●		Nitrate-nitrite as nitrogen	880	240	110	97	1	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA

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WELL TNX 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71236.7 E17043.1	33.211098 °N 81.760217 °W	104.9-84.9 ft msl	154.5	154.3 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/05/97	05/16/97	09/03/97	12/16/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	54.7	57.3	55.7	56.7	ft msl
pH	5.6	4.0	4.6	5.5	pH
Sp. conductance	160	180	100	98	µS/cm
Water temperature	30.0	18.0	23.0	18.0	°C
Alkalinity as $CaCO_3$	11	1	4	9	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	15	6	2	18	NTU
Volume purged	4	5	4	4	gallons
Sampling code	XN	XN	XN	XN	

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
	■	Carbon tetrachloride	***36***	***58***	***48***	***21***	2		µg/L	WA
		Chloroform	2.9	2.2	1.9	<2.0	2		µg/L	WA
		Gross alpha	3.7E+00	7.0E+00	5.4E+00	5.6E+00	1		pCi/L	TM
		Lead, total recoverable	6.1	46	5.4	<47	1		µg/L	WA
	■	Mercury, total recoverable	1.3	0.58	0.61	***2.0***	1		µg/L	WA
		Nitrate-nitrite as nitrogen	***17,000***	***11,000***	940	7,300	20		µg/L	WA
	■	Tetrachloroethylene	***14***	***9.1***	***8.8***	***9.6***	2		µg/L	WA
	■	Trichloroethylene	***140***	***120***	***92***	***59***	2		µg/L	WA

WELL TNX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71002.7 E17223.0	33.210875 °N 81.759290 °W	105.5-85.5 ft msl	150.0	149.8 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	02/28/97	05/09/97	09/08/97	12/05/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	48.4	49.5	51.0	49.7	ft msl
pH	5.0	5.8	4.7	4.7	pH
Sp. conductance	78	74	76	75	µS/cm
Water temperature	32.0	33.0	21.4	21.4	°C
Alkalinity as $CaCO_3$	2	0	2	0	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	14	12	18	14	NTU
Volume purged	12	6	5	6	gallons
Sampling code	XN	XN	LN	XN	

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	***5.0***	4.7	4.8	3.9	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	3.2E+00	7.6E+00	1.4E+01	5.3E+00	1		pCi/L	TM
		Lead, total recoverable	7.1	4.8	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	0.090	<0.70	<0.10	1	V	µg/L	WA
	●	Nitrate-nitrite as nitrogen	***12,000***	7,100	5,800	5,100	10	J	µg/L	WA
		Tetrachloroethylene	3.7	3.4	3.0	2.6	1		µg/L	WA
		Trichloroethylene	3.6	3.8	3.3	2.7	1		µg/L	WA

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WELL TNX 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71738.1 E17080.6	33.212267 °N 81.761093 °W	103.6-83.6 ft msl	151.1	150.9 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/06/97	05/09/97	09/04/97	12/04/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	49.6	50.7	52.1	50.9	ft msl
pH	5.2	4.8	4.8	5.3	pH
Sp. conductance	42	36	32	30	µS/cm
Water temperature	29.0	31.0	21.0	19.5	°C
Alkalinity as $CaCO_3$	7	7	4	8	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	9	5	2	2	NTU
Volume purged	13	11	10	17	gallons
Sampling code	XN	XN	XN		

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	*7.8E-01*	9.2E-01	6.9E-01	*4.2E-01*	1	UI	pCi/L	TM
		Lead, total recoverable	40	*60*	5.6	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.70	1		µg/L	WA
●		Nitrate-nitrite as nitrogen	920	75	33	29	1	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA

WELL TNX 8D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70591.9 E16168.3	33.208244 °N 81.761264 °W	94.0-74.0 ft msl	100.5	100.3 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	02/28/97	05/08/97	09/03/97	12/08/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	5.4	6.7	7.4	7.3	ft msl
pH	5.0	5.4	5.0	4.9	pH
Sp. conductance	100	130	120	130	µS/cm
Water temperature	24.0	28.0	22.0	16.9	°C
Alkalinity as $CaCO_3$	14	6	8	10	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	3	2	2	1	NTU
Volume purged	59	170	181	57	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1	J	µg/L	EX
		Chloroform	1.2	<5.0	1.0	1.5	1	J	µg/L	EX
		Gross alpha	*-4.6E-02*	*5.6E-01*	*4.1E-01*	1.3E+00	1	J1	pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<5.0	1		µg/L	EX
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.080	1	V	µg/L	WA
		Nitrate-nitrite as nitrogen	6,500	5,000	4,500	4,300	1		µg/L	EX
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1	J	µg/L	EX
	■	Trichloroethylene	1.7	2.2	2.6	*5.3*	1		µg/L	EX

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WELL TNX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70791.4 E16145.8	33.208648 °N 81.761711 °W	95.4-75.4 ft msl	101.9	101.7 ft msl	4" PVC	S	Unconfined

SAMPLE DATE

	02/28/97	05/27/97	09/03/97	12/05/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	6.9	9.1	9.9	8.8	ft msl
pH	4.6	5.0	4.8	4.9	pH
Sp. conductance	100	120	100	120	µS/cm
Water temperature	24.0	21.0	20.0	19.1	°C
Alkalinity as $CaCO_3$	7	3	0	8	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	6	1	0	2	NTU
Volume purged	63	51	108	42	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	*4.7E-01*	6.2E+00	2.0E+00	1.1E+00	1	J1	pCi/L	TM
		Lead, total recoverable	<47	16	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.20	<0.70	<0.070	1	V	µg/L	WA
●		Nitrate-nitrite as nitrogen	1,000	1,400	690	1,100	2	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	1.4	1.9	<5.0	<1.0	1		µg/L	WA

WELL TNX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70999.3 E16166.7	33.209142 °N 81.762060 °W	97.0-77.0 ft msl	102.5	102.3 ft msl	4" PVC	S	Unconfined

SAMPLE DATE

	02/27/97	05/29/97	08/25/97	12/08/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	7.7	10.0	10.5		ft msl
pH	4.8	4.6	4.6		pH
Sp. conductance	100	160	200		µS/cm
Water temperature	26.0	25.0	19.5		°C
Alkalinity as $CaCO_3$	1		5		mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	11	8	14		NTU
Volume purged	0	30	42	0	gallons
Sampling code				PN	

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	1.9	2.7	2.5				µg/L	
		Chloroform	<2.5	<5.0	<5.0				µg/L	
		Gross alpha	5.5E+00	1.3E+01	1.4E+01				pCi/L	
		Lead, total recoverable	<5.0	<47	<47				µg/L	
		Mercury, total recoverable	<0.20	<0.70	<0.70				µg/L	
		Nitrate-nitrite as nitrogen	9,100	***13,000***	***14,000***				µg/L	
		Tetrachloroethylene	<1.9	<5.0	<5.0				µg/L	
		Trichloroethylene	***28***	***39***	***51***				µg/L	

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WELL TNX 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71199.3 E16165.5	33.209582 °N 81.762452 °W	93.2-73.2 ft msl	100.3	99.8 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/25/97	05/13/97	09/04/97	12/05/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	6.6	7.1	8.2	7.6	ft msl
pH	4.8	4.8	5.1	4.9	pH
Sp. conductance	50	48	47	43	µS/cm
Water temperature	30.0	28.0	20.9	19.9	°C
Alkalinity as $CaCO_3$	3	0	1	1	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	4	2	2	1	NTU
Volume purged	278	78	130	76	gallons
Sampling code	WN				

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	*6.6E-01*	*4.9E-01*	1.4E+00	*4.3E-01*	1	UI	pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.13	<0.080	1	V	µg/L	WA
●		Nitrate-nitrite as nitrogen	320	140	200	100	1	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	*11*	*5.2*	*6.8*	1.6	1		µg/L	WA

WELL TNX 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71598.3 E16176.3	33.210481 °N 81.763199 °W	93.1-73.1 ft msl	99.4	99.2 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/04/97	05/13/97	09/04/97	12/08/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	3.5	5.0	5.9	4.9	ft msl
pH	6.2	5.8	5.6	5.9	pH
Sp. conductance	68	56	58	61	µS/cm
Water temperature	28.0	24.0	20.0	18.8	°C
Alkalinity as $CaCO_3$	18	15	16	22	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	0	1	0	1	NTU
Volume purged	49	110	43	42	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1	J	µg/L	EX
		Chloroform	<5.0	<5.0	<5.0	<1.0	1	J	µg/L	EX
		Gross alpha	*2.9E-01*	1.3E+00	1.5E+00	1.2E+00	1	J1	pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<5.0	1		µg/L	EX
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.20	1		µg/L	EX
●		Nitrate-nitrite as nitrogen	<200	4.0	5.0	3.0	1	JE	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1	J	µg/L	EX
		Trichloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	EX

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Radionuclide results in italics are instrument readings less than sample quantitation limit. Dilution factor, modifier, and laboratory are for fourth quarter 1997 only.
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WELL TNX 27D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71180.1 E16609.2	°N °W	101.3-81.3 ft msl	110.6	110.6 ft msl	2" PVC	V	Unconfined

SAMPLE DATE	03/24/97	06/02/97	09/08/97	12/09/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	13.8	15.0	16.5	14.2	ft msl
pH	5.4	5.4	4.7	5.9	pH
Sp. conductance	72	84	76	100	µS/cm
Water temperature	22.0	27.0	21.2	18.2	°C
Alkalinity as $CaCO_3$	2	4	0	16	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	7	1	1	1	NTU
Volume purged	11	15	11	26	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	***14.1***	***27.7***	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	1.93	<1.0	1		µg/L	WA
		Gross alpha	*3.96E-10*	1.43E-09	2.48E-09	*7.10E-10*	1	UI	pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.70	<0.07	1	V	µg/L	WA
		Nitrate as nitrogen	2,060	5,650	5,930	3,560	1		µg/L	WA
●		Nitrate-nitrite as nitrogen	1,570	708			1		µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<5.0	***159***	***554***	<1.0	1		µg/L	WA

WELL XSB 1A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71105.4 E16883.0	33.210546 °N 81.760383 °W	53.6-43.6 ft msl	156.2	156 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/14/97	05/14/97	09/03/97	12/04/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	57.5	59.9	61.3	59.5	ft msl
pH	4.8	5.2	5.3	5.1	pH
Sp. conductance	66	72	80	86	µS/cm
Water temperature	28.0	29.0	22.6	21.4	°C
Alkalinity as $CaCO_3$	7	7	9	6	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	1	0	0	NTU
Volume purged	226	200	79	168	well volume
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<2.6	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<2.5	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	*-1.8E-01*	*2.8E-01*		1.1E+00	1	J1	pCi/L	TM
		Lead, total recoverable	<5.0	<47	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.20	<0.70	<0.70	<0.70	1		µg/L	WA
●		Nitrate-nitrite as nitrogen	3,900	3,300	3,400	2,900	5	J	µg/L	WA
		Tetrachloroethylene	<1.9	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<3.0	<5.0	<5.0	<1.0	1		µg/L	WA

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WELL XSB 1B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71105.0 E16872.9	33.210529 °N 81.760409 °W	74.6-64.6 ft msl	156.2	155.9 ft msl	4" PVC	S	Semiconfined

SAMPLE DATE	03/17/97	05/14/97	09/08/97	12/04/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	51.9	54.9	56.9	55.5	ft msl
pH	4.8	5.6	5.7	5.1	pH
Sp. conductance	34	32	34	33	µS/cm
Water temperature	25.0	28.0	21.6	22.2	°C
Alkalinity as $CaCO_3$	5	6	10	6	mg/L
Phenolthalein alkalinity	0	0	0	0	mg/L
Turbidity	2	2	9	6	NTU.
Volumes purged	180	210	170	147	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	*4.1E-01*	1.1E+00	2.9E+00	1.3E+00	1	J1	pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<47	1		µg/L	WA
		Mercury, total recoverable	<0.70	<0.70	<0.50	<0.70	1		µg/L	WA
●		Nitrate-nitrite as nitrogen	8.0	5.0	12	<20	1	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA

WELL XSB 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71104.8 E16893.5	33.210562 °N 81.760354 °W	107.9-87.9 ft msl	156.2	156 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/03/97	06/04/97	09/02/97	12/16/97
FIELD DATA				
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	57.1	60.3	61.3	59.5	ft msl
pH	4.6	4.4	4.6	4.7	pH
Sp. conductance	300	76	100	110	µS/cm
Water temperature	33.0	30.0	23.0	21.5	°C
Alkalinity as $CaCO_3$	0	0	0	0	mg/L
Phenolphthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	1	1	2	NTU
Volume purged	21	33	44	24	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	2.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	1.1	<1.0	1		µg/L	WA
		Gross alpha	5.3E+00	1.9E+00	2.6E+00	5.3E+00	1		pCi/L	TM
		Lead, total recoverable	6.2	*75*	<47	<47	1		µg/L	WA
		Mercury, total recoverable	1.4	0.13	0.14	0.12	1	JE	µg/L	WA
		Nitrate-nitrite as nitrogen	*13,000*	3,900	5,200	2,700	5		µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
■		Trichloroethylene	*120*	*12*	*9.2*	*5.5*	1		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Radionuclide results in italics are instrument readings less than sample quantitation limit. Dilution factor, modifier, and laboratory are for fourth quarter 1997 only.
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WELL XSB 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71086.0 E16823.1	33.210406 °N 81.760503 °W	104.0-84.0 ft msl	155.0	154.8 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/05/97	05/16/97	09/02/97	12/16/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	56.2	57.7	60.1	58.3	ft msl
pH	6.2	5.4	5.0	5.5	pH
Sp. conductance	280	120	200	130	µS/cm
Water temperature	28.0	20.0	24.0	22.7	°C
Alkalinity as $CaCO_3$	91	2	8	13	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	5	2	1	1	NTU
Volume purged	7	6	91	24	gallons
Sampling code	XN	XN			

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	***8.8***	3.7	1.7	1.4	1		µg/L	WA
		Chloroform	1.4	<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha	3.1E+00	1.9E+00	3.9E+00	3.0E+00	1		pCi/L	TM
		Lead, total recoverable	7.8	17	<47	<47	1		µg/L	WA
		Mercury, total recoverable	0.070	<0.70	0.53	<0.70	1		µg/L	WA
		Nitrate-nitrite as nitrogen	***12,000***	***10,000***	***21,000***	7,400	20		µg/L	WA
		Tetrachloroethylene	1.6	1.2	<5.0	<1.0	1		µg/L	WA
	■	Trichloroethylene	***120***	***56***	***74***	27	1		µg/L	WA

WELL XSB 3A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70915.3 E16901.3	33.210156 °N 81.759966 °W	103.2-87.4 ft msl	157.3	157 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/18/97	05/14/97	09/03/97	12/05/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	57.9	59.6	60.1	59.5	ft msl
pH	5.0	5.0	5.0	4.8	pH
Sp. conductance	120	120	140	170	µS/cm
Water temperature	32.0	30.0	23.0	21.2	°C
Alkalinity as $CaCO_3$	5	5	5	6	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	1	1	1	NTU
Volume purged	40	102	75	35	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	0.95	<1.0	1		µg/L	WA
		Gross alpha	3.4E+00	3.0E+00		3.2E+00	1		pCi/L	TM
		Lead, total recoverable	20	<47	11	7.5	1	JE	µg/L	WA
		Mercury, total recoverable	1.5	0.29	0.41	0.45	1	JEV	µg/L	WA
●		Nitrate-nitrite as nitrogen	***15,000***	6,000	7,500	6,200	10	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
	■	Trichloroethylene	***24***	***6.2***	***35***	***8.2***	1		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Radionuclide results in italics are instrument readings less than sample quantitation limit. Dilution factor, modifier, and laboratory are for fourth quarter 1997 only.
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WELL XSB 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70997.9 E16826.2	33.210216 °N 81.760324 °W	103.9-83.9 ft msl	155.2	154.9 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/18/97	05/14/97	09/03/97	12/05/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	56.9	58.7	60.1	58.5	ft msl
pH	4.8	5.2	5.2	5.2	pH
Sp. conductance	100	100	111	150	µS/cm
Water temperature	31.0	29.0	23.1	20.3	°C
Alkalinity as $CaCO_3$	7	5	7	11	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	1	1	1	NTU
Volume purged	34	105	35	32	gallons
Sampling code					

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform	<5.0	<5.0	0.98	<1.0	1		µg/L	WA
		Gross alpha	1.6E+00	1.6E+00		2.1E+00	1		pCi/L	TM
		Lead, total recoverable	<47	<47	<47	<47	1		µg/L	WA
		Mercury, total recoverable	0.82	<0.70	0.12	<0.16	1	V	µg/L	WA
●		Nitrate-nitrite as nitrogen	***10,000***	6,800	4,700	4,900	10	J	µg/L	WA
		Tetrachloroethylene	<5.0	<5.0	<5.0	<1.0	1		µg/L	WA
		Trichloroethylene	***64***	***49***	3.2	2.9	1		µg/L	WA

WELL XSB 5A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70956.3 E16703.7	33.209924 °N 81.760565 °W		112.2 ft msl	112 ft msl	PVC	S	Unconfined

SAMPLE DATE	06/10/97	09/04/97	12/09/97

FIELD DATA

Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water		22.3	14.4	14.0	ft msl
pH		4.8	5.5	5.3	pH
Sp. conductance		120	115	220	µS/cm
Water temperature		19.0	21.1	19.9	°C
Alkalinity as $CaCO_3$		2	13	10	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity		13	7	1	NTU
Volume purged	0	87	5	44	well volume
Sampling code	PN	PN	XNA		

ANALYTICAL DATA

H	ST	Parameter	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Lab
		Carbon tetrachloride		<5.0	<5.0	<1.0	1		µg/L	WA
		Chloroform		<5.0	<5.0	<1.0	1		µg/L	WA
		Gross alpha		7.3E+00	3.7E+00	3.7E+00	1		pCi/L	TM
		Lead, total recoverable		***240***	25	30	1	JE	µg/L	WA
		Mercury, total recoverable		0.98	0.55	1.6	1	V	µg/L	WA
■		Nitrate-nitrite as nitrogen		***16,000***	***10,000***	***17,000***	50		µg/L	WA
		Tetrachloroethylene		<5.0	<5.0	<1.0	1		µg/L	WA
■		Trichloroethylene		***97***	***49***	***35***	1		µg/L	WA

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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
N72010.4 E18055.9	33.214463 °N 81.759058 °W	32.0-22.0 ft msl	154.5	154 ft msl	4" PVC	S	Semiconfined

SAMPLE DATE 09/04/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	38.6	ft msl
pH	5.3	pH
Sp. conductance	37	µS/cm
Water temperature	20.2	°C
Alkalinity as $CaCO_3$	8	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	0	NTU
Volume purged	0	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<4.1	1	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.052	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	3.3	1	JE			1	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	25	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	0.56	1	JE			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<3.9	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	0.54	1	JE			0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL P 26A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<3.6	1	V			0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	0.75	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	<3.7	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<4.0	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
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WELL P 26A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.052	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<5.8E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<5.4E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.052	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<1.9	1	V			0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<5.7E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L

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WELL P 26A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	0.87	1	JE			0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	12,000	1				1	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1	J			0	Recra	µg/L
2,3,7,8-TCDD	<1.8E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.8E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.9E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	8.6	1	JE			0	Recra	µg/L

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WELL TBG 1

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71429.5 E17134.7	33.211674 °N 81.760351 °W	109.1-89.1 ft msl	151.4	151.2 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/04/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	54.3	ft msl
pH	4.6	pH units
Sp. conductance	96	µS/cm
Water temperature	23.0	°C
Alkalinity as $CaCO_3$	0	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	0	NTU
Volume purged	37	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<5.2	1	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<4.9	1	V			0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	5.6	1	JE			1	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	100	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	0.89	1	JE			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<10	1				0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	3.0	1	JE			1	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

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WELL TBG 1 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<2.7	1	V			0	Recra	µg/L
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	1.1	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<3.4	1	V			0	Recra	µg/L
Copper, total recoverable	<6.3	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<8.6	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
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WELL TBG 1 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<5.7E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.3E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<2.3	1	V			0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<4.6E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 1 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	1.2	1	JE			0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1	J			0	Recra	µg/L
2,3,7,8-TCDD	<1.7E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.7E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.8E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	*11*	1		■		2	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	15	1	JE			0	Recra	µg/L

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WELL TBG 3

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71324.1 E17177.7	33.211511 °N 81.760033 °W	108.9-88.9 ft msl	151.4	151.2 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	50.3	ft msl
pH	4.2	pH units
Sp. conductance	140	µS/cm
Water temperature	25.0	°C
Alkalinity as $CaCO_3$	0	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	4	NTU
Volume purged	7	gallons
Sampling code	XN	

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<11	1				0	Recra	µg/L
Acenaphthylene	<11	1				0	Recra	µg/L
Acetone	<20	2				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<40	2				0	Recra	µg/L
Acetophenone	<11	1				0	Recra	µg/L
2-Acetylaminofluorene	<11	1				0	Recra	µg/L
Acrolein	<40	2				0	Recra	µg/L
Acrylonitrile	<10	2				0	Recra	µg/L
Aldrin	<0.053	1				0	Recra	µg/L
Allyl chloride	<20	2				0	Recra	µg/L
4-Aminobiphenyl	<11	1				0	Recra	µg/L
Aniline	<11	1				0	Recra	µg/L
Anthracene	<11	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<22	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	130	1				0	Recra	µg/L
Benzene	<10	2				0	Recra	µg/L
alpha-Benzenehexachloride	<0.053	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.053	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.053	1				0	Recra	µg/L
Benzo[*a*]anthracene	<11	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<11	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<11	1				0	Recra	µg/L
Benzoic acid	1.8	1	JE			0	Recra	µg/L
Benzo[*g,h,i*]perylene	<11	1				0	Recra	µg/L
Benzo[*a*]pyrene	<11	1				0	Recra	µg/L
Benzyl alcohol	<11	1				0	Recra	µg/L
Beryllium, total recoverable	***4.2***	1		■		2	Recra	µg/L
Bis(2-chloroethoxy) methane	<11	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<11	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<11	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<11	1				0	Recra	µg/L
Bromodichloromethane	<10	2				0	Recra	µg/L
Bromoform	<10	2				0	Recra	µg/L
Bromomethane	<20	2				0	Recra	µg/L
4-Bromophenyl phenyl ether	<11	1				0	Recra	µg/L
Butyl benzyl phthalate	<11	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<55	1				0	Recra	µg/L
Cadmium, total recoverable	0.55	1	JE			0	Recra	µg/L
Carbon disulfide	<10	2				0	Recra	µg/L
Carbon tetrachloride	***180***	2		■		2	Recra	µg/L
alpha-Chlordane	<0.053	1				0	Recra	µg/L
gamma-Chlordane	<0.053	1				0	Recra	µg/L
4-Chloroaniline	<11	1				0	Recra	µg/L
Chlorobenzene	<10	2				0	Recra	µg/L
Chlorobenzilate	<11	1				0	Recra	µg/L
4-Chloro-m-cresol	<11	1				0	Recra	µg/L
Chloroethane	<20	2				0	Recra	µg/L

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WELL TBG 3 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<20	2				0	Recra	µg/L
Chloroform	9.1	2	JE			0	Recra	µg/L
Chloromethane	<20	2				0	Recra	µg/L
2-Chloronaphthalene	<11	1				0	Recra	µg/L
2-Chlorophenol	<11	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<11	1				0	Recra	µg/L
Chloroprene	<10	2				0	Recra	µg/L
Chromium, total recoverable	5.4	1	JE			0	Recra	µg/L
Chrysene	<11	1				0	Recra	µg/L
Cobalt, total recoverable	8.1	1				0	Recra	µg/L
Copper, total recoverable	<15	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<11	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<11	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.11	1				0	Recra	µg/L
p,p'-DDE	<0.11	1				0	Recra	µg/L
p,p'-DDT	<0.11	1				0	Recra	µg/L
Diallate	<11	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<11	1				0	Recra	µg/L
Dibenzofuran	<11	1				0	Recra	µg/L
Dibromochloromethane	<10	2				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<10	2				0	Recra	µg/L
1,2-Dibromoethane	<10	2				0	Recra	µg/L
Dibromomethane	<10	2				0	Recra	µg/L
Di-n-butyl phthalate	<1.5	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<11	1				0	Recra	µg/L
1,3-Dichlorobenzene	<11	1				0	Recra	µg/L
1,4-Dichlorobenzene	<11	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<22	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<40	2				0	Recra	µg/L
Dichlorodifluoromethane	<20	2				0	Recra	µg/L
1,1-Dichloroethane	<10	2				0	Recra	µg/L
1,2-Dichloroethane	<10	2				0	Recra	µg/L
1,1-Dichloroethylene	<10	2				0	Recra	µg/L
trans-1,2-Dichloroethylene	<10	2				0	Recra	µg/L
Dichloromethane	<2.8	2	V			0	Recra	µg/L
2,4-Dichlorophenol	<11	1				0	Recra	µg/L
2,6-Dichlorophenol	<11	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<10	2				0	Recra	µg/L
cis-1,3-Dichloropropene	<10	2				0	Recra	µg/L
trans-1,3-Dichloropropene	<10	2				0	Recra	µg/L
Dieldrin	<0.11	1				0	Recra	µg/L
Diethyl phthalate	<11	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<11	1				0	Recra	µg/L
Dimethyl phthalate	<11	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<11	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<11	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<11	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<11	1				0	Recra	µg/L
1,3-Dinitrobenzene	<11	1				0	Recra	µg/L
2,4-Dinitrophenol	<55	1				0	Recra	µg/L
2,4-Dinitrotoluene	<11	1				0	Recra	µg/L
2,6-Dinitrotoluene	<11	1				0	Recra	µg/L
Di-n-octyl phthalate	<11	1				0	Recra	µg/L
1,4-Dioxane	<11	1				0	Recra	µg/L
Diphenylamine	<11	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.11	1				0	Recra	µg/L
Endosulfan I	<0.053	1				0	Recra	µg/L
Endosulfan II	<0.11	1				0	Recra	µg/L
Endrin	<0.11	1				0	Recra	µg/L
Endrin aldehyde	<0.11	1				0	Recra	µg/L
Ethyl methacrylate	<11	1				0	Recra	µg/L
Ethyl methanesulfonate	<11	1				0	Recra	µg/L
Ethylbenzene	<10	2				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<11	1				0	Recra	µg/L
Fluorene	<11	1				0	Recra	µg/L
Heptachlor	<0.053	1				0	Recra	µg/L
Heptachlor epoxide	<0.053	1				0	Recra	µg/L

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WELL TBG 3 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<11	1				0	Recra	µg/L
Hexachlorobutadiene	<11	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<11	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<8.3E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<4.1E-04	1				0	Recra	µg/L
Hexachloroethane	<11	1				0	Recra	µg/L
Hexachlorophene	<110	1				0	Recra	µg/L
Hexachloropropene	<11	1				0	Recra	µg/L
Hexanone	<20	2				0	Recra	µg/L
Indeno[1,2,3-c,d]pyrene	<11	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<10	2				0	Recra	µg/L
Isobutyl alcohol	<200	2				0	Recra	µg/L
Isodrin	<0.11	1				0	Recra	µg/L
Isophorone	<11	1				0	Recra	µg/L
Isosafrole	<11	1				0	Recra	µg/L
Kepone	<0.53	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.053	1				0	Recra	µg/L
Mercury, total recoverable	0.31	1	JE			0	Recra	µg/L
Methacrylonitrile	<20	2				0	Recra	µg/L
Methapyrilene	<11	1				0	Recra	µg/L
Methoxychlor	<0.53	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<55	1				0	Recra	µg/L
Methyl ethyl ketone	<20	2				0	Recra	µg/L
Methyl isobutyl ketone	<20	2				0	Recra	µg/L
Methyl methacrylate	<11	1				0	Recra	µg/L
Methyl methanesulfonate	<11	1				0	Recra	µg/L
3-Methylcholanthrene	<11	1				0	Recra	µg/L
2-Methylnaphthalene	<11	1				0	Recra	µg/L
Naphthalene	<11	1				0	Recra	µg/L
1,4-Naphthoquinone	<11	1				0	Recra	µg/L
1-Naphthylamine	<11	1				0	Recra	µg/L
2-Naphthylamine	<11	1				0	Recra	µg/L
Nickel, total recoverable	8.6	1	JE			0	Recra	µg/L
m-Nitroaniline	<55	1				0	Recra	µg/L
o-Nitroaniline	<55	1				0	Recra	µg/L
p-Nitroaniline	<55	1				0	Recra	µg/L
Nitrobenzene	<11	1				0	Recra	µg/L
2-Nitrophenol	<11	1				0	Recra	µg/L
4-Nitrophenol	<55	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<22	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<11	1				0	Recra	µg/L
N-Nitrosodiethylamine	<11	1				0	Recra	µg/L
N-Nitrosodimethylamine	<11	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<11	1				0	Recra	µg/L
N-Nitrosodipropylamine	<11	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<11	1				0	Recra	µg/L
N-Nitrosomorpholine	<11	1				0	Recra	µg/L
N-Nitrosopiperidine	<55	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<11	1				0	Recra	µg/L
5-Nitro-o-toluidine	<11	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.1	1				0	Recra	µg/L
PCB 1221	<2.1	1				0	Recra	µg/L
PCB 1232	<1.1	1				0	Recra	µg/L
PCB 1242	<1.1	1				0	Recra	µg/L
PCB 1248	<1.1	1				0	Recra	µg/L
PCB 1254	<1.1	1				0	Recra	µg/L
PCB 1260	<1.1	1				0	Recra	µg/L
Pentachlorobenzene	<11	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<5.1E-04	1				0	Recra	µg/L
Pentachloroethane	<11	1				0	Recra	µg/L
Pentachloronitrobenzene	<55	1				0	Recra	µg/L
Pentachlorophenol	<55	1				0	Recra	µg/L
Phenacetin	<11	1				0	Recra	µg/L
Phenanthrene	<11	1				0	Recra	µg/L
Phenol	<11	1				0	Recra	µg/L
p-Phenylenediamine	<11	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<11	1				0	Recra	µg/L
Pronamid	<11	1				0	Recra	µg/L
Propionitrile	<100	2				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL TBG 3 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<11	1				0	Recra	µg/L
Pyridine	<11	1				0	Recra	µg/L
Safrole	<11	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<10	2				0	Recra	µg/L
Sulfide	2,000	1	JE			0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1				0	Recra	µg/L
2,3,7,8-TCDD	<2.0E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<11	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.0E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<2.6E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<10	2				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<10	2				0	Recra	µg/L
Tetrachloroethylene	4.9	2	JE			1	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<11	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<10	2				0	Recra	µg/L
o-Toluidine	<11	1				0	Recra	µg/L
Toxaphene	<5.3	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<11	1				0	Recra	µg/L
1,1,1-Trichloroethane	<10	2				0	Recra	µg/L
1,1,2-Trichloroethane	<10	2				0	Recra	µg/L
Trichloroethylene	***240***	2		■		2	Recra	µg/L
Trichlorofluoromethane	<10	2				0	Recra	µg/L
2,4,5-Trichlorophenol	<55	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<11	1				0	Recra	µg/L
1,2,3-Trichloropropane	<10	2				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<11	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<20	2				0	Recra	µg/L
Xylenes	<10	2				0	Recra	µg/L
Zinc, total recoverable	61	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71267.1 E17177.7	33.211385 °N 81.759923 °W	109.3-89.3 ft msl	151.6	151.3 ft msl	4" PVC	V	

SAMPLE DATE 09/02/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	50.6	ft msl
pH	3.8	pH units
Sp. conductance	260	µS/cm
Water temperature	24.0	°C
Alkalinity as $CaCO_3$	0	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	1	NTU
Volume purged	40	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1	J1			0	Recra	µg/L
Acenaphthylene	<10	1	J1			0	Recra	µg/L
Acetone	<25	2.5	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<50	2.5				0	Recra	µg/L
Acetophenone	<10	1	J1			0	Recra	µg/L
2-Acetylaminofluorene	<10	1	J1			0	Recra	µg/L
Acrolein	<50	2.5				0	Recra	µg/L
Acrylonitrile	<13	2.5				0	Recra	µg/L
Aldrin	<0.052	1				0	Recra	µg/L
Allyl chloride	<25	2.5				0	Recra	µg/L
4-Aminobiphenyl	<10	1	J1			0	Recra	µg/L
Aniline	<10	1	J1			0	Recra	µg/L
Anthracene	<10	1	J1			0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1	J1			0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	220	1				0	Recra	µg/L
Benzene	<13	2.5				0	Recra	µg/L
alpha-Benzenehexachloride	<0.052	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1	J1			0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1	J1			0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1	J1			0	Recra	µg/L
Benzoic acid	<50	1	J1			0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1	J1			0	Recra	µg/L
Benzo[*a*]pyrene	<10	1	J1			0	Recra	µg/L
Benzyl alcohol	<10	1	J1			0	Recra	µg/L
Beryllium, total recoverable	***4.5***	1	V	■		2	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1	J1			0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1	J1			0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1	J1			0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<10	1	V			0	Recra	µg/L
Bromodichloromethane	<13	2.5				0	Recra	µg/L
Bromoform	<13	2.5				0	Recra	µg/L
Bromomethane	<25	2.5				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1	J1			0	Recra	µg/L
Butyl benzyl phthalate	<10	1	J1			0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1	J1			0	Recra	µg/L
Cadmium, total recoverable	0.57	1	JE			0	Recra	µg/L
Carbon disulfide	<13	2.5				0	Recra	µg/L
Carbon tetrachloride	***220***	2.5		■		2	Recra	µg/L
alpha-Chlordane	<0.052	1				0	Recra	µg/L
gamma-Chlordane	<0.052	1				0	Recra	µg/L
4-Chloroaniline	<10	1	J1			0	Recra	µg/L
Chlorobenzene	<13	2.5				0	Recra	µg/L
Chlorobenzilate	<10	1	J1			0	Recra	µg/L
4-Chloro-m-cresol	<10	1	J1			0	Recra	µg/L
Chloroethane	<25	2.5				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 4 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<25	2.5				0	Recra	µg/L
Chloroform	6.8	2.5	JE			0	Recra	µg/L
Chloromethane	<25	2.5				0	Recra	µg/L
2-Chloronaphthalene	<10	1	J1			0	Recra	µg/L
2-Chlorophenol	<10	1	J1			0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1	J1			0	Recra	µg/L
Chloroprene	<13	2.5				0	Recra	µg/L
Chromium, total recoverable	2.4	1	JE			0	Recra	µg/L
Chrysene	<10	1	J1			0	Recra	µg/L
Cobalt, total recoverable	18	1	V			0	Recra	µg/L
Copper, total recoverable	<5.3	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1	J1			0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1	J1			0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1	J1			0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1	J1			0	Recra	µg/L
Dibenzofuran	<10	1	J1			0	Recra	µg/L
Dibromochloromethane	<13	2.5				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<13	2.5				0	Recra	µg/L
1,2-Dibromoethane	<13	2.5				0	Recra	µg/L
Dibromomethane	<13	2.5				0	Recra	µg/L
Di-n-butyl phthalate	<10	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1	J1			0	Recra	µg/L
1,3-Dichlorobenzene	<10	1	J1			0	Recra	µg/L
1,4-Dichlorobenzene	<10	1	J1			0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1	J1			0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<50	2.5				0	Recra	µg/L
Dichlorodifluoromethane	<25	2.5				0	Recra	µg/L
1,1-Dichloroethane	<13	2.5				0	Recra	µg/L
1,2-Dichloroethane	<13	2.5				0	Recra	µg/L
1,1-Dichloroethylene	<13	2.5				0	Recra	µg/L
trans-1,2-Dichloroethylene	<13	2.5				0	Recra	µg/L
Dichloromethane	<8.1	2.5	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1	J1			0	Recra	µg/L
2,6-Dichlorophenol	<10	1	J1			0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<13	2.5				0	Recra	µg/L
cis-1,3-Dichloropropene	<13	2.5				0	Recra	µg/L
trans-1,3-Dichloropropene	<13	2.5				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1	J1			0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1	J1			0	Recra	µg/L
Dimethyl phthalate	<10	1	J1			0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1	J1			0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1	J1			0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1	J1			0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1	J1			0	Recra	µg/L
1,3-Dinitrobenzene	<10	1	J1			0	Recra	µg/L
2,4-Dinitrophenol	<50	1	J1			0	Recra	µg/L
2,4-Dinitrotoluene	<10	1	J1			0	Recra	µg/L
2,6-Dinitrotoluene	<10	1	J1			0	Recra	µg/L
Di-n-octyl phthalate	<10	1	J1			0	Recra	µg/L
1,4-Dioxane	<10	1	J1			0	Recra	µg/L
Diphenylamine	<10	1	J1			0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.052	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1	J1			0	Recra	µg/L
Ethyl methanesulfonate	<10	1	J1			0	Recra	µg/L
Ethylbenzene	<13	2.5				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1	J1			0	Recra	µg/L
Fluorene	<10	1	J1			0	Recra	µg/L
Heptachlor	<0.052	1				0	Recra	µg/L
Heptachlor epoxide	<0.052	1				0	Recra	µg/L

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WELL TBG 4 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1	J1			0	Recra	µg/L
Hexachlorobutadiene	<10	1	J1			0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1	J1			0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<0.0011	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.7E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1	J1			0	Recra	µg/L
Hexachlorophene	<100	1	J1			0	Recra	µg/L
Hexachloropropene	<10	1	J1			0	Recra	µg/L
Hexanone	<25	2.5				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1	J1			0	Recra	µg/L
Iodomethane (Methyl iodide)	<13	2.5				0	Recra	µg/L
Isobutyl alcohol	<250	2.5				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1	J1			0	Recra	µg/L
Isosafrole	<10	1	J1			0	Recra	µg/L
Kepone	<0.52	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.052	1				0	Recra	µg/L
Mercury, total recoverable	*2.8*	1		■		2	Recra	µg/L
Methacrylonitrile	<25	2.5				0	Recra	µg/L
Methapyrilene	<10	1	J1			0	Recra	µg/L
Methoxychlor	<0.52	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1	J1			0	Recra	µg/L
Methyl ethyl ketone	<25	2.5				0	Recra	µg/L
Methyl isobutyl ketone	<25	2.5				0	Recra	µg/L
Methyl methacrylate	<10	1	J1			0	Recra	µg/L
Methyl methanesulfonate	<10	1	J1			0	Recra	µg/L
3-Methylcholanthrene	<10	1	J1			0	Recra	µg/L
2-Methylnaphthalene	<10	1	J1			0	Recra	µg/L
Naphthalene	<10	1	J1			0	Recra	µg/L
1,4-Naphthoquinone	<10	1	J1			0	Recra	µg/L
1-Naphthylamine	<10	1	J1			0	Recra	µg/L
2-Naphthylamine	<10	1	J1			0	Recra	µg/L
Nickel, total recoverable	12	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1	J1			0	Recra	µg/L
o-Nitroaniline	<50	1	J1			0	Recra	µg/L
p-Nitroaniline	<50	1	J1			0	Recra	µg/L
Nitrobenzene	<10	1	J1			0	Recra	µg/L
2-Nitrophenol	<10	1	J1			0	Recra	µg/L
4-Nitrophenol	<50	1	J1			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1	J1			0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1	J1			0	Recra	µg/L
N-Nitrosodiethylamine	<10	1	J1			0	Recra	µg/L
N-Nitrosodimethylamine	<10	1	J1			0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1	J1			0	Recra	µg/L
N-Nitrosodipropylamine	<10	1	J1			0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1	J1			0	Recra	µg/L
N-Nitrosomorpholine	<10	1	J1			0	Recra	µg/L
N-Nitrosopiperidine	<50	1	J1			0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1	J1			0	Recra	µg/L
5-Nitro-o-toluidine	<10	1	J1			0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.1	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1	J1			0	Recra	µg/L
Pentachlorodibenzo-p-furans	<6.2E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1	J1			0	Recra	µg/L
Pentachloronitrobenzene	<50	1	J1			0	Recra	µg/L
Pentachlorophenol	<50	1	J1			0	Recra	µg/L
Phenacetin	<10	1	J1			0	Recra	µg/L
Phenanthrene	<10	1	J1			0	Recra	µg/L
Phenol	<10	1	J1			0	Recra	µg/L
p-Phenylenediamine	<10	1	J1			0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1	J1			0	Recra	µg/L
Pronamid	<10	1	J1			0	Recra	µg/L
Propionitrile	<130	2.5				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 4 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1	J1			0	Recra	µg/L
Pyridine	<10	1	J1			0	Recra	µg/L
Safrole	<10	1	J1			0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<13	2.5				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1				0	Recra	µg/L
2,3,7,8-TCDD	<2.7E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1	J1			0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.7E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.7E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<13	2.5				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<13	2.5				0	Recra	µg/L
Tetrachloroethylene	*26*	2.5		■		2	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1	J1			0	Recra	µg/L
Thallium, total recoverable	*6.7*	1	JE	■		2	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<13	2.5				0	Recra	µg/L
o-Toluidine	<10	1	J1			0	Recra	µg/L
Toxaphene	<5.2	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1	J1			0	Recra	µg/L
1,1,1-Trichloroethane	<13	2.5				0	Recra	µg/L
1,1,2-Trichloroethane	<13	2.5				0	Recra	µg/L
Trichloroethylene	***400***	2.5		■		2	Recra	µg/L
Trichlorofluoromethane	<13	2.5				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1	J1			0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1	J1			0	Recra	µg/L
1,2,3-Trichloropropane	<13	2.5				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1	J1			0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<25	2.5				0	Recra	µg/L
Xylenes	<13	2.5				0	Recra	µg/L
Zinc, total recoverable	52	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 5

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71226.5 E17354.5	33.211584 °N 81.759379 °W	112.4-92.4 ft msl	149.6	149.4 ft msl	4" PVC	B	Unconfined

SAMPLE DATE 09/02/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	49.6	ft msl
pH	5.0	pH units
Sp. conductance	70	µS/cm
Water temperature	26.0	°C
Alkalinity as $CaCO_3$	2	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	3	NTU
Volume purged	6	gallons
Sampling code	XN	

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<100	10				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<200	10				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<200	10				0	Recra	µg/L
Acrylonitrile	<50	10				0	Recra	µg/L
Aldrin	<0.052	1	J1			0	Recra	µg/L
Allyl chloride	<100	10				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	9.4	1				0	Recra	µg/L
Benzene	<50	10				0	Recra	µg/L
alpha-Benzenehexachloride	<0.052	1	J1			0	Recra	µg/L
beta-Benzenehexachloride	<0.052	1	J1			0	Recra	µg/L
delta-Benzenehexachloride	<0.052	1	J1			0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<0.25	1	V			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<4.0	1	V			0	Recra	µg/L
Bromodichloromethane	<50	10				0	Recra	µg/L
Bromoform	<50	10				0	Recra	µg/L
Bromomethane	<100	10				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	3.0	1	JE				Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<50	10				0	Recra	µg/L
Carbon tetrachloride	<50	10				0	Recra	µg/L
alpha-Chlordane	<0.052	1	J1			0	Recra	µg/L
gamma-Chlordane	<0.052	1	J1			0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<50	10				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<100	10				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL TBG 5 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<100	10				0	Recra	µg/L
Chloroform	<50	10				0	Recra	µg/L
Chloromethane	<100	10				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<50	10				0	Recra	µg/L
Chromium, total recoverable	3.0	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<1.8	1	V			0	Recra	µg/L
Copper, total recoverable	16	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1	J1			0	Recra	µg/L
p,p'-DDE	<0.10	1	J1			0	Recra	µg/L
p,p'-DDT	<0.10	1	J1			0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<50	10				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<50	10				0	Recra	µg/L
1,2-Dibromoethane	<50	10				0	Recra	µg/L
Dibromomethane	<50	10				0	Recra	µg/L
Di-n-butyl phthalate	<1.5	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<200	10				0	Recra	µg/L
Dichlorodifluoromethane	<100	10				0	Recra	µg/L
1,1-Dichloroethane	<50	10				0	Recra	µg/L
1,2-Dichloroethane	<50	10				0	Recra	µg/L
1,1-Dichloroethylene	<50	10				0	Recra	µg/L
trans-1,2-Dichloroethylene	<50	10				0	Recra	µg/L
Dichloromethane	<13	10	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<50	10				0	Recra	µg/L
cis-1,3-Dichloropropene	<50	10				0	Recra	µg/L
trans-1,3-Dichloropropene	<50	10				0	Recra	µg/L
Dieldrin	<0.10	1	J1			0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1	J1			0	Recra	µg/L
Endosulfan I	<0.052	1	J1			0	Recra	µg/L
Endosulfan II	<0.10	1	J1			0	Recra	µg/L
Endrin	<0.10	1	J1			0	Recra	µg/L
Endrin aldehyde	<0.10	1	J1			0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<50	10				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.052	1	J1			0	Recra	µg/L
Heptachlor epoxide	<0.052	1	J1			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 5 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<4.2E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.9E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<100	10				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<50	10				0	Recra	µg/L
Isobutyl alcohol	<1,000	10				0	Recra	µg/L
Isodrin	<0.10	1	J1			0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.52	1	J1			0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.052	1	J1			0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<100	10				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.52	1	J1			0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<100	10				0	Recra	µg/L
Methyl isobutyl ketone	<100	10				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	3.7	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1				0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1	J1			0	Recra	µg/L
PCB 1221	<2.1	1	J1			0	Recra	µg/L
PCB 1232	<1.0	1	J1			0	Recra	µg/L
PCB 1242	<1.0	1	J1			0	Recra	µg/L
PCB 1248	<1.0	1	J1			0	Recra	µg/L
PCB 1254	<1.0	1	J1			0	Recra	µg/L
PCB 1260	<1.0	1	J1			0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<3.9E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<500	10				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 5 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<50	10				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<1.7E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.7E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.1E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<50	10				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<50	10				0	Recra	µg/L
Tetrachloroethylene	<50	10				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	*7.5*	1	JE	■		2	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<50	10				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.2	1	J1			0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<50	10				0	Recra	µg/L
1,1,2-Trichloroethane	<50	10				0	Recra	µg/L
Trichloroethylene	*1,800*	10		■		2	Recra	µg/L
Trichlorofluoromethane	<50	10				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<50	10				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	0.85	1	JE			0	Recra	µg/L
Vinyl acetate	<100	10				0	Recra	µg/L
Xylenes	<50	10				0	Recra	µg/L
Zinc, total recoverable	27	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL TBG 5A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71206.8 E17348.8	33.211531 °N 81.759355 °W	80.0-70.0 ft msl	150.2	150 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	50.3	ft msl
pH	5.3	pH units
Sp. conductance	29	µS/cm
Water temperature	23.3	°C
Alkalinity as $CaCO_3$	5	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	1	NTU
Volume purged	52	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	11	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[*a*]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<5.4	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 5A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<7.0	1				0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	<15	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<1.6	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.1	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.21	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.21	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 5A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<9.8E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.3E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.21	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<4.4E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.21	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

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WELL TBG 5A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	2,000	1	JE			0	Recra	µg/L
Sulfotepp	<0.21	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<1.8E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.8E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.3E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.21	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.21	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	18	1	JE			0	Recra	µg/L

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WELL TBG 5B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71216.8 E17354.8	33.211563 °N 81.759359 °W	56.2-46.2 ft msl	149.6	149.4 ft msl	4" PVC	S	Semiconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	37.8	ft msl
pH	5.1	pH units
Sp. conductance	32	µS/cm
Water temperature	22.0	°C
Alkalinity as $CaCO_3$	3	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	2	NTU
Volume purged	125	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	19	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[*a*]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	1.0	1	JE			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<3.8	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

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WELL TBG 5B (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<7.0	1				0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	<3.6	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.2	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

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WELL TBG 5B (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<5.8E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<4.6E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<3.8E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TBG 5B (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<2.4E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.4E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<2.2E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	19	1	JE			0	Recra	µg/L

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WELL TBG 6

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71482.3 E17290.5	33.212045 °N 81.760044 °W	109.1-89.1 ft msl	148.3	148.1 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	48.0	ft msl
pH	4.6	pH units
Sp. conductance	120	µS/cm
Water temperature	22.0	°C
Alkalinity as $CaCO_3$	0	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	10	NTU
Volume purged	12	gallons
Sampling code	XN	

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	61	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	3.2	1				1	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<10	1				0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	*24*	1		■		2	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

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WELL TBG 6 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	2.6	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	4.7	1				0	Recra	µg/L
Copper, total recoverable	<7.3	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<3.2	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.9	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.21	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.21	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.1	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

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WELL TBG 6 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<5.7E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.2E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	0.44	1	JE			0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	6.7	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.21	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<4.1E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.21	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

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WELL TBG 6 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.21	1				0	Recra	µg/L
2,4,5-T	<0.51	1				0	Recra	µg/L
2,3,7,8-TCDD	<1.6E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.6E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.5E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.21	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	***120***	1		■		2	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.21	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	1.1	1	JE			0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	39	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL TNX 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71613.5 E16699.6	33.211370 °N 81.761853 °W	99.6-79.6 ft msl	156.7	156.5 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	59.5	ft msl
pH	5.5	pH units
Sp. conductance	41	µS/cm
Water temperature	20.8	°C
Alkalinity as $CaCO_3$	12	mg/L
Turbidity	1	NTU
Phenolphthalein alkalinity	0	mg/L
Volume purged	37	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.052	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	15	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.052	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	1.2	1	JE			0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[*a*]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<5.0	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10.	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.052	1				0	Recra	µg/L
gamma-Chlordane	<0.052	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL TNX 1D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<7.0	1				0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	<3.5	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<1.5	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.6	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.052	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.052	1				0	Recra	µg/L
Heptachlor epoxide	<0.052	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL TNX 1D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<8.8E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.9E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-c,d]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.52	1				0	Recra	µg/L
Lead, total recoverable	6.2	1	JE			0	Recra	µg/L
Lindane	<0.052	1				0	Recra	µg/L
Mercury, total recoverable	0.36	1	JE			0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.52	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.1	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<7.1E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 1D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	2,000	1	JE			0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1				0	Recra	µg/L
2,3,7,8-TCDD	<2.6E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.6E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<3.0E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.2	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	10	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL TNX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71452.0 E16788.2	33.211157 °N 81.761306 °W	102.8-82.8 ft msl	155.3	155.1 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	59.0	ft msl
pH	5.8	pH units
Sp. conductance	41	µS/cm
Water temperature	22.6	°C
Alkalinity as $CaCO_3$	8	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	9	NTU
Volume purged	1	gallons
Sampling code	XN	

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	25	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<10	1				0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL TNX 2D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	2.5	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	<4.1	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<1.1	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.3	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 2D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<0.0010	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<4.4E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	3.8	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<5.8E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

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WELL TNX 2D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<2.5E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.5E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<2.1E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	11	1	JE			0	Recra	µg/L

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WELL TNX 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71236.7 E17043.1	33.211098 °N 81.760217 °W	104.9-84.9 ft msl	1554.5	154.3 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	55.7	ft msl
pH	4.6	pH units
Sp. conductance	100	µS/cm
Water temperature	23.0	°C
Alkalinity as $CaCO_3$	4	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	2	NTU
Volume purged	4	gallons
Sampling code	XN	

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<11	1				0	Recra	µg/L
Acenaphthylene	<11	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<11	1				0	Recra	µg/L
2-Acetylaminofluorene	<11	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.052	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<11	1				0	Recra	µg/L
Aniline	<11	1				0	Recra	µg/L
Anthracene	<11	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<22	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	41	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.052	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
Benzo[a]anthracene	<11	1				0	Recra	µg/L
Benzo[b]fluoranthene	<11	1				0	Recra	µg/L
Benzo[k]fluoranthene	<11	1				0	Recra	µg/L
Benzoic acid	<55	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<11	1				0	Recra	µg/L
Benzo[a]pyrene	<11	1				0	Recra	µg/L
Benzyl alcohol	<11	1				0	Recra	µg/L
Beryllium, total recoverable	0.34	1	JE			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<11	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<11	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<11	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<11	1				0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<11	1				0	Recra	µg/L
Butyl benzyl phthalate	<11	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<55	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	*48*	1		■		2	Recra	µg/L
alpha-Chlordane	<0.052	1				0	Recra	µg/L
gamma-Chlordane	<0.052	1				0	Recra	µg/L
4-Chloroaniline	<11	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<11	1				0	Recra	µg/L
4-Chloro-m-cresol	<11	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

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WELL TNX 3D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	1.9	1	JE			0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<11	1				0	Recra	µg/L
2-Chlorophenol	<11	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<11	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	4.3	1	JE			0	Recra	µg/L
Chrysene	<11	1				0	Recra	µg/L
Cobalt, total recoverable	2.2	1	JE			0	Recra	µg/L
Copper, total recoverable	<8.5	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<11	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<11	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<11	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<11	1				0	Recra	µg/L
Dibenzofuran	<11	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<1.5	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<11	1				0	Recra	µg/L
1,3-Dichlorobenzene	<11	1				0	Recra	µg/L
1,4-Dichlorobenzene	<11	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<22	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.9	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<11	1				0	Recra	µg/L
2,6-Dichlorophenol	<11	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<11	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<11	1				0	Recra	µg/L
Dimethyl phthalate	<11	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<11	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<11	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<11	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<11	1				0	Recra	µg/L
1,3-Dinitrobenzene	<11	1				0	Recra	µg/L
2,4-Dinitrophenol	<55	1				0	Recra	µg/L
2,4-Dinitrotoluene	<11	1				0	Recra	µg/L
2,6-Dinitrotoluene	<11	1				0	Recra	µg/L
Di-n-octyl phthalate	<11	1				0	Recra	µg/L
1,4-Dioxane	<11	1				0	Recra	µg/L
Diphenylamine	<11	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.052	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<11	1				0	Recra	µg/L
Ethyl methanesulfonate	<11	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<11	1				0	Recra	µg/L
Fluorene	<11	1				0	Recra	µg/L
Heptachlor	<0.052	1				0	Recra	µg/L
Heptachlor epoxide	<0.052	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 3D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<11	1				0	Recra	µg/L
Hexachlorobutadiene	<11	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<11	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<5.1E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.3E-04	1				0	Recra	µg/L
Hexachloroethane	<11	1				0	Recra	µg/L
Hexachlorophene	<110	1				0	Recra	µg/L
Hexachloropropene	<11	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<11	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<11	1				0	Recra	µg/L
Isosafrole	<11	1				0	Recra	µg/L
Kepone	<0.52	1				0	Recra	µg/L
Lead, total recoverable	5.4	1	JE			0	Recra	µg/L
Lindane	<0.052	1				0	Recra	µg/L
Mercury, total recoverable	0.61	1	JE			0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<11	1				0	Recra	µg/L
Methoxychlor	<0.52	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<55	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<11	1				0	Recra	µg/L
Methyl methanesulfonate	<11	1				0	Recra	µg/L
3-Methylcholanthrene	<11	1				0	Recra	µg/L
2-Methylnaphthalene	<11	1				0	Recra	µg/L
Naphthalene	<11	1				0	Recra	µg/L
1,4-Naphthoquinone	<11	1				0	Recra	µg/L
1-Naphthylamine	<11	1				0	Recra	µg/L
2-Naphthylamine	<11	1				0	Recra	µg/L
Nickel, total recoverable	4.9	1	JE			0	Recra	µg/L
m-Nitroaniline	<55	1				0	Recra	µg/L
o-Nitroaniline	<55	1				0	Recra	µg/L
p-Nitroaniline	<55	1				0	Recra	µg/L
Nitrobenzene	<11	1				0	Recra	µg/L
2-Nitrophenol	<11	1				0	Recra	µg/L
4-Nitrophenol	<55	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<22	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<11	1				0	Recra	µg/L
N-Nitrosodiethylamine	<11	1				0	Recra	µg/L
N-Nitrosodimethylamine	<11	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<11	1				0	Recra	µg/L
N-Nitrosodipropylamine	<11	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<11	1				0	Recra	µg/L
N-Nitrosomorpholine	<11	1				0	Recra	µg/L
N-Nitrosopiperidine	<55	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<11	1				0	Recra	µg/L
5-Nitro-o-toluidine	<11	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.1	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<11	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<6.3E-04	1				0	Recra	µg/L
Pentachloroethane	<11	1				0	Recra	µg/L
Pentachloronitrobenzene	<55	1				0	Recra	µg/L
Pentachlorophenol	<55	1				0	Recra	µg/L
Phenacetin	<11	1				0	Recra	µg/L
Phenanthrene	<11	1				0	Recra	µg/L
Phenol	<11	1				0	Recra	µg/L
p-Phenylenediamine	<11	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<11	1				0	Recra	µg/L
Pronamid	<11	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

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WELL TNX 3D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<11	1				0	Recra	µg/L
Pyridine	<11	1				0	Recra	µg/L
Safrole	<11	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	4,000	1	JE			0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<3.2E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<11	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<3.2E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<2.2E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	*8.8*	1		■		2	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<11	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<11	1				0	Recra	µg/L
Toxaphene	<5.2	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<11	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	*92*	1		■		2	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<55	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<11	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<11	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	27	1	JE			0	Recra	µg/L

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WELL TNX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71002.7 E17223.0	33.210875 °N 81.759290 °W	105.5-85.5 ft msl	150.0	149.8 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/08/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	51.0	ft msl
pH	4.7	pH units
Sp. conductance	76	µS/cm
Water temperature	21.4	°C
Alkalinity as $CaCO_3$	2	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	18	NTU
Volume purged	5	gallons
Sampling code	LN	

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	18	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[*a*]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	1.4	1	JE			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<2.8	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	4.8	1	JE			1	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

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WELL TNX 4D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<5.2	1	V			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	1.7	1	JE			0	Recra	µg/L
Copper, total recoverable	<9.1	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<3.0	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

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WELL TNX 4D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<3.4E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<2.3E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	7.9	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1				0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<4.6E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL TNX 4D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1	J			0	Recra	µg/L
2,3,7,8-TCDD	<1.5E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.5E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.5E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	3.0	1	JE			1	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	3.3	1	JE			1	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	0.86	1	JE			0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	25	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71738.1 E17080.6	33.212267 °N 81.761093 °W	103.6-83.6 ft msl	151.1	150.9 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/04/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	52.1	ft msl
pH	4.8	pH units
Sp. conductance	32	µS/cm
Water temperature	21.0	°C
Alkalinity as $CaCO_3$	4	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	2	NTU
Volume purged	10	gallons
Sampling code	XN	

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<3.7	1	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5:0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	13	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[*a*]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<10	1				0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL TNX 7D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	0.85	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	15	1	JEV			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p´-DDD	<0.10	1				0	Recra	µg/L
p,p´-DDE	<0.10	1				0	Recra	µg/L
p,p´-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3´-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<3.8	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3´-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 7D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<3.5E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<2.9E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	5.6	1	JE			0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<1.6	1	V			0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<2.6E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 7D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1	J			0	Recra	µg/L
2,3,7,8-TCDD	<1.8E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.8E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.4E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	9.3	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 8D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70591.9 E16168.3	33.208244 °N 81.761264 °W	94.0-74.0 ft msl	100.5	100.3 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	7.4	ft msl
pH	5.0	pH units
Sp. conductance	120	µS/cm
Water temperature	22.0	°C
Alkalinity as $CaCO_3$	8	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	2	NTU
Volume purged	181	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	74	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[*a*]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	0.54	1	JE			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<3.4	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL TNX 8D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	1.0	1	JE			0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	1.7	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	20	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<1.2	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.9	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.21	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.21	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
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WELL TNX 8D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<5.1E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<2.6E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-c,d]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.21	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<3.0E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.21	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

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WELL TNX 8D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	2,000	1	JE			0	Recra	µg/L
Sulfotepp	<0.21	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<1.6E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.6E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.5E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.21	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	2.6	1	JE			1	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.21	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	12	1	JE			0	Recra	µg/L

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WELL TNX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70791.4 E16145.8	33.208648 °N 81.761711 °W	95.4-75.4 ft msl	101.9	101.7 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	9.9	ft msl
pH	4.8	pH units
Sp. conductance	100	µS/cm
Water temperature	20.0	°C
Alkalinity as $CaCO_3$	0	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	0	NTU
Volume purged	108	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	25	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	3.9	1				1	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<2.9	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	0.94	1	JE			0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

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WELL TNX 9D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<7.0	1				0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	1.0	1	JE			0	Recra	µg/L
Copper, total recoverable	<4.3	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<1.1	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.3	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
● = exceeded holding time
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WELL TNX 9D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<6.6E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.6E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	16	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<7.4E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

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WELL TNX 9D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	6,300	1	JE			0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.52	1	J			0	Recra	µg/L
2,3,7,8-TCDD	<2.4E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.4E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.9E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	7.6	1	JE			0	Recra	µg/L

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WELL TNX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70999.3 E16166.7	33.209142 °N 81.762060 °W	97.0-77.0 ft msl	102.5	102.3 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 08/25/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	10.5	ft msl
pH	4.6	pH units
Sp. conductance	200	µS/cm
Water temperature	19.5	°C
Alkalinity as $CaCO_3$	5	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	14	NTU
Volume purged	42	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<11	1				0	Recra	µg/L
Acenaphthylene	<11	1				0	Recra	µg/L
Acetone	<3.1	1	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<11	1				0	Recra	µg/L
2-Acetylaminofluorene	<11	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.053	1	J1			0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<11	1				0	Recra	µg/L
Aniline	<11	1				0	Recra	µg/L
Anthracene	<11	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<22	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	35	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.053	1	J1			0	Recra	µg/L
beta-Benzenehexachloride	<0.053	1	J1			0	Recra	µg/L
delta-Benzenehexachloride	<0.053	1	J1			0	Recra	µg/L
Benzo[a]anthracene	<11	1				0	Recra	µg/L
Benzo[b]fluoranthene	<11	1				0	Recra	µg/L
Benzo[k]fluoranthene	<11	1				0	Recra	µg/L
Benzoic acid	<55	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<11	1				0	Recra	µg/L
Benzo[a]pyrene	<11	1				0	Recra	µg/L
Benzyl alcohol	<11	1				0	Recra	µg/L
Beryllium, total recoverable	1.7	1	V			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<11	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<11	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<11	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<4.6	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<11	1				0	Recra	µg/L
Butyl benzyl phthalate	<11	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<55	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	2.5	1	JE			1	Recra	µg/L
alpha-Chlordane	<0.053	1	J1			0	Recra	µg/L
gamma-Chlordane	<0.053	1	J1			0	Recra	µg/L
4-Chloroaniline	<11	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<11	1				0	Recra	µg/L
4-Chloro-m-cresol	<11	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

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WELL TNX 10D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<11	1				0	Recra	µg/L
2-Chlorophenol	<11	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<11	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<7.0	1				0	Recra	µg/L
Chrysene	<11	1				0	Recra	µg/L
Cobalt, total recoverable	<3.4	1	V			0	Recra	µg/L
Copper, total recoverable	<3.9	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<11	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<11	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.11	1	J1			0	Recra	µg/L
p,p'-DDE	<0.11	1	J1			0	Recra	µg/L
p,p'-DDT	<0.11	1	J1			0	Recra	µg/L
Diallate	<11	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<11	1				0	Recra	µg/L
Dibenzofuran	<11	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	2.8	1	JE				Recra	µg/L
1,2-Dichlorobenzene	<11	1				0	Recra	µg/L
1,3-Dichlorobenzene	<11	1				0	Recra	µg/L
1,4-Dichlorobenzene	<11	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<22	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<5.9	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<11	1				0	Recra	µg/L
2,6-Dichlorophenol	<11	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.1	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.11	1	J1			0	Recra	µg/L
Diethyl phthalate	<11	1				0	Recra	µg/L
Dimethoate	<0.21	1				0	Recra	µg/L
2,4-Dimethyl phenol	<11	1				0	Recra	µg/L
Dimethyl phthalate	<11	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<11	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<11	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<11	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<11	1				0	Recra	µg/L
1,3-Dinitrobenzene	<11	1				0	Recra	µg/L
2,4-Dinitrophenol	<55	1				0	Recra	µg/L
2,4-Dinitrotoluene	<11	1				0	Recra	µg/L
2,6-Dinitrotoluene	<11	1				0	Recra	µg/L
Di-n-octyl phthalate	<11	1				0	Recra	µg/L
1,4-Dioxane	<11	1				0	Recra	µg/L
Diphenylamine	<11	1				0	Recra	µg/L
Disulfoton	<0.21	1				0	Recra	µg/L
Endosulfan sulfate	<0.11	1	J1			0	Recra	µg/L
Endosulfan I	<0.053	1	J1			0	Recra	µg/L
Endosulfan II	<0.11	1	J1			0	Recra	µg/L
Endrin	<0.11	1	J1			0	Recra	µg/L
Endrin aldehyde	<0.11	1	J1			0	Recra	µg/L
Ethyl methacrylate	<11	1				0	Recra	µg/L
Ethyl methanesulfonate	<11	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.1	1				0	Recra	µg/L
Fluoranthene	<11	1				0	Recra	µg/L
Fluorene	<11	1				0	Recra	µg/L
Heptachlor	<0.053	1	J1			0	Recra	µg/L
Heptachlor epoxide	<0.053	1	J1			0	Recra	µg/L

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WELL TNX 10D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<11	1				0	Recra	µg/L
Hexachlorobutadiene	<11	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<11	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<6.5E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<4.3E-04	1				0	Recra	µg/L
Hexachloroethane	<11	1				0	Recra	µg/L
Hexachlorophene	<110	1				0	Recra	µg/L
Hexachloropropene	<11	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<11	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.11	1	J1			0	Recra	µg/L
Isophorone	<11	1				0	Recra	µg/L
Isosafrole	<11	1				0	Recra	µg/L
Kepone	<0.53	1	J1			0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.053	1	J1			0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<11	1				0	Recra	µg/L
Methoxychlor	<0.53	1	J1			0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<55	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<11	1				0	Recra	µg/L
Methyl methanesulfonate	<11	1				0	Recra	µg/L
3-Methylcholanthrene	<11	1				0	Recra	µg/L
2-Methylnaphthalene	<11	1				0	Recra	µg/L
Naphthalene	<11	1				0	Recra	µg/L
1,4-Naphthoquinone	<11	1				0	Recra	µg/L
1-Naphthylamine	<11	1				0	Recra	µg/L
2-Naphthylamine	<11	1				0	Recra	µg/L
Nickel, total recoverable	6.6	1	JE			0	Recra	µg/L
m-Nitroaniline	<55	1				0	Recra	µg/L
o-Nitroaniline	<55	1				0	Recra	µg/L
p-Nitroaniline	<55	1				0	Recra	µg/L
Nitrobenzene	<11	1				0	Recra	µg/L
2-Nitrophenol	<11	1				0	Recra	µg/L
4-Nitrophenol	<55	1				0	Recra	µg/L
4-Nitroquinoline-1-oxide	<22	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<11	1				0	Recra	µg/L
N-Nitrosodiethylamine	<11	1				0	Recra	µg/L
N-Nitrosodimethylamine	<11	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<11	1				0	Recra	µg/L
N-Nitrosodipropylamine	<11	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<11	1				0	Recra	µg/L
N-Nitrosomorpholine	<11	1				0	Recra	µg/L
N-Nitrosopiperidine	<55	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<11	1				0	Recra	µg/L
5-Nitro-o-toluidine	<11	1				0	Recra	µg/L
Parathion methyl	<0.21	1				0	Recra	µg/L
PCB 1016	<1.1	1	J1			0	Recra	µg/L
PCB 1221	<2.1	1	J1			0	Recra	µg/L
PCB 1232	<1.1	1	J1			0	Recra	µg/L
PCB 1242	<1.1	1	J1			0	Recra	µg/L
PCB 1248	<1.1	1	J1			0	Recra	µg/L
PCB 1254	<1.1	1	J1			0	Recra	µg/L
PCB 1260	<1.1	1	J1			0	Recra	µg/L
Pentachlorobenzene	<11	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<4.7E-04	1				0	Recra	µg/L
Pentachloroethane	<11	1				0	Recra	µg/L
Pentachloronitrobenzene	<55	1				0	Recra	µg/L
Pentachlorophenol	<55	1				0	Recra	µg/L
Phenacetin	<11	1				0	Recra	µg/L
Phenanthrene	<11	1				0	Recra	µg/L
Phenol	<11	1				0	Recra	µg/L
p-Phenylenediamine	<11	1				0	Recra	µg/L
Phorate	<0.21	1				0	Recra	µg/L
2-Picoline	<11	1				0	Recra	µg/L
Pronamid	<11	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 10D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<11	1				0	Recra	µg/L
Pyridine	<11	1				0	Recra	µg/L
Safrole	<11	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	26,000	1				2	Recra	µg/L
Sulfotepp	<0.21	1				0	Recra	µg/L
2,4,5-T	<0.56	1				0	Recra	µg/L
2,3,7,8-TCDD	<5.0E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<11	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<5.0E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<4.3E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<11	1				0	Recra	µg/L
Thallium, total recoverable	*6.4*	1	JE	■		2	Recra	µg/L
Thionazin	<0.21	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<11	1				0	Recra	µg/L
Toxaphene	<5.3	1	J1			0	Recra	µg/L
2,4,5-TP (Silvex)	<0.56	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<11	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	*51*	1		■		2	Recra	µg/L
Trichlorofluoromethane	1.2	1	JE			0	Recra	µg/L
2,4,5-Trichlorophenol	<55	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<11	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.21	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<11	1				0	Recra	µg/L
Vanadium, total recoverable	0.70	1	JE			0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	14	1	JE			0	Recra	µg/L

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WELL TNX 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71199.3 E16165.5	33.209582 °N 81.762452 °W	93.2-73.2 ft msl	100.3	99.8 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/04/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	8.2	ft msl
pH	5.1	pH units
Sp. conductance	47	µS/cm
Water temperature	20.9	°C
Alkalinity as $CaCO_3$	1	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	2	NTU
Volume purged	130	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	EMAX	µg/L
Acenaphthylene	<10	1				0	EMAX	µg/L
Acetone	<2.8	1	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	EMAX	µg/L
Anthracene	<10	1				0	EMAX	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	29	1	JE			1	Recra	µg/L
Barium, total recoverable	23	1				0	Recra	µg/L
Benzene	<5.0	1				0	EMAX	µg/L
alpha-Benzenehexachloride	<0.050	1				0	EMAX	µg/L
beta-Benzenehexachloride	<0.050	1				0	EMAX	µg/L
delta-Benzenehexachloride	<0.050	1				0	EMAX	µg/L
Benzo[a]anthracene	<10	1				0	EMAX	µg/L
Benzo[b]fluoranthene	<10	1				0	EMAX	µg/L
Benzo[k]fluoranthene	<10	1				0	EMAX	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	EMAX	µg/L
Benzo[a]pyrene	<10	1				0	EMAX	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	3.1	1	JE			1	EMAX	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	EMAX	µg/L
Bis(2-chloroethyl) ether	<10	1				0	EMAX	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	***18***	1		■		2	EMAX	µg/L
Bromodichloromethane	<5.0	1				0	EMAX	µg/L
Bromoform	<5.0	1				0	EMAX	µg/L
Bromomethane	<5.0	1				0	EMAX	µg/L
4-Bromophenyl phenyl ether	<10	1				0	EMAX	µg/L
Butyl benzyl phthalate	<10	1				0	EMAX	µg/L
2-sec-Butyl-4,6-dinitrophenol	<0.50	1				0	EMAX	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	EMAX	µg/L
Carbon tetrachloride	<5.0	1				0	EMAX	µg/L
alpha-Chlordane	<0.050	1				0	EMAX	µg/L
gamma-Chlordane	<0.050	1				0	EMAX	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	EMAX	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<5.0	1				0	EMAX	µg/L

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WELL TNX 11D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<5.0	1				0	EMAX	µg/L
Chloroform	<5.0	1				0	EMAX	µg/L
Chloromethane	<2.0	1	V			0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	EMAX	µg/L
2-Chlorophenol	<10	1				0	EMAX	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	EMAX	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	0.92	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	EMAX	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	<3.6	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	EMAX	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	EMAX	µg/L
Cyanide	<10	1				0	EMAX	µg/L
p,p'-DDD	<0.10	1				0	EMAX	µg/L
p,p'-DDE	<0.10	1				0	EMAX	µg/L
p,p'-DDT	<0.10	1				0	EMAX	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<10	1				0	EMAX	µg/L
Dibenzofuran	<10	1				0	EMAX	µg/L
Dibromochloromethane	<5.0	1				0	EMAX	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	EMAX	µg/L
Di-n-butyl phthalate	<10	1				0	EMAX	µg/L
1,2-Dichlorobenzene	<10	1				0	EMAX	µg/L
1,3-Dichlorobenzene	<10	1				0	EMAX	µg/L
1,4-Dichlorobenzene	<10	1				0	EMAX	µg/L
3,3'-Dichlorobenzidine	<20	1				0	EMAX	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<5.0	1				0	EMAX	µg/L
1,1-Dichloroethane	<5.0	1				0	EMAX	µg/L
1,2-Dichloroethane	<5.0	1				0	EMAX	µg/L
1,1-Dichloroethylene	<5.0	1				0	EMAX	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	EMAX	µg/L
Dichloromethane	<3.5	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	EMAX	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<0.50	1	J			0	EMAX	µg/L
1,2-Dichloropropane	<5.0	1				0	EMAX	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	EMAX	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	EMAX	µg/L
Dieldrin	<0.050	1				0	EMAX	µg/L
Diethyl phthalate	<10	1				0	EMAX	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	EMAX	µg/L
Dimethyl phthalate	<10	1				0	EMAX	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	EMAX	µg/L
2,6-Dinitrotoluene	<10	1				0	EMAX	µg/L
Di-n-octyl phthalate	<10	1				0	EMAX	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	EMAX	µg/L
Endosulfan I	<0.050	1				0	EMAX	µg/L
Endosulfan II	<0.10	1				0	EMAX	µg/L
Endrin	<0.10	1				0	EMAX	µg/L
Endrin aldehyde	<0.10	1				0	EMAX	µg/L
Endrin ketone	<0.10	1				0	EMAX	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	EMAX	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	EMAX	µg/L
Fluorene	<10	1				0	EMAX	µg/L
Heptachlor	<0.050	1				0	EMAX	µg/L

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WELL TNX 11D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Heptachlor epoxide	<0.050	1				0	EMAX	µg/L
Hexachlorobenzene	<10	1				0	EMAX	µg/L
Hexachlorobutadiene	<10	1				0	EMAX	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<4.2E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<2.7E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	EMAX	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<5.0	1				0	EMAX	µg/L
1,2,3,4,6,7,8-HPCDD	<0.010	1				0	GE	µg/L
1,2,3,4,6,7,8-HPCDF	<0.010	1				0	GE	µg/L
1,2,3,4,7,8-HXCDD	<0.010	1				0	GE	µg/L
1,2,3,4,7,8-HXCDF	<0.010	1				0	GE	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	EMAX	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	EMAX	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.050	1				0	EMAX	µg/L
Mercury, total recoverable	<0.13	1	JV			0	EMAX	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.50	1				0	EMAX	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	EMAX	µg/L
Methyl ethyl ketone	<1.6	1	V			0	Recra	µg/L
Methyl isobutyl ketone	<5.0	1				0	EMAX	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	EMAX	µg/L
Naphthalene	<10	1				0	EMAX	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	EMAX	µg/L
o-Nitroaniline	<50	1				0	EMAX	µg/L
p-Nitroaniline	<50	1				0	EMAX	µg/L
Nitrobenzene	<10	1				0	EMAX	µg/L
2-Nitrophenol	<10	1				0	EMAX	µg/L
4-Nitrophenol	<50	1				0	EMAX	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	EMAX	µg/L
N-Nitrosodipropylamine	<10	1				0	EMAX	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Octachlorodibenzo-p-dioxin	<0.010	1				0	GE	µg/L
Octachlorodibenzo-p-furan	<0.010	1				0	GE	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	EMAX	µg/L
PCB 1221	<1.0	1				0	EMAX	µg/L
PCB 1232	<1.0	1				0	EMAX	µg/L
PCB 1242	<1.0	1				0	EMAX	µg/L
PCB 1248	<1.0	1				0	EMAX	µg/L
PCB 1254	<1.0	1				0	EMAX	µg/L
PCB 1260	<1.0	1				0	EMAX	µg/L
1,2,3,7,8-PCDD	<0.010	1				0	GE	µg/L
1,2,3,7,8-PCDF	<0.010	1				0	GE	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<3.7E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L

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WELL TNX 11D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pentachlorophenol	<10	1				0	EMAX	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	EMAX	µg/L
Phenol	<10	1				0	EMAX	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L
Pyrene	<10	1				0	EMAX	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	EMAX	µg/L
Sulfide	<1,000	1				0	EMAX	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.20	1				0	EMAX	µg/L
2,3,7,8-TCDD	<2.0E-04	1				0	Recra	µg/L
2,3,7,8-TCDF	<0.010	1				0	GE	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.0E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.4E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	EMAX	µg/L
Tetrachloroethylene	<5.0	1				0	EMAX	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	EMAX	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<1.0	1				0	EMAX	µg/L
2,4,5-TP (Silvex)	<0.20	1				0	EMAX	µg/L
1,2,4-Trichlorobenzene	<10	1				0	EMAX	µg/L
1,1,1-Trichloroethane	<5.0	1				0	EMAX	µg/L
1,1,2-Trichloroethane	<5.0	1				0	EMAX	µg/L
Trichloroethylene	*6.8*	1		■		2	EMAX	µg/L
Trichlorofluoromethane	<5.0	1				0	EMAX	µg/L
2,4,5-Trichlorophenol	<10	1				0	EMAX	µg/L
2,4,6-Trichlorophenol	<10	1				0	EMAX	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	3.0	1	JE			0	EMAX	µg/L
Vinyl acetate	<5.0	1				0	EMAX	µg/L
m/p-Xylene	<10	1				0	EMAX	µg/L
o-Xylene	<5.0	1				0	EMAX	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	9.7	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL TNX 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71598.3 E16176.3	33.210481 °N 81.763199 °W	93.1-73.1 ft msl	99.4	99.2 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/04/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	5.9	ft msl
pH	5.6	pH units
Sp. conductance	58	µS/cm
Water temperature	20.0	°C
Alkalinity as $CaCO_3$	16	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	0	NTU
Volume purged	43	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<3.8	1	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	21	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<10	1				0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL TNX 12D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethane	<10	1				0	Recra	µg/L
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	0.78	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	<4.9	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<3.5	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 12D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Heptachlor epoxide	<0.051	1				0	Recra	µg/L
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<4.8E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.2E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<1.8	1	V			0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<3.8E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 12D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Propionitrile	<50	1				0	Recra	µg/L
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1	J			0	Recra	µg/L
2,3,7,8-TCDD	<1.6E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.6E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.6E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	6.9	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 27D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71180.1 E16609.2	°N °W	101.3-81.3 ft msl	110.6	110.6 ft msl	2" PVC	V	Unconfined

SAMPLE DATE 09/08/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	16.5	ft msl
pH	4.7	pH units
Sp. conductance	76	µS/cm
Water temperature	21.2	°C
Alkalinity as $CaCO_3$	0	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	1	NTU
Volume purged	11	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	63	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[*a*]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	0.21	1	JE			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<10	1				0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	***27.7***	1		■		2	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL TNX 27D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethane	<10	1				0	Recra	µg/L
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	1.93	1	JE			0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<0.99	1	V			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	2.40	1	JE			0	Recra	µg/L
Copper, total recoverable	<12.5	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15.2	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	1.14	1	JE			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<3.31	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.02	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL TNX 27D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Heptachlor epoxide	<0.051	1				0	Recra	µg/L
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<4.30E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<2.6E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
2-Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	4.10	1	JE			0	Recra	µg/L
Nitrate as nitrogen	5,930	1	JQV			1	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1				0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion ethyl	<0.20	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<2.70E-04	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<3.20E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
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WELL TNX 2D7 (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	2,000	1	JE			0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1	JC			0	Recra	µg/L
2,3,7,8-TCDD	<1.10E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.10E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.00E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	*554*	1		■		0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	19.3	1	JE			0	Recra	µg/L
Gross alpha	2.48E-09	1				0	TM	pCi/L
Total activity	3.13E-06	1	J			0	EM	pCi/L

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WELL XSB 1A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71105.4 E16883.0	33.210546 °N 81.760383 °W	53.6-43.6 ft msl	156.2	156 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	61.3	ft msl
pH	5.3	pH units
Sp. conductance	80	µS/cm
Water temperature	22.6	°C
Alkalinity as $CaCO_3$	9	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	0	NTU
Volume purged	79	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.052	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	14	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.052	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<2.8	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.052	1				0	Recra	µg/L
gamma-Chlordane	<0.052	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
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WELL XSB 1A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethane	<10	1				0	Recra	µg/L
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<7.0	1				0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	1.2	1	JE			0	Recra	µg/L
Copper, total recoverable	22	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.7	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.052	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.052	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL XSB 1A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Heptachlor epoxide	<0.052	1				0	Recra	µg/L
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<0.0013	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.2E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.52	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.052	1				0	Recra	µg/L
Mercury, total recoverable	<0.70	1				0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.52	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	<26	1				0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.1	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<5.1E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL XSB 1A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Propionitrile	<50	1				0	Recra	µg/L
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<1.6E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.6E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.8E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	*6.9*	1	JE	■		2	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.2	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	<5.0	1				0	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	16	1	JE			0	Recra	µg/L

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WELL XSB 1B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71105.0 E16872.9	33.210529 °N 81.760409 °W	74.6-64.6 ft msl	156.2	155.9 ft msl	4" PVC	S	Semiconfined

SAMPLE DATE 09/08/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	56.9	ft msl
pH	5.7	pH units
Sp. conductance	34	µS/cm
Water temperature	21.6	°C
Alkalinity as $CaCO_3$	10	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	9	NTU
Volume purged	170	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	EMAX	µg/L
Acenaphthylene	<10	1				0	EMAX	µg/L
Acetone	<5.0	1				0	EMAX	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	EMAX	µg/L
Anthracene	<10	1				0	EMAX	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	30	1	V			0	EMAX	µg/L
Benzene	<5.0	1				0	EMAX	µg/L
alpha-Benzenehexachloride	<0.050	1				0	EMAX	µg/L
beta-Benzenehexachloride	<0.050	1				0	EMAX	µg/L
delta-Benzenehexachloride	<0.050	1				0	EMAX	µg/L
Benzo[*a*]anthracene	<10	1				0	EMAX	µg/L
Benzo[*b*]fluoranthene	<10	1				0	EMAX	µg/L
Benzo[*k*]fluoranthene	<10	1				0	EMAX	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	EMAX	µg/L
Benzo[a]pyrene	<10	1				0	EMAX	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	1.4	1	JE			0	EMAX	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	EMAX	µg/L
Bis(2-chloroethyl) ether	<10	1				0	EMAX	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<2.8	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	EMAX	µg/L
Bromoform	<5.0	1				0	EMAX	µg/L
Bromomethane	<5.0	1				0	EMAX	µg/L
4-Bromophenyl phenyl ether	<10	1				0	EMAX	µg/L
Butyl benzyl phthalate	<10	1				0	EMAX	µg/L
2-sec-Butyl-4,6-dinitrophenol	<0.50	1				0	EMAX	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	EMAX	µg/L
Carbon tetrachloride	<5.0	1				0	EMAX	µg/L
alpha-Chlordane	<0.050	1				0	EMAX	µg/L
gamma-Chlordane	<0.050	1				0	EMAX	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	EMAX	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<5.0	1				0	EMAX	µg/L

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WELL XSB 1B (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<5.0	1				0	EMAX	µg/L
Chloroform	<5.0	1				0	EMAX	µg/L
Chloromethane	<5.0	1				0	EMAX	µg/L
2-Chloronaphthalene	<10	1				0	EMAX	µg/L
2-Chlorophenol	<10	1				0	EMAX	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	EMAX	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<7.0	1				0	Recra	µg/L
Chrysene	<10	1				0	EMAX	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	<6.0	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	EMAX	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	EMAX	µg/L
Cyanide	<10	1				0	EMAX	µg/L
p,p'-DDD	<0.10	1				0	EMAX	µg/L
p,p'-DDE	<0.10	1				0	EMAX	µg/L
p,p'-DDT	<0.10	1				0	EMAX	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	EMAX	µg/L
Dibenzofuran	<10	1				0	EMAX	µg/L
Dibromochloromethane	<5.0	1				0	EMAX	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	EMAX	µg/L
Di-n-butyl phthalate	2.3	1	JE				Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	EMAX	µg/L
1,3-Dichlorobenzene	<10	1				0	EMAX	µg/L
1,4-Dichlorobenzene	<10	1				0	EMAX	µg/L
3,3'-Dichlorobenzidine	<20	1				0	EMAX	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<5.0	1				0	EMAX	µg/L
1,1-Dichloroethane	<5.0	1				0	EMAX	µg/L
1,2-Dichloroethane	<5.0	1				0	EMAX	µg/L
1,1-Dichloroethylene	<5.0	1				0	EMAX	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	EMAX	µg/L
Dichloromethane	<2.8	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	EMAX	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<0.50	1	J			0	EMAX	µg/L
1,2-Dichloropropane	<5.0	1				0	EMAX	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	EMAX	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	EMAX	µg/L
Dieldrin	<0.050	1				0	EMAX	µg/L
Diethyl phthalate	<10	1				0	EMAX	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	EMAX	µg/L
Dimethyl phthalate	<10	1				0	EMAX	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	EMAX	µg/L
2,6-Dinitrotoluene	<10	1				0	EMAX	µg/L
Di-n-octyl phthalate	<10	1				0	EMAX	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	EMAX	µg/L
Endosulfan I	<0.050	1				0	EMAX	µg/L
Endosulfan II	<0.10	1				0	EMAX	µg/L
Endrin	<0.10	1				0	EMAX	µg/L
Endrin aldehyde	<0.10	1				0	EMAX	µg/L
Endrin ketone	<0.10	1				0	EMAX	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	≤5.0	1				0	EMAX	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	EMAX	µg/L
Fluorene	<10	1				0	EMAX	µg/L
Heptachlor	<0.050	1				0	EMAX	µg/L

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WELL XSB 1B (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Heptachlor epoxide	<0.050	1				0	EMAX	µg/L
Hexachlorobenzene	<10	1				0	EMAX	µg/L
Hexachlorobutadiene	<10	1				0	EMAX	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<3.4E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<2.5E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	EMAX	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<5.0	1				0	EMAX	µg/L
1;2,3,4,6,7,8-HPCDD	<0.010	1				0	GE	µg/L
1,2,3,4,6,7,8-HPCDF	<0.010	1				0	GE	µg/L
1,2,3,4,7,8-HXCDD	<0.010	1				0	GE	µg/L
1,2,3,4,7,8-HXCDF	<0.010	1				0	GE	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	EMAX	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	EMAX	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.050	1				0	EMAX	µg/L
Mercury, total recoverable	<0.50	1				0	EMAX	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.50	1				0	EMAX	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	EMAX	µg/L
Methyl ethyl ketone	<5.0	1				0	EMAX	µg/L
Methyl isobutyl ketone	<5.0	1				0	EMAX	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	EMAX	µg/L
Naphthalene	<10	1				0	EMAX	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	3.6	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	EMAX	µg/L
o-Nitroaniline	<50	1				0	EMAX	µg/L
p-Nitroaniline	<50	1				0	EMAX	µg/L
Nitrobenzene	<10	1				0	EMAX	µg/L
2-Nitrophenol	<10	1				0	EMAX	µg/L
4-Nitrophenol	<50	1				0	EMAX	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	EMAX	µg/L
N-Nitrosodipropylamine	<10	1				0	EMAX	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Octachlorodibenzo-p-dioxin	<0.010	1				0	GE	µg/L
Octachlorodibenzo-p-furan	<0.010	1				0	GE	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	EMAX	µg/L
PCB 1221	<1.0	1				0	EMAX	µg/L
PCB 1232	<1.0	1				0	EMAX	µg/L
PCB 1242	<1.0	1				0	EMAX	µg/L
PCB 1248	<1.0	1				0	EMAX	µg/L
PCB 1254	<1.0	1				0	EMAX	µg/L
PCB 1260	<1.0	1				0	EMAX	µg/L
1,2,3,7,8-PCDD	<0.010	1				0	GE	µg/L
1,2,3,7,8-PCDF	<0.010	1				0	GE	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<2.6E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL XSB 1B (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pentachlorophenol	<10	1				0	EMAX	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	EMAX	µg/L
Phenol	<10	1				0	EMAX	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L
Pyrene	<10	1				0	EMAX	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	5.5	1	V			0	Recra	µg/L
Styrene	<5.0	1				0	EMAX	µg/L
Sulfide	2,000	1	JE			0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.20	1				0	EMAX	µg/L
2,3,7,8-TCDD	<1.1E-04	1				0	Recra	µg/L
2,3,7,8-TCDF	<0.010	1				0	GE	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.1E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.3E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	EMAX	µg/L
Tetrachloroethylene	<5.0	1				0	EMAX	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	*6.5*	1	JE	■		2	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	EMAX	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<1.0	1				0	EMAX	µg/L
2,4,5-TP (Silvex)	<0.20	1				0	EMAX	µg/L
1,2,4-Trichlorobenzene	<10	1				0	EMAX	µg/L
1,1,1-Trichloroethane	<5.0	1				0	EMAX	µg/L
1,1,2-Trichloroethane	<5.0	1				0	EMAX	µg/L
Trichloroethylene	<5.0	1				0	EMAX	µg/L
Trichlorofluoromethane	<5.0	1				0	EMAX	µg/L
2,4,5-Trichlorophenol	<10	1				0	EMAX	µg/L
2,4,6-Trichlorophenol	<10	1				0	EMAX	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<5.0	1				0	EMAX	µg/L
m/p-Xylene	<10	1				0	EMAX	µg/L
o-Xylene	<5.0	1				0	EMAX	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	11	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL XSB 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71104.8 E16893.5	33.210562 °N 81.760354 °W	107.9-87.9 ft msl	156.2	156 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/02/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	61.3	ft msl
pH	4.6	pH units
Sp. conductance	100	µS/cm
Water temperature	23.0	°C
Alkalinity as $CaCO_3$	0	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	1	NTU
Volume purged	44	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.052	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	20	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.052	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[*a*]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<5.0	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.052	1				0	Recra	µg/L
gamma-Chlordane	<0.052	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL XSB 1D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	1.1	1	JE			0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	<7.0	1				0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<3.3	1	V			0	Recra	µg/L
Copper, total recoverable	<7.8	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<1.6	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.2	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.052	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.052	1				0	Recra	µg/L
Heptachlor epoxide	<0.052	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL XSB 1D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<7.5E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.5E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-c,d]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.52	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.052	1				0	Recra	µg/L
Mercury, total recoverable	0.14	1	JE			0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.52	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	3.6	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1				0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.1	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<4.8E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL XSB 1D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<2.0E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.0E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<2.2E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.2	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	*9.2*	1		■		2	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	8.8	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL XSB 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71086.0 E16823.1	33.210406 °N 81.760503 °W	104.0-84.0 ft msl	155.0	154.8 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/02/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	60.1	ft msl
pH	5.0	pH units
Sp. conductance	200	µS/cm
Water temperature	24.0	°C
Alkalinity as $CaCO_3$	8	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	1	NTU
Volume purged	91	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<11	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.052	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	39	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.052	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
Benzo[*a*]anthracene	<10	1				0	Recra	µg/L
Benzo[*b*]fluoranthene	<10	1				0	Recra	µg/L
Benzo[*k*]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	2.0	1	JE			0	Recra	µg/L
Benzo[*g,h,i*]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<0.16	1	V			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<6.4	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	1.7	1	JE			0	Recra	µg/L
alpha-Chlordane	<0.052	1				0	Recra	µg/L
gamma-Chlordane	<0.052	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<11	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A . Radionuclide results in italics are less than sample quantitation limit .
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL XSB 2D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<11	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	1.3	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<1.5	1	V			0	Recra	µg/L
Copper, total recoverable	<6.4	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<2.7	1	V			0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<11	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.7	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<11	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.052	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.052	1				0	Recra	µg/L
Heptachlor epoxide	<0.052	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL XSB 2D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<7.1E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.6E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.52	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.052	1				0	Recra	µg/L
Mercury, total recoverable	0.53	1	JE			0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.52	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	4.5	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<55	1				0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<11	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.1	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-dioxins	<5.0E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<55	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<11	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL XSB 2D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<11	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<1.8E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.8E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<2.5E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.2	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<11	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	*74*	1		■		2	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	47	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL XSB 3A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70915.3 E16901.3	33.210156 °N 81.759966 °W	103.2-87.4 ft msl	157.3	157 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	60.1	ft msl
pH	5.0	pH units
Sp. conductance	140	µS/cm
Water temperature	23.0	°C
Alkalinity as $CaCO_3$	5	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	1	NTU
Volume purged	75	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	30	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	0.33	1	JE			0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<7.1	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	0.55	1	JE			0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

WELL XSB 3A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	0.95	1	JE			0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	2.4	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	18	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<10	1				0	Recra	µg/L
Dibenz[a,h]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.4	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitropheno'	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
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WELL XSB 3A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<10	1				0	Recra	µg/L
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<7.0E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<2.6E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	11	1	JE			0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	0.41	1	JE			0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	5.1	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<4.1E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

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WELL XSB 3A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<10	1				0	Recra	µg/L
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	16,000	1				1	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1				0	Recra	µg/L
2,3,7,8-TCDD	<1.5E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<1.5E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<9.0E-05	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	*35*	1		■		2	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	30	1	JE			0	Recra	µg/L

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WELL XSB 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70997.9 E16826.2	33.210216 °N 81.760324 °W	103.9-83.9 ft msl	155.2	154.9 ft msl	4" PVC	S	Unconfined

SAMPLE DATE 09/03/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water	60.1	ft msl
pH	5.2	pH units
Sp. conductance	111	µS/cm
Water temperature	23.1	°C
Alkalinity as $CaCO_3$	7	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	1	NTU
Volume purged	35	gallons
Sampling code		

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<11	1				0	Recra	µg/L
Acenaphthylene	<11	1				0	Recra	µg/L
Acetone	<10	1				0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<11	1				0	Recra	µg/L
2-Acetylaminofluorene	<11	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.051	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<11	1				0	Recra	µg/L
Aniline	<11	1				0	Recra	µg/L
Anthracene	<11	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<22	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	35	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.051	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.051	1				0	Recra	µg/L
Benzo[a]anthracene	<11	1				0	Recra	µg/L
Benzo[b]fluoranthene	<11	1				0	Recra	µg/L
Benzo[k]fluoranthene	<11	1				0	Recra	µg/L
Benzoic acid	<55	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<11	1				0	Recra	µg/L
Benzo[a]pyrene	<11	1				0	Recra	µg/L
Benzyl alcohol	<11	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<11	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<11	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<11	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<14	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<11	1				0	Recra	µg/L
Butyl benzyl phthalate	<11	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<55	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.051	1				0	Recra	µg/L
gamma-Chlordane	<0.051	1				0	Recra	µg/L
4-Chloroaniline	<11	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<11	1				0	Recra	µg/L
4-Chloro-m-cresol	<11	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL XSB 4D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L
Chloroform	0.98	1	JE			0	Recra	µg/L
Chloromethane	<10	1				0	Recra	µg/L
2-Chloronaphthalene	<11	1				0	Recra	µg/L
2-Chlorophenol	<11	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<11	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	1.1	1	JE			0	Recra	µg/L
Chrysene	<11	1				0	Recra	µg/L
Cobalt, total recoverable	0.53	1	JE			0	Recra	µg/L
Copper, total recoverable	<5.2	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<11	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<11	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Diallate	<11	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<11	1				0	Recra	µg/L
Dibenzofuran	<11	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<11	1				0	Recra	µg/L
1,2-Dichlorobenzene	<11	1				0	Recra	µg/L
1,3-Dichlorobenzene	<11	1				0	Recra	µg/L
1,4-Dichlorobenzene	<11	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<22	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<1.1	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<11	1				0	Recra	µg/L
2,6-Dichlorophenol	<11	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<11	1				0	Recra	µg/L
Dimethoate	<0.21	1				0	Recra	µg/L
2,4-Dimethyl phenol	<11	1				0	Recra	µg/L
Dimethyl phthalate	<11	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<11	1				0	Recra	µg/L
7,12-Dimethylbenz*a*anthracene	<11	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<11	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<11	1				0	Recra	µg/L
1,3-Dinitrobenzene	<11	1				0	Recra	µg/L
2,4-Dinitrophenol	<55	1				0	Recra	µg/L
2,4-Dinitrotoluene	<11	1				0	Recra	µg/L
2,6-Dinitrotoluene	<11	1				0	Recra	µg/L
Di-n-octyl phthalate	<11	1				0	Recra	µg/L
1,4-Dioxane	<11	1				0	Recra	µg/L
Diphenylamine	<11	1				0	Recra	µg/L
Disulfoton	<0.21	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.051	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<11	1				0	Recra	µg/L
Ethyl methanesulfonate	<11	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<11	1				0	Recra	µg/L
Fluorene	<11	1				0	Recra	µg/L
Heptachlor	<0.051	1				0	Recra	µg/L
Heptachlor epoxide	<0.051	1				0	Recra	µg/L

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WELL XSB 4D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobenzene	<11	1				0	Recra	µg/L
Hexachlorobutadiene	<11	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<11	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<8.7E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<3.4E-04	1				0	Recra	µg/L
Hexachloroethane	<11	1				0	Recra	µg/L
Hexachlorophene	<110	1				0	Recra	µg/L
Hexachloropropene	<11	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<11	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<11	1				0	Recra	µg/L
Isosafrole	<11	1				0	Recra	µg/L
Kepone	<0.51	1				0	Recra	µg/L
Lead, total recoverable	<47	1				0	Recra	µg/L
Lindane	<0.051	1				0	Recra	µg/L
Mercury, total recoverable	0.12	1	JE			0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<11	1				0	Recra	µg/L
Methoxychlor	<0.51	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<55	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<11	1				0	Recra	µg/L
Methyl methanesulfonate	<11	1				0	Recra	µg/L
3-Methylcholanthrene	<11	1				0	Recra	µg/L
2-Methylnaphthalene	<11	1				0	Recra	µg/L
Naphthalene	<11	1				0	Recra	µg/L
1,4-Naphthoquinone	<11	1				0	Recra	µg/L
1-Naphthylamine	<11	1				0	Recra	µg/L
2-Naphthylamine	<11	1				0	Recra	µg/L
Nickel, total recoverable	8.3	1	JE			0	Recra	µg/L
m-Nitroaniline	<55	1				0	Recra	µg/L
o-Nitroaniline	<55	1				0	Recra	µg/L
p-Nitroaniline	<55	1				0	Recra	µg/L
Nitrobenzene	<11	1				0	Recra	µg/L
2-Nitrophenol	<11	1				0	Recra	µg/L
4-Nitrophenol	<55	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<22	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<11	1				0	Recra	µg/L
N-Nitrosodiethylamine	<11	1				0	Recra	µg/L
N-Nitrosodimethylamine	<11	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<11	1				0	Recra	µg/L
N-Nitrosodipropylamine	<11	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<11	1				0	Recra	µg/L
N-Nitrosomorpholine	<11	1				0	Recra	µg/L
N-Nitrosopiperidine	<55	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<11	1				0	Recra	µg/L
5-Nitro-o-toluidine	<11	1				0	Recra	µg/L
Parathion methyl	<0.21	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.0	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<11	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<5.0E-04	1				0	Recra	µg/L
Pentachloroethane	<11	1				0	Recra	µg/L
Pentachloronitrobenzene	<55	1				0	Recra	µg/L
Pentachlorophenol	<55	1				0	Recra	µg/L
Phenacetin	<11	1				0	Recra	µg/L
Phenanthrene	<11	1				0	Recra	µg/L
Phenol	<11	1				0	Recra	µg/L
p-Phenylenediamine	<11	1				0	Recra	µg/L
Phorate	<0.21	1				0	Recra	µg/L
2-Picoline	<11	1				0	Recra	µg/L
Pronamid	<11	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
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WELL XSB 4D (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyrene	<11	1				0	Recra	µg/L
Pyridine	<11	1				0	Recra	µg/L
Safrole	<11	1				0	Recra	µg/L
Selenium, total recoverable	<66	1				0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	6,000	1	JE			0	Recra	µg/L
Sulfotepp	<0.21	1				0	Recra	µg/L
2,4,5-T	<0.52	1				0	Recra	µg/L
2,3,7,8-TCDD	<2.2E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<11	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.2E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<1.8E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<11	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.21	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<11	1				0	Recra	µg/L
Toxaphene	<5.1	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.52	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<11	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	3.2	1	JE			1	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<55	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<11	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.21	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<11	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	18	1	JE			0	Recra	µg/L

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WELL XSB 5A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70956.3 E16703.7	33.209924 °N 81.760565 °W	ft msl	112.2	112 ft msl	PVC	S	Unconfined

SAMPLE DATE 09/04/97

FIELD DATA

Parameter	3Q97	Unit
Depth to water		ft msl
pH	5.5	pH units
Sp. conductance	115	µS/cm
Water temperature	21.1	°C
Alkalinity as $CaCO_3$	13	mg/L
Phenolphthalein alkalinity	0	mg/L
Turbidity	7	NTU
Volume purged	5	gallons
Sampling code	XNA	

ANALYTICAL DATA

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Acenaphthene	<10	1				0	Recra	µg/L
Acenaphthylene	<10	1				0	Recra	µg/L
Acetone	<2.6	1	V			0	Recra	µg/L
Acetonitrile (Methyl cyanide)	<20	1				0	Recra	µg/L
Acetophenone	<10	1				0	Recra	µg/L
2-Acetylaminofluorene	<10	1				0	Recra	µg/L
Acrolein	<20	1				0	Recra	µg/L
Acrylonitrile	<5.0	1				0	Recra	µg/L
Aldrin	<0.052	1				0	Recra	µg/L
Allyl chloride	<10	1				0	Recra	µg/L
4-Aminobiphenyl	<10	1				0	Recra	µg/L
Aniline	<10	1				0	Recra	µg/L
Anthracene	<10	1				0	Recra	µg/L
Antimony, total recoverable	<27	1				0	Recra	µg/L
Aramite	<20	1				0	Recra	µg/L
Arsenic, total recoverable	<40	1				0	Recra	µg/L
Barium, total recoverable	3.4	1				0	Recra	µg/L
Benzene	<5.0	1				0	Recra	µg/L
alpha-Benzenehexachloride	<0.052	1				0	Recra	µg/L
beta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
delta-Benzenehexachloride	<0.052	1				0	Recra	µg/L
Benzo[a]anthracene	<10	1				0	Recra	µg/L
Benzo[b]fluoranthene	<10	1				0	Recra	µg/L
Benzo[k]fluoranthene	<10	1				0	Recra	µg/L
Benzoic acid	<50	1				0	Recra	µg/L
Benzo[g,h,i]perylene	<10	1				0	Recra	µg/L
Benzo[a]pyrene	<10	1				0	Recra	µg/L
Benzyl alcohol	<10	1				0	Recra	µg/L
Beryllium, total recoverable	<1.6	1				0	Recra	µg/L
Bis(2-chloroethoxy) methane	<10	1				0	Recra	µg/L
Bis(2-chloroethyl) ether	<10	1				0	Recra	µg/L
Bis(2-chloroisopropyl) ether	<10	1				0	Recra	µg/L
Bis(2-ethylhexyl) phthalate	<4.0	1	V			0	Recra	µg/L
Bromodichloromethane	<5.0	1				0	Recra	µg/L
Bromoform	<5.0	1				0	Recra	µg/L
Bromomethane	<10	1				0	Recra	µg/L
4-Bromophenyl phenyl ether	<10	1				0	Recra	µg/L
Butyl benzyl phthalate	<10	1				0	Recra	µg/L
2-sec-Butyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Cadmium, total recoverable	<4.7	1				0	Recra	µg/L
Carbon disulfide	<5.0	1				0	Recra	µg/L
Carbon tetrachloride	<5.0	1				0	Recra	µg/L
alpha-Chlordane	<0.052	1				0	Recra	µg/L
gamma-Chlordane	<0.052	1				0	Recra	µg/L
4-Chloroaniline	<10	1				0	Recra	µg/L
Chlorobenzene	<5.0	1				0	Recra	µg/L
Chlorobenzilate	<10	1				0	Recra	µg/L
4-Chloro-m-cresol	<10	1				0	Recra	µg/L
Chloroethane	<10	1				0	Recra	µg/L
Chloroethene (Vinyl chloride)	<10	1				0	Recra	µg/L

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WELL XSB 5A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Chloroform	<5.0	1				0	Recra	µg/L
Chloromethane	<3.0	1	V			0	Recra	µg/L
2-Chloronaphthalene	<10	1				0	Recra	µg/L
2-Chlorophenol	<10	1				0	Recra	µg/L
4-Chlorophenyl phenyl ether	<10	1				0	Recra	µg/L
Chloroprene	<5.0	1				0	Recra	µg/L
Chromium, total recoverable	1.5	1	JE			0	Recra	µg/L
Chrysene	<10	1				0	Recra	µg/L
Cobalt, total recoverable	<4.5	1				0	Recra	µg/L
Copper, total recoverable	70	1	V			0	Recra	µg/L
o-Cresol (2-Methylphenol)	<10	1				0	Recra	µg/L
p-Cresol (4-Methylphenol)	<10	1				0	Recra	µg/L
Cyanide	<15	1				0	Recra	µg/L
p,p'-DDD	<0.10	1				0	Recra	µg/L
p,p'-DDE	<0.10	1				0	Recra	µg/L
p,p'-DDT	<0.10	1				0	Recra	µg/L
Dialiate	<10	1				0	Recra	µg/L
Dibenz[*a,h*]anthracene	<10	1				0	Recra	µg/L
Dibenzofuran	<10	1				0	Recra	µg/L
Dibromochloromethane	<5.0	1				0	Recra	µg/L
1,2-Dibromo-3-chloropropane	<5.0	1				0	Recra	µg/L
1,2-Dibromoethane	<5.0	1				0	Recra	µg/L
Dibromomethane	<5.0	1				0	Recra	µg/L
Di-n-butyl phthalate	<10	1				0	Recra	µg/L
1,2-Dichlorobenzene	<10	1				0	Recra	µg/L
1,3-Dichlorobenzene	<10	1				0	Recra	µg/L
1,4-Dichlorobenzene	<10	1				0	Recra	µg/L
3,3'-Dichlorobenzidine	<20	1				0	Recra	µg/L
trans-1,4-Dichloro-2-butene	<20	1				0	Recra	µg/L
Dichlorodifluoromethane	<10	1				0	Recra	µg/L
1,1-Dichloroethane	<5.0	1				0	Recra	µg/L
1,2-Dichloroethane	<5.0	1				0	Recra	µg/L
1,1-Dichloroethylene	<5.0	1				0	Recra	µg/L
trans-1,2-Dichloroethylene	<5.0	1				0	Recra	µg/L
Dichloromethane	<4.6	1	V			0	Recra	µg/L
2,4-Dichlorophenol	<10	1				0	Recra	µg/L
2,6-Dichlorophenol	<10	1				0	Recra	µg/L
2,4-Dichlorophenoxyacetic acid	<1.0	1				0	Recra	µg/L
1,2-Dichloropropane	<5.0	1				0	Recra	µg/L
cis-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
trans-1,3-Dichloropropene	<5.0	1				0	Recra	µg/L
Dieldrin	<0.10	1				0	Recra	µg/L
Diethyl phthalate	<10	1				0	Recra	µg/L
Dimethoate	<0.20	1				0	Recra	µg/L
2,4-Dimethyl phenol	<10	1				0	Recra	µg/L
Dimethyl phthalate	<10	1				0	Recra	µg/L
p-Dimethylaminoazobenzene	<10	1				0	Recra	µg/L
7,12-Dimethylbenzaanthracene	<10	1				0	Recra	µg/L
3,3'-Dimethylbenzidine	<10	1				0	Recra	µg/L
a,a-Dimethylphenethylamine	<10	1				0	Recra	µg/L
1,3-Dinitrobenzene	<10	1				0	Recra	µg/L
2,4-Dinitrophenol	<50	1				0	Recra	µg/L
2,4-Dinitrotoluene	<10	1				0	Recra	µg/L
2,6-Dinitrotoluene	<10	1				0	Recra	µg/L
Di-n-octyl phthalate	<10	1				0	Recra	µg/L
1,4-Dioxane	<10	1				0	Recra	µg/L
Diphenylamine	<10	1				0	Recra	µg/L
Disulfoton	<0.20	1				0	Recra	µg/L
Endosulfan sulfate	<0.10	1				0	Recra	µg/L
Endosulfan I	<0.052	1				0	Recra	µg/L
Endosulfan II	<0.10	1				0	Recra	µg/L
Endrin	<0.10	1				0	Recra	µg/L
Endrin aldehyde	<0.10	1				0	Recra	µg/L
Ethyl methacrylate	<10	1				0	Recra	µg/L
Ethyl methanesulfonate	<10	1				0	Recra	µg/L
Ethylbenzene	<5.0	1				0	Recra	µg/L
Famphur	<1.0	1				0	Recra	µg/L
Fluoranthene	<10	1				0	Recra	µg/L
Fluorene	<10	1				0	Recra	µg/L
Heptachlor	<0.052	1				0	Recra	µg/L
Heptachlor epoxide	<0.052	1				0	Recra	µg/L
Hexachlorobenzene	<10	1				0	Recra	µg/L

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WELL XSB 5A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Hexachlorobutadiene	<10	1				0	Recra	µg/L
Hexachlorocyclopentadiene	<10	1				0	Recra	µg/L
Hexachlorodibenzo-p-dioxins	<6.1E-04	1				0	Recra	µg/L
Hexachlorodibenzo-p-furans	<4.6E-04	1				0	Recra	µg/L
Hexachloroethane	<10	1				0	Recra	µg/L
Hexachlorophene	<100	1				0	Recra	µg/L
Hexachloropropene	<10	1				0	Recra	µg/L
Hexanone	<10	1				0	Recra	µg/L
Indeno[1,2,3-*c,d*]pyrene	<10	1				0	Recra	µg/L
Iodomethane (Methyl iodide)	<5.0	1				0	Recra	µg/L
Isobutyl alcohol	<100	1				0	Recra	µg/L
Isodrin	<0.10	1				0	Recra	µg/L
Isophorone	<10	1				0	Recra	µg/L
Isosafrole	<10	1				0	Recra	µg/L
Kepone	<0.52	1				0	Recra	µg/L
Lead, total recoverable	25	1	JE			1	Recra	µg/L
Lindane	<0.052	1				0	Recra	µg/L
Mercury, total recoverable	0.55	1	JE			0	Recra	µg/L
Methacrylonitrile	<10	1				0	Recra	µg/L
Methapyrilene	<10	1				0	Recra	µg/L
Methoxychlor	<0.52	1				0	Recra	µg/L
2-Methyl-4,6-dinitrophenol	<50	1				0	Recra	µg/L
Methyl ethyl ketone	<10	1				0	Recra	µg/L
Methyl isobutyl ketone	<10	1				0	Recra	µg/L
Methyl methacrylate	<10	1				0	Recra	µg/L
Methyl methanesulfonate	<10	1				0	Recra	µg/L
3-Methylcholanthrene	<10	1				0	Recra	µg/L
2-Methylnaphthalene	<10	1				0	Recra	µg/L
Naphthalene	<10	1				0	Recra	µg/L
1,4-Naphthoquinone	<10	1				0	Recra	µg/L
1-Naphthylamine	<10	1				0	Recra	µg/L
2-Naphthylamine	<10	1				0	Recra	µg/L
Nickel, total recoverable	2.6	1	JE			0	Recra	µg/L
m-Nitroaniline	<50	1				0	Recra	µg/L
o-Nitroaniline	<50	1				0	Recra	µg/L
p-Nitroaniline	<50	1				0	Recra	µg/L
Nitrobenzene	<10	1				0	Recra	µg/L
2-Nitrophenol	<10	1				0	Recra	µg/L
4-Nitrophenol	<50	1	J			0	Recra	µg/L
4-Nitroquinoline-1-oxide	<20	1				0	Recra	µg/L
N-Nitrosodi-n-butylamine	<10	1				0	Recra	µg/L
N-Nitrosodiethylamine	<10	1				0	Recra	µg/L
N-Nitrosodimethylamine	<10	1				0	Recra	µg/L
N-Nitrosodiphenylamine	<10	1				0	Recra	µg/L
N-Nitrosodipropylamine	<10	1				0	Recra	µg/L
N-Nitrosomethylethylamine	<10	1				0	Recra	µg/L
N-Nitrosomorpholine	<10	1				0	Recra	µg/L
N-Nitrosopiperidine	<50	1				0	Recra	µg/L
N-Nitrosopyrrolidine	<10	1				0	Recra	µg/L
5-Nitro-o-toluidine	<10	1				0	Recra	µg/L
Parathion methyl	<0.20	1				0	Recra	µg/L
PCB 1016	<1.0	1				0	Recra	µg/L
PCB 1221	<2.1	1				0	Recra	µg/L
PCB 1232	<1.0	1				0	Recra	µg/L
PCB 1242	<1.0	1				0	Recra	µg/L
PCB 1248	<1.0	1				0	Recra	µg/L
PCB 1254	<1.0	1				0	Recra	µg/L
PCB 1260	<1.0	1				0	Recra	µg/L
Pentachlorobenzene	<10	1				0	Recra	µg/L
Pentachlorodibenzo-p-furans	<5.6E-04	1				0	Recra	µg/L
Pentachloroethane	<10	1				0	Recra	µg/L
Pentachloronitrobenzene	<50	1				0	Recra	µg/L
Pentachlorophenol	<50	1				0	Recra	µg/L
Phenacetin	<10	1				0	Recra	µg/L
Phenanthrene	<10	1				0	Recra	µg/L
Phenol	<10	1				0	Recra	µg/L
p-Phenylenediamine	<10	1				0	Recra	µg/L
Phorate	<0.20	1				0	Recra	µg/L
2-Picoline	<10	1				0	Recra	µg/L
Pronamid	<10	1				0	Recra	µg/L
Propionitrile	<50	1				0	Recra	µg/L
Pyrene	<10	1				0	Recra	µg/L

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WELL XSB 5A (cont.)

Parameter	3Q97	DF	Mod	ST	H	Flag	Lab	Unit
Pyridine	<10	1				0	Recra	µg/L
Safrole	<10	1				0	Recra	µg/L
Selenium, total recoverable	2.7	1	JE			0	Recra	µg/L
Silver, total recoverable	<5.0	1				0	Recra	µg/L
Styrene	<5.0	1				0	Recra	µg/L
Sulfide	<10,000	1				0	Recra	µg/L
Sulfotepp	<0.20	1				0	Recra	µg/L
2,4,5-T	<0.51	1	J			0	Recra	µg/L
2,3,7,8-TCDD	<2.0E-04	1				0	Recra	µg/L
1,2,4,5-Tetrachlorobenzene	<10	1				0	Recra	µg/L
Tetrachlorodibenzo-p-dioxins	<2.0E-04	1				0	Recra	µg/L
Tetrachlorodibenzo-p-furans	<2.5E-04	1				0	Recra	µg/L
1,1,1,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
1,1,2,2-Tetrachloroethane	<5.0	1				0	Recra	µg/L
Tetrachloroethylene	<5.0	1				0	Recra	µg/L
2,3,4,6-Tetrachlorophenol	<10	1				0	Recra	µg/L
Thallium, total recoverable	<55	1				0	Recra	µg/L
Thionazin	<0.20	1				0	Recra	µg/L
Tin, total recoverable	<70	1				0	Recra	µg/L
Toluene	<5.0	1				0	Recra	µg/L
o-Toluidine	<10	1				0	Recra	µg/L
Toxaphene	<5.2	1				0	Recra	µg/L
2,4,5-TP (Silvex)	<0.51	1				0	Recra	µg/L
1,2,4-Trichlorobenzene	<10	1				0	Recra	µg/L
1,1,1-Trichloroethane	<5.0	1				0	Recra	µg/L
1,1,2-Trichloroethane	<5.0	1				0	Recra	µg/L
Trichloroethylene	*49*	1		■		2	Recra	µg/L
Trichlorofluoromethane	<5.0	1				0	Recra	µg/L
2,4,5-Trichlorophenol	<50	1				0	Recra	µg/L
2,4,6-Trichlorophenol	<10	1				0	Recra	µg/L
1,2,3-Trichloropropane	<5.0	1				0	Recra	µg/L
O,O,O-Triethyl phosphorothioate	<0.20	1				0	Recra	µg/L
1,3,5-Trinitrobenzene	<10	1				0	Recra	µg/L
Vanadium, total recoverable	<6.9	1				0	Recra	µg/L
Vinyl acetate	<10	1				0	Recra	µg/L
Xylenes	<5.0	1				0	Recra	µg/L
Zinc, total recoverable	14	1	JE			0	Recra	µg/L

Note: Concentrations in bold italics exceed the standards listed in Appendix A. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time
■ = exceeded Primary Drinking Water Standard

Table B-3. Groundwater Monitoring Results for Individual Recovery Wells, Monthly Sampling

WELL TRW 1

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71162.8 E16947.0	33.210778 °N 81.760326 °W	106.4-81.4 ft msl	156.3 ft msl	6" PVC		Unconfined

SAMPLE DATE	01/22/97	03/14/97	04/09/97	
FIELD DATA				
Parameter				Unit
Water elevation		93.2	91.0	ft msl
pH	5.2	3.6	4.4	pH
Sp. conductance	100	280	140	µS/cm
Water temperature	27.0	29.0	20.0	°C
Alkalinity as $CaCO_3$	2	0	1	mg/L
Turbidity	2	2	3	NTU
Sampling code	C	C	C	

ANALYTICAL DATA

H	Constituent				DF	Mod.	Unit	Lab
	Carbon tetrachloride	***26***	***24***	***23***	5		µg/L	WA
	Chloroform	5.0	<10	<5.0	5		µg/L	WA
	Gross alpha	1.0E+00	1.1E+00	2.5E+00	1		pCi/L	QR
	Lead, total recoverable	***58***	<47	***21***	1	JE	µg/L	WA
	Mercury, total recoverable	0.66	0.20	1.0	1		µg/L	WA
●	Nitrate-nitrite as nitrogen		5,600	***12,000***	20	J	µg/L	WA
	Tetrachloroethylene	5.0	<10	<5.0	5		µg/L	WA
	Trichloroethylene	***170***	***260***	***190***	5		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 1

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71162.8 E16947.0	33.210778 °N 81.760326 °W	106.4-81.4 ft msl	156.3 ft msl	6" PVC		Unconfined

SAMPLE DATE	05/05/97	06/10/97	07/18/97	08/12/97	
FIELD DATA					
Parameter					Unit
Water elevation	90.8	90.0	89.9		ft msl
pH	5.0	4.6	4.4	5.4	pH
Sp. conductance	100	100	96	600	µS/cm
Water temperature	32.0	29.0	22.9	23.0	°C
Alkalinity as $CaCO_3$	4	2	1	4	mg/L
Turbidity	1	3	2	4	NTU
Sampling code	C	C	C	CS	

ANALYTICAL DATA

H	Constituent					DF	Mod.	Unit	Lab
	Carbon tetrachloride	***18***	***19***	***22***	***15***	5		µg/L	WA
	Chloroform	<5.0	<5.0	0.93	<5.0	5		µg/L	WA
	Gross alpha	2.3E+00	1.1E+00	3.5E+00	3.9E+00	1	J	pCi/L	TM
	Lead, total recoverable	<47	5.3	<1.0	<47	1		µg/L	WA
	Mercury, total recoverable	0.54	0.50	0.42	0.35	1	JE	µg/L	WA
	Nitrate-nitrite as nitrogen	9,000	8,300	7,400	8,700	10	V	µg/L	WA
	Tetrachloroethylene	<5.0	<5.0	2.5	<5.0	5		µg/L	WA
	Trichloroethylene	***170***	***130***	***150***	***140***	5		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 1

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71162.8 E16947.0	33.210778 °N 81.760326 °W	106.4-81.4 ft msl	156.3 ft msl	6" PVC		Unconfined

SAMPLE DATE	09/09/97	10/27/97	12/29/97	
FIELD DATA				
Parameter				Unit
Water elevation			90.9	ft msl
pH	4.0	4.0	3.8	pH
Sp. conductance	100	54	340	µS/cm
Water temperature	21.0	20.0	17.0	°C
Alkalinity as $CaCO_3$	1	1	0	mg/L
Turbidity	3	11	2	NTU
Sampling code	C	C	C	

ANALYTICAL DATA

H	Constituent				DF	Mod.	Unit	Lab
	Carbon tetrachloride	***13***	***11***	***13***	1		µg/L	WA
	Chloroform	<5.0	<5.0	<1.0	1		µg/L	WA
	Gross alpha	4.7E+00	4.9E+00	7.3E+00	1		pCi/L	TM
	Lead, total recoverable	<47	9.4	<47	1		µg/L	WA
	Mercury, total recoverable	0.33	0.57	0.51	1	J	µg/L	WA
	Nitrate as nitrogen			6,900	1		µg/L	WA
	Nitrate-nitrite as nitrogen	7,500	5,800				µg/L	
	Tetrachloroethylene	<5.0	<5.0	<1.0	1		µg/L	WA
	Trichloroethylene	***120***	***120***	***100***	1		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 2

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71259.6 E16803.8	33.210758 °N 81.760891 °W	112.2-77.2 ft msl	154.3 ft msl	6" PVC		Unconfined

SAMPLE DATE	01/22/97	03/14/97	04/09/97	
FIELD DATA				
Parameter				Unit
Water elevation		92.6		ft msl
pH	5.0	5.2	4.4	pH
Sp. conductance	94	260	100	µS/cm
Water temperature	27.0	29.0	20.0	°C
Alkalinity as $CaCO_3$	2	1	6	mg/L
Turbidity	1	5	10	NTU
Sampling code	C	C	C	

ANALYTICAL DATA

H	Constituent				DF	Mod.	Unit	Lab
	Carbon tetrachloride	***9.4***	<5.0	***9.1***	5		µg/L	WA
	Chloroform	5.0	<5.0	<5.0	5		µg/L	WA
	Gross alpha	3.5E+00	1.6E+00	1.9E+00	1		pCi/L	QR
	Lead, total recoverable	<40	<47	6.5	1	JE	µg/L	WA
	Mercury, total recoverable	0.47	<0.70	0.31	1	JE	µg/L	WA
●	Nitrate-nitrite as nitrogen		5,300	6,700	10	J	µg/L	WA
	Tetrachloroethylene	5.0	<5.0	<5.0	5		µg/L	WA
	Trichloroethylene	***160***	***85***	***130***	5		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 2

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71259.6 E16803.8	33.210758 °N 81.760891 °W	112.2-77.2 ft msl	154.3 ft msl	6" PVC		Unconfined

SAMPLE DATE	05/05/97	06/10/97	07/18/97	08/12/97
FIELD DATA				
Parameter				Unit
Water elevation	89.3			ft msl
pH	5.0	4.6	4.4	4.4	pH
Sp. conductance	82	80	76	200	µS/cm
Water temperature	32.0	29.0	23.5	22.0	°C
Alkalinity as $CaCO_3$	3	3	0	0	mg/L
Turbidity	1	3	4	2	NTU
Sampling code	C	CS	CS	CS	

ANALYTICAL DATA

H	Constituent					DF	Mod.	Unit	Lab
	Carbon tetrachloride	***6.5***	***11***	***5.6***	5.0	1		µg/L	WA
	Chloroform	<5.0	<5.0	<2.0	<1.0	1		µg/L	WA
	Gross alpha	1.8E+00	3.1E+00	3.1E+00	2.4E+00	1	J	pCi/L	TM
	Lead, total recoverable	<47	<47	<47	<47	1		µg/L	WA
	Mercury, total recoverable	0.33	0.20	0.16	0.080	1	JE	µg/L	WA
	Nitrate-nitrite as nitrogen	5,400	5,400	4,500	4,900	5	V	µg/L	WA
	Tetrachloroethylene	<5.0	<5.0	<2.0	<1.0	1		µg/L	WA
	Trichloroethylene	***110***	***86***	***55***	***42***	1		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 2

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71259.6 E16803.8	33.210758 °N 81.760891 °W	112.2-77.2 ft msl	154.3 ft msl	6" PVC		Unconfined

SAMPLE DATE	09/09/97	10/27/97	12/29/97	
FIELD DATA				
Parameter				Unit
Water elevation			91.2	ft msl
pH	4.0	4.2	3.8	pH
Sp. conductance	100	140	340	µS/cm
Water temperature	21.0	19.0	18.0	°C
Alkalinity as $CaCO_3$	1	1	0	mg/L
Turbidity	4	4	1	NTU
Sampling code	C	C	C	

ANALYTICAL DATA

H	Constituent				DF	Mod.	Unit	Lab
	Carbon tetrachloride	3.8	3.1	2.6	1		µg/L	WA
	Chloroform	<1.0	<1.0	<1.0	1		µg/L	WA
	Gross alpha	1.9E+00	3.3E+00	7.7E+00	1		pCi/L	TM
	Lead, total recoverable	<47	<5.0	<47	1		µg/L	WA
	Mercury, total recoverable	0.10	1.3	<0.7	1		µg/L	WA
	Nitrate as nirogen			4,000	1		µg/L	WA
	Nitrate-nitrite as nitrogen	5,000	3,100				µg/L	
	Tetrachloroethylene	<1.0	0.54	<1.0	1		µg/L	WA
	Trichloroethylene	*33*	*30*	28	1		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 3

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71334.4 E17004.7	33.211251 °N 81.760508 °W	112.3-77.4 ft msl	154.5 ft msl	6" PVC		Unconfined

SAMPLE DATE	01/22/97	03/14/97	04/09/97	
FIELD DATA				
Parameter				Unit
Water elevation				ft msl
pH	5.6	5.0	5.0	pH
Sp. conductance	70	200	66	µS/cm
Water temperature	27.0	29.0	21.0	°C
Alkalinity as $CaCO_3$	11	11	9	mg/L
Turbidity	1	5	2	NTU
Sampling code	C	CS	C	

ANALYTICAL DATA

H	Constituent				DF	Mod.	Unit	Lab
	Carbon tetrachloride	1.5	<2.0	1.4	1		µg/L	WA
	Chloroform	1.0	<2.0	1.3	1		µg/L	WA
	Gross alpha	1.7E+00	1.2E+00	1.1E+00	1		pCi/L	QR
	Lead, total recoverable	<9.5	<47	8.4	1	JE	µg/L	WA
	Mercury, total recoverable	<0.70	0.080	<0.70	1		µg/L	WA
●	Nitrate-nitrite as nitrogen		1,800	1,700	5	J	µg/L	WA
	Tetrachloroethylene	1.0	<2.0	<1.0	1		µg/L	WA
	Trichloroethylene	***84.3***	***50***	***44***	1		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 3

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71334.4 E17004.7	33.211251 °N 81.760508 °W	112.3-77.4 ft msl	154.5 ft msl	6" PVC		Unconfined

SAMPLE DATE	05/05/97	06/10/97	07/18/97	08/12/97

FIELD DATA

Parameter					Unit
Water elevation	81.3				ft msl
pH	5.6	5.0	5.2	4.8	pH
Sp. conductance	54	54	54	180	µS/cm
Water temperature	32.0	30.0	22.3	24.0	°C
Alkalinity as $CaCO_3$	10	8	22	0	mg/L
Turbidity	2	2	10	2	NTU
Sampling code	C	CS	CS	CS	

ANALYTICAL DATA

H	Constituent					DF	Mod.	Unit	Lab
	Carbon tetrachloride	1.2	0.63	<2.0	<2.0	2		µg/L	WA
	Chloroform	<1.0	<1.0	<2.0	<2.0	2		µg/L	WA
	Gross alpha	1.4E+00	3.9E+00	1.9E+00	2.1E+00	1	J	pCi/L	TM
	Lead, total recoverable	<47	<5.0	<47	<47	1		µg/L	WA
	Mercury, total recoverable	<0.70	<0.20	<0.70	<0.70	1		µg/L	WA
●	Nitrate-nitrite as nitrogen	1,200	1,140	1,000	870	1	JV	µg/L	WA
	Tetrachloroethylene	<1.0	<1.0	<2.0	<2.0	2		µg/L	WA
	Trichloroethylene	*32*	*28*	*35*	*36*	2		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 3

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71334.4 E17004.7	33.211251 °N 81.760508 °W	112.3-77.4 ft msl	154.5 ft msl	6" PVC		Unconfined

SAMPLE DATE	09/09/97	10/27/97	Unit
FIELD DATA			
Water elevation			ft msl
pH	4.8	3.8	pH
Sp. conductance	54	82	µS/cm
Water temperature	21.0	27.0	°C
Alkalinity as $CaCO_3$	2	1	mg/L
Turbidity	3	8	NTU
Sampling code	C	C	

ANALYTICAL DATA

H	Constituent			DF	Mod.	Unit	Lab
	Carbon tetrachloride	<1.0	<1.0			µg/L	
	Chloroform	<1.0	<1.0			µg/L	
	Gross alpha	2.5E+00	2.4E+00			pCi/L	
	Lead, total recoverable	<47	14			µg/L	
	Mercury, total recoverable	<0.70	0.16			µg/L	
	Nitrate-nitrite as nitrogen	870	650			µg/L	
	Tetrachloroethylene	<1.0	<1.0			µg/L	
	Trichloroethylene	*30*	*19*			µg/L	

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71454.2 E17144.6	33.211745 °N 81.760373 °W	111.9-81.9 ft msl	150.9 ft msl	6" PVC		Unconfined

SAMPLE DATE 01/22/97 03/14/97 04/09/97

FIELD DATA

Parameter				Unit
Water elevation		94.8	90.6	ft msl
pH	5.2	3.6	4.4	pH
Sp. conductance	62	300	72	µS/cm
Water temperature	27.0	29.0	22.0	°C
Alkalinity as $CaCO_3$	4	0	7	mg/L
Turbidity	1	7	2	NTU
Sampling code	C	C	C	

ANALYTICAL DATA

H	Constituent				DF	Mod.	Unit	Lab
	Carbon tetrachloride	2.2	<1.0	<5.0	5		µg/L	WA
	Chloroform	1.0	1.9	<5.0	5		µg/L	WA
	Gross alpha	1.1E+00	1.2E+00	1.7E+00	1		pCi/L	QR
	Lead, total recoverable	<7.1	<47	<47	1		µg/L	WA
	Mercury, total recoverable	<0.70	<0.70	<0.70	1		µg/L	WA
●	Nitrate-nitrite as nitrogen		4,900	3,500	5	J	µg/L	WA
	Tetrachloroethylene	1.0	<1.0	<5.0	5		µg/L	WA
	Trichloroethylene	***156***	***153***	***110***	5		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71454.2 E17144.6	33.211745 °N 81.760373 °W	111.9-81.9 ft msl	150.9 ft msl	6" PVC		Unconfined

SAMPLE DATE	05/05/97	06/10/97	07/18/97	08/12/97	
FIELD DATA					
Parameter					Unit
Water elevation	88.8	87.6	89.1	87.0	ft msl
pH	5.2	3.6	5.0	4.2	pH
Sp. conductance	62	120	68	140	µS/cm
Water temperature	32.0	30.0	24.4		°C
Alkalinity as $CaCO_3$	9		18	0	mg/L
Turbidity	6	1	16	4	NTU
Sampling code	C	C	C	C	

ANALYTICAL DATA

H	Constituent					DF	Mod.	Unit	Lab
	Carbon tetrachloride	<2.0	<2.0	<2.0	<2.0	1		µg/L	EX
	Chloroform	<2.0	<2.0	<2.0	<2.0	1		µg/L	EX
	Gross alpha	8.4E-01	1.8E+00	2.6E+00	1.4E+00	1	J	pCi/L	TM
	Lead, total recoverable	7.4	<47	<47	<5.0	1		µg/L	EX
	Mercury, total recoverable	<0.70	<0.70	<0.70	<0.20	1		µg/L	EX
	Nitrate-nitrite as nitrogen	2,600	2,200	2,100	2,100	4	V	µg/L	WA
	Tetrachloroethylene	<2.0	<2.0	<2.0	<2.0	1		µg/L	EX
	Trichloroethylene	*77*	*62*	*59*	*59*	2		µg/L	WA

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

WELL TRW 4

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N71454.2 E17144.6	33.211745 °N 81.760373 °W	111.9-81.9 ft msl	150.9 ft msl	6" PVC		Unconfined

SAMPLE DATE	09/09/97	10/27/97

FIELD DATA

Parameter			Unit
Water elevation			ft msl
pH	4.6	4.2	pH
Sp. conductance	100	120	µS/cm
Water temperature		21.0	°C
Alkalinity as $CaCO_3$	1	1	mg/L
Turbidity	4	5	NTU
Sampling code	C	C	

ANALYTICAL DATA

H	Constituent			DF	Mod.	Unit	Lab
	Carbon tetrachloride	<2.0	<1.0			µg/L	
	Chloroform	<2.0	<1.0			µg/L	
	Gross alpha	2.0E+00	8.6E-01			pCi/L	
	Lead, total recoverable	<47	<47			µg/L	
	Mercury, total recoverable	<0.70	0.13			µg/L	
	Nitrate-nitrite as nitrogen	520	1,500			µg/L	
	Tetrachloroethylene	<2.0	<1.0			µg/L	
	Trichloroethylene	***46***	***38***			µg/L	

Notes: Concentrations in bold italics exceed the Primary Drinking Water Standards listed in Appendix A. Dilution factor, modifier, and laboratory are for the last month in each table only.
● = exceeded holding time for the last month in each table.

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
N71996.2 E18050.9	33.214423 °N 81.759044 °W	82.4-71.9 ft msl	154.5	154.1 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	02/04/97	05/01/97	09/24/97	11/05/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	47.8	47.0	48.8	48.5	ft msl
pH	6.2	6.2	6.2	6.5	pH units
Sp. conductance	84	82	84	80	µS/cm
Water temperature	26.0	31.0	20.9	19.1	°C
Alkalinity as $CaCO_3$	31	20	36	41	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	6	1	2	1	NTU
Volume purged	69	60	47	54	gallons
Sampling code		N			

WELL P 26D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71969.3 E18041.6	33.214348 °N 81.759016 °W	121.9-101.8 ft msl	153.7	153.9 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	02/04/97	05/05/97	09/23/97	11/05/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	40.8	40.1	41.4	41.6	ft msl
pH	6.0	5.8	5.9	5.7	pH units
Sp. conductance	48	44	42	45	µS/cm
Water temperature	28.0	30.0	22.9	18.9	°C
Alkalinity as $CaCO_3$	15	19	15	16	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	1	1	1	NTU
Volume purged	48	62	0	0	gallons
Sampling code		N	N	N	

WELL TBG 7

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71298.5 E17548.1	33.212060 °N 81.759010 °W	104.7-84.7 ft msl	146.9	146.8 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/06/97	05/08/97	09/23/97	11/05/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	42.9	43.8	45.4	45	ft msl
pH	5.6	5.4	6.0	5.5	pH units
Sp. conductance	50	54	50	51	µS/cm
Water temperature	32.0	31.0	25.6	22.6	°C
Alkalinity as $CaCO_3$	9	11	14	8	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	3	3	1	NTU
Volume purged	30	131	0	45	gallons
Sampling code			N		

WELL TNX 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70995.3 E17363.7	33.211088 °N 81.758905 °W	108.5-88.5 ft msl	149.5	149.3 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/06/97	05/09/97	09/23/97	11/24/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	46.4	47.2	48.8	47.7	ft msl
pH	4.4	5.2	5.4	5.3	pH units
Sp. conductance	100	100	95	110	µS/cm
Water temperature	28.0	32.0	22.7	18.4	°C
Alkalinity as $CaCO_3$	3	8	10	3	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	4	12	14	0	NTU
Volume purged	3	6	0	5	gallons
Sampling code	XN	XN	N	XN	

WELL TNX 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70717.6 E17428.7	33.210581 °N 81.758195 °W	109.8-89.8 ft msl	150.7	150.5 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/06/97	05/09/97	09/24/97	11/24/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	47.3	47.9	49.8	48.6	ft msl
pH	5.4	5.4	6.6	5.5	pH units
Sp. conductance	180	180	240	39	µS/cm
Water temperature	29.0	30.0	22.0	20.1	°C
Alkalinity as $CaCO_3$	9	12	9	11	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	5	3	9	7	NTU
Volume purged	4	3	3	3	gallons
Sampling code	XN	LN	LN	XN	

WELL YSB 1A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71162.2 E17808.8	33.212184 °N 81.758059 °W	128.4-98.4 ft msl	145.9	145.5 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/18/97	05/20/97	09/23/97	11/25/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	27.4	25.0	28.5	27.5	ft msl
pH	5.4	5.2	5.7	5.0	pH units
Sp. conductance	34	50	41	40	µS/cm
Water temperature	30.0	31.0	23.3	21.1	°C
Alkalinity as $CaCO_3$	4	8	10	1	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	1	2	1	1	NTU
Volume purged	55	105	0	63	gallons
Sampling code			N		

WELL YSB 2A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71010.0 E17850.2	33.211915 °N 81.757655 °W	127.7-97.7 ft msl	144.8	144.7 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/18/97	05/20/97	09/24/97	11/25/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	23.1	26.5	27.8	26.5	ft msl
pH	5.4	5.2	5.6	5.3	pH units
Sp. conductance	40	38	37	37	µS/cm
Water temperature	32.0	30.0	21.4	19.2	°C
Alkalinity as $CaCO_3$	7	7	7	0	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	6	2	4	1	NTU
Volume purged	166	67	28	52	gallons
Sampling code			N	PN	

WELL YSB 3A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N70859.0 E17755.2	33.211427 °N 81.757611 °W	126.7-96.7 ft msl	144.2	143.9 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/18/97	05/20/97	09/24/97	11/24/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	22.9	28.3	28.0	26.3	ft msl
pH	6.2	6.0	6.2	6.0	pH units
Sp. conductance	76	98	140	69	µS/cm
Water temperature	31.0	31.0	20.0	22.5	°C
Alkalinity as $CaCO_3$	0	33	27	11	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	7	13	6	5	NTU
Volume purged	38	20	50	45	gallons
Sampling code		XN	LN		

WELL YSB 4A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Standpipe	Top of Casing	Casing	Pump	Screen Zone
N71020.7 E17739.8	33.211759 °N 81.757966 °W	127.6-97.6 ft msl	144.8	144.6 ft msl	4" PVC	S	Unconfined

SAMPLE DATE	03/18/97	05/20/97	09/24/97	11/05/97	
FIELD DATA					
Parameter	1Q97	2Q97	3Q97	4Q97	Unit
Depth to water	24.5	24.5	29.0	28.4	ft msl
pH	5.4	5.2	5.5	5.3	pH units
Sp. conductance	50	52	48	47	µS/cm
Water temperature	31.0	30.0	20.8	19.9	°C
Alkalinity as $CaCO_3$	8	8	8	8	mg/L
Phenolpthalein Alkalinity	0	0	0	0	mg/L
Turbidity	7	2	6	2	NTU
Volume purged	46	68	31	54	gallons
Sampling code			N		

Table B-5. Water Elevations for TNX-Area Wells from SRTC Measurements in 1991

	1/91	2/91	3/91	4/91	5/91	6/91	7/91	8/91	9/91	10/91	11/91	12/91
P 26D	116.32	117.8	120.66	122.02	122.28	121.81	121.13	121.35	121.37	120.72	120.08	119.13
TBG 1	100.33	101.27	101.71	101.74	101.85	101.25	101.02	101.62	101.2	100.82	100.72	100.39
TBG 3	102.96	103.75	104	104.5	104.66	104.54	104.25	104.62	104.68	104.58	104.42	103.63
TBG 4	102.44	103.23	103.63	104.08	104.33	104.03	103.82	104.32	104.26	104.13	103.83	103.32
TBG 5	102.56	103.58	104.28	104.67	104.98	104.39	104.02	104.62	104.55	104.17	113.42	103.16
TBG 6	102.85	103.78	104.26	104.57	104.68	104.35	104.08	104.47	104.37	104.06	103.62	103.25
TBG 7	105.24	106.53	107.58	108.06	108.48	107.85	107.34	108.12	108.12	107.58	107.07	106.22
TNX 1D	99.16	99.84	100.44	100.48	100.3	99.63	99.46	100.24	99.41	99.31	99.46	98.86
TNX 2D	99.24	99.91	100.38	100.37	100.43	99.61	99.58	100.1	99.65	99.37	99.37	99.07
TNX 3D	99.75	100.39	101	101.11	101.18	100.65	100.31	100.5	100.55	103.29	100.19	99.75
TNX 4D	102.45	103.45	104.21	104.55	105.09	104.71	105.25	104.98	104.98	104.68	104.37	103.54
TNX 5D	104.25	105.37	106.43	106.83	105.85	107.32	106.51	107.35	107.58	107.07	106.75	105.46
TNX 6D	104.75	105.98	107.11	107.5	108.11	107.74	106.92	107.5	108.21	107.5	107.15	105.89
TNX 7D	100.7	101.52	102.14	102.28	102.19	101.42	101.14	101.9	101.16	100.75	100.74	100.33
TNX 8D	94.25	94.13	94.44	94.52	94.75	93.78	93.92	94.68	93.76	93.62	93.78	93.68
TNX 9D	94.06	94.03	94.33	94.43	94.57	93.73	93.89	94.54	93.75	93.53	93.62	93.58
TNX 10D	93.85	93.94	94.31	94.31	94.56	93.56	93.79	94.42	93.55	93.33	93.53	93.53
TNX 11D	93.62	93.7	93.93	94.15	94.45	93.35	93.75	94.41	93.35	93.17	93.37	93.25
TNX 12D	94.79	95.01	95.13	95.29	95.4	94.53	94.95	95.13	94.46	94.43	94.49	94.45
XSB 2D	98.74	99.32	99.82	99.87	99.95	99.21	99.15	99.65	99.29	99.02	99.02	98.68
XSB 3A	99	99.64	100.12	100.22	100.35	99.75	99.56	100.12	99.75	99.44	99.37	99.07
XSB 4D	98.84	99.34	99.85	99.94	100.02	99.58	99.25	99.88	99.36	99.11	98.9	98.82
XSB 5A	98.12	97.88	97.13	98.95	92.4	98.33	98.24	98.25	98.2	92.4	92.99	92.9
YSB 1A	119.82	121.74	122.7	123.28	122.89	122.35	120.96	122.45	122.93	121.82	119.64	119.79
YSB 2A	120.38	122.88	123.85	124.3	124.04	123.28	122.14	123.98	123.9	122.87	121.37	120.8
YSB 3A	120.26	122.68	124.12	124.34	123.88	122.75	121.58	124.27	123.54	122.25	120.67	119.94
YSB 4A	118.95	121.3	122.2	122.88	122.78	121.78	120.94	122.18	122.32	121.33	117.27	119.14

Table B-6. Water Elevations for TNX-Area Wells from SRTC Measurements in 1992

	1/92	2/92	3/92	4/92	5/92	6/92	7/92	8/92	9/92	10/92	11/92	12/92
P 26D	118.52	118.76	119.26	120.26	119.54	118.88	119.22	119.4	120.15	119.64	118.98	119.22
TBG 1	100.73	100.75	101.42	101.35	100.87	100.74	101.3	101.55	101.82	101.25	101.22	101.38
TBG 3	103.28	103.32	103.88	103.83	103.63	103.43	103.93	104.32	104.59	104.54	104.54	104.47
TBG 4	103.18	103.15	103.58	103.73	103.45	103.18	103.62	104.03	104.57	104.3	104.43	104.58
TBG 5	103.1	103.18	103.75	103.86	103.48	103.22	103.72	104.18	104.64	104.49	104.22	104.46
TBG 6	103.17	103.23	103.53	103.86	103.46	103.25	103.84	104.12	104.53	104.19	103.97	103.99
TBG 7	106.11	106.02	106.88	106.97	106.62	106.26	106.86	107.26	107.78	107.21	107.11	107.41
TNX 1D	99.45	99.72	100.03	100.06	99.36	99.52	100	100.42	100.32	99.72	99.75	100.02
TNX 2D	99.55	99.55	100.08	100.05	99.57	101.56	99.95	100.2	100.12	99.77	99.91	99.98
TNX 3D	100.06	100.27	100.84	100.66	100.19	100.15	100.52	101.06	101	100.6	100.6	100.77
TNX 4D	103.25	103.19	103.65	103.89	103.65	103.4	103.69	104.25	104.87	104.55	105.37	104.38
TNX 5D	105.15	105.21	106.01	106.21	105.83	105.51	106.03	106.83	107.51	106.66	106.39	106.65
TNX 6D	105.48	105.68	106.39	106.84	106.31	105.89	106.17	106.85	107.86	107.37	107.06	107.44
TNX 7D	101.04	101.18	101.83	101.87	101.18	101.24	101.77	102.3	102.28	101.54	101.67	101.49
TNX 8D	94.32	94.48	94.35	94.25	93.72	93.99	93.76	94.06	93.93	94.06	94.34	na
TNX 9D	94.14	94.22	94.09	94.02	93.52	93.77	93.64	93.94	93.83	93.94	94.14	na
TNX 10D	93.86	94	94.03	93.85	93.47	93.69	93.63	93.93	93.7	93.77	93.96	na
TNX 11D	93.55	93.81	93.77	93.65	93.29	93.61	93.41	93.75	93.51	93.71	93.97	na
TNX 12D	94.96	94.99	94.94	94.93	94.53	94.95	94.82	95.19	94.79	94.99	95.22	96.69
XSB 1D	99.32	99.34	99.78	99.82	99.36	99.29	99.46	99.74	100.04	99.64	99.72	99.96
XSB 2D	98.94	99.06	99.5	99.42	99.02	98.98	99.22	99.45	99.56	99.45	99.37	99.82
XSB 3A	99.29	99.37	99.75	99.72	99.44	99.33	99.53	99.79	99.86	99.75	99.68	100.18
XSB 4D	98.95	99.12	99.64	99.52	99.17	99.12	99.18	99.45	99.62	99.35	99.42	99.92
XSB 5A	92.34	92.36	92.26	92.33	92.4	98	98.14	98.83	98.7	98.49	98.53	99.03
YSB 1A	119.64	na	na	na	120.58	120.3	121.42	122.2	122.13	120.92	120.48	121.36
YSB 2A	120.66	121.42	na	na	121.64	121.32	122.38	122.4	122.15	121.87	121.47	120.72
YSB 3A	119.78	120.38	122.15	121.35	120.73	120.78	121.76	122.51	123.18	121.75	121.16	121.95
YSB 4A	119.04	119.47	120.66	120.32	120.07	119.56	120.68	121.48	121.42	120.52	119.55	122.22

na = Not available.

Table B-7. Water Elevations for TNX-Area Wells from SRTC Measurements in 1993

	1/93	2/93	3/93	4/93	5/93	6/93	7/93	8/93	9/93	10/93	11/93	12/93
P 26D	120.16	121.62	122.29	122.29	123.92	122.93	121.85	120.74	119.21	118.58	117.78	116.65
TBG 1	102.11	102.28	102.63	103.22	102.42	102.31	101.65	101.08	101.13	100.82	100.85	100.48
TBG 3	104.74	105.12	105.77	106.15	106.03	105.95	105.32	104.55	104.39	103.95	103.84	103.32
TBG 4	104.74	104.89	105.52	105.52	105.85	105.59	105.14	104.51	104.33	103.98	103.78	103.33
TBG 5	104.94	105.52	105.72	105.72	106.24	105.82	105.04	104.23	104	103.54	103.36	103.04
TBG 6	104.63	104.99	105.36	105.36	105.58	105.32	104.77	103.86	104.06	103.66	103.54	103.08
TBG 7	107.89	108.62	109.13	110.05	109.18	110.01	108.32	107.21	106.85	106.31	106.02	105.05
TNX 1D	100.52	100.8	101.13	101.27	100.4	100.44	99.82	99.54	100	99.34	99.56	99.33
TNX 2D	100.79	100.89	101.15	101.34	100.73	100.59	99.88	99.64	99.9	99.43	99.58	98.97
TNX 3D	101.4	101.57	101.77	102.34	101.67	101.5	100.97	100.41	100.35	100.02	100.95	99.69
TNX 4D	105.09	105.49	105.85	106.4	106.3	105.85	105.38	104.56	104.05	103.57	103.37	102.84
TNX 5D	107.17	108.11	108.38	109.29	109.14	108.32	107.72	106.46	105.95	105.41	104.94	104.53
TNX 6D	108.17	109.18	109.64	112.01	111.11	109.72	108.97	107.3	106.51	105.99	105.37	104.9
TNX 7D	102.42	102.57	102.72	103.38	102.5	102.44	101.58	101.26	101.73	101.1	101.31	100.9
TNX 8D	96.77	96.11	96.36	96.36	94.24	94.32	93.57	93.53	93.73	93.39	93.74	93.63
TNX 9D	96.76	96.03	96.31	96.31	94.04	94.03	93.55	93.39	93.6	93.35	93.52	93.56
TNX 10D	96.83	96.26	96.4	96.4	93.93	93.89	93.43	93.35	93.53	93.29	93.53	93.48
TNX 11D	96.51	95.92	96.01	96.01	93.81	93.75	93.35	93.35	93.47	92.36	93.51	93.41
TNX 12D	96.97	96.59	96.73	96.73	95.07	95.09	94.39	94.58	94.69	94.47	94.85	94.57
XSB 1D	100.54	100.69	100.85	101.32	100.67	100.52	99.98	99.34	99.56	99.19	99.24	99.11
XSB 2D	100.33	100.24	100.58	100.96	100.32	100.04	99.44	99.12	99.24	98.9	98.94	98.74
XSB 3A	100.58	100.67	100.95	100.95	100.74	100.57	100.02	99.42	99.42	99.23	99.23	99.15
XSB 4D	100.29	100.52	100.66	101.06	100.32	100.12	99.57	99.18	99.24	98.84	98.92	98.83
XSB 5A	99.28	99.26	99.46	99.4	98.59	98.49	97.48	97.68	97.93	97.21	97.22	97.64
YSB 1A	122.11	122.57	122.92	124.53	122.9	122.82	122.21	120.45	119.74	120.8	119.35	118.63
YSB 2A	123.45	123.79	124.6	126.05	124.67	123.92	123.21	121.32	120.76	120.24	119.48	119.26
YSB 3A	121.63	121.85	124.78	126.3	124.15	123.58	122.59	120.51	120.02	119.58	119.02	118.28
YSB 4A	121.52	122.18	122.76	124.19	122.99	122.42	121.02	119.69	118.98	118.91	118.33	117.36

Table B-8. Water Elevations for TNX-Area Wells from SRTC Measurements in 1994

	1/94	2/94	3/94	4/94	5/94	6/94	7/94	8/94	9/94	10/94
P 26D	116.53	116.25	116.85	118.02	117.74	117.28	116.84	116.28	na	115.67
TBG 1	100.8	100.99	101.74	101.36	101.06	100.54	100.6	100.22	100.29	100.57
TBG 3	103.46	103.43	103.88	104.18	104.03	103.66	103.64	103.36	103.12	103.53
TBG 4	103.52	103.44	103.86	104.26	104.18	103.56	103.63	103.28	103.28	na
TBG 5	103.01	103.06	103.85	103.95	102.66	103	103.03	102.76	na	na
TBG 6	103.32	103.28	103.21	103.72	103.68	102.76	103.15	102.92	102.77	102.85
TBG 7	105.39	105.38	105.33	106.46	106.24	105.41	105.33	105	104.88	105.08
TNX 1D	99.63	99.76	100.2	99.85	99.57	99.06	99.67	98.94	98.96	99.7
TNX 2D	99.65	99.88	100.38	99.74	99.62	98.85	99.37	98.97	98.69	99.55
TNX 3D	100.04	100.33	100.84	100.57	101	99.56	100.15	99.65	99.67	100.25
TNX 4D	102.86	102.9	102.79	103.66	103.52	102.9	103.07	102.56	102.46	102.45
TNX 5D	104.63	104.67	104.88	105.76	105.56	104.83	104.55	104.47	104.04	104.07
TNX 6D	104.97	104.89	105.63	106.14	105.93	105.29	104.85	104.55	104.41	104.65
TNX 7D	101.18	101.68	102.42	101.63	101.26	100.62	101.33	100.76	100.82	101.17
TNX 8D	94.26	94.68	94.24	94.22	93.68	93.22	94.28	93.33	93.43	95.03
TNX 9D	93.97	94.28	94.11	93.9	93.73	93.2	94.25	93.24	92.68	94.79
TNX 10D	93.79	93.97	93.93	93.985	93.63	93.53	94.33	93.27	93.12	94.86
TNX 11D	93.77	93.57	93.87	93.63	93.43	93.27	94.53	93.21	93.27	95.49
TNX 12D	95.19	95.03	95.14	94.83	94.69	94.43	95.37	94.4	94.07	96.02
XSB 1D	99.28	98.93	99.54	99.66	99.44	99.07	99.28	98.82	98.69	99.14
XSB 2D	98.98	99.05	99.5	99.25	99.14	98.74	99.05	98.52	98.44	98.92
XSB 3A	99.25	99.35	99.75	99.66	99.42	99.08	99.33	98.79	98.73	98.83
XSB 4D	99.04	98.98	99.54	99.38	99.28	98.54	98.94	98.44	98.48	99.02
XSB 5A	97.62	98.06	98.16	97.96	97.68	97.34	97.68	97.52	97.17	na
YSB 1A	118.78	119.28	119.54	120.45	119.88	118.2	117.89	117.78	117.62	118.21
YSB 2A	118.94	119.38	120.45	121.02	120.4	119.82	119.36	119.25	118.68	118.85
YSB 3A	118.39	118.91	120.23	120.71	119.65	118.75	118.62	118.42	117.58	116.44
YSB 4A	117.47	118.02	118.47	119.19	118.85	117.87	117.79	117.64	116.76	117.36

na = Not available.

Note: Due to budgetary constraints, SRTC did not take depth-to-water measurements in 1995 and 1996.

Table B-9. Water Elevations for TNX-Area Wells from SRTC Measurements in 1997

	2/97	3/97	4/97	5/97	6/97	7/97	9/97	10/97	11/97	12/97
P 26D	115.52	114.53	114.71	114.28	113.88	113.75	113.21	112.94	113.09	114.78
TBG 1	99.95	99.84	98.76	98.25	98.17	97.74	96.99	97.34	97.97	99.15
TBG 3	102.07	102.42	101.76	101.27	100.98	100.81	101	100.68	101.22	102.08
TBG 4	102.25	102.59	102.01	101.57	101.27	101.13	100.92	100.85	101.32	102.14
TBG 5	101.84	102.26	101.48	101.02	100.78	100.57	99.84	99.89	100.31	101.32
TBG 6	101.84	102.35	101.61	100.99	100.47	100.16	100.28	100.37	100.87	101.79
TBG 7	103.27	103.92	103.37	102.82	102.56	102.42	101.65	101.69	102.24	103.17
TCM 2	na	94.54	93.47	93.12	92.83	92.82	92.02	92.44	92.84	93.53
TIR 1U	94.58	94.07	93.24	92.82	92.99	92.59	91.78	92.31	92.72	93.52
TNX 1D	99.26	99.51	98.79	98.14	97.86	97.7	96.95	97.43	98	98.81
TNX 2D	99.32	99.21	98.15	97.78	97.59	97.21	96.44	96.95	97.41	98.26
TNX 3D	99.29	98.94	97.67	97.16	97.26	96.78	95.77	96.15	96.68	97.84
TNX 4D	101.31	101.59	100.74	100.21	99.84	99.78	98.82	99.05	99.78	100.64
TNX 5D	102.7	103.25	102.53	102.12	101.71	101.62	100.81	100.71	101.43	102.32
TNX 6D	102.97	103.66	103.06	102.65	102.25	102.65	101.12	101.14	101.69	102.72
TNX 7D	100.92	101.28	100.54	100.07	99.61	99.41	98.8	99.31	99.67	100.57
TNX 8D	94.81	94.44	93.47	93.11	93.13	92.73	91.86	92.48	93.13	94.14
TNX 9D	94.64	94.22	93.34	92.93	92.93	92.62	91.87	92.33	92.93	93.87
TNX 10D	na	na	na	na	na	na	na	na	na	na
TNX 11D	94.72	93.94	92.87	92.49	94.77	92.45	91.52	91.95	92.21	92.98
TNX 12D	95.48	95.22	94.5	94.19	94.38	93.86	93.25	93.93	94.36	94.97
TNX 13D	na	na	na	na	89.52	89.35	88.71	89.12	89.45	90.22
TNX 14D	na	na	na	na	89.77	89.47	88.79	89.37	89.59	90.28
TNX 15D	na	na	87.88	87.49	87.72	87.28	86.75	87.08	87.43	88.14
TNX 16D	na	na	na	na	na	na	na	na	na	na
TNX 17D	na	na	na	na	90.77	90.11	89.54	90.46	90.64	91.55
TNX 18D	na	na	na	na	na	91.55	90.91	91.38	na	na
TNX 19D	na	na	na	na	na	89.51	88.75	89.17	89.63	90.44
TNX 20D	na	na	na	na	na	89.58	88.85	89.26	89.77	90.68
TNX 21D	na	na	na	na	na	91.78	90.89	91.37	92.09	92.85
TNX 23D	99.35	99.32	98.06	97.54	97.47	96.94	96.07	96.62	97.25	98.38
TNX 24D	na	na	108.76	108.68	108.52	108.69	108.15	108.17	108.68	109.16
TNX 26D	na	na	93.92	93.33	93.08	92.86	91.82	92.44	93.94	94.32
TNX 27D	na	na	95.91	95.22	95.59	94.95	94.06	94.44	95.96	96.65
TRW 1	na	92.38	90.32	90.28	89.97	na	na	na	na	90.08
TRW 2	na	91.81	na	na	na	na	na	na	na	na
TRW 3	98.95	84.09	97.54	na	na	na	na	na	na	na
TRW 4	99.58	94.67	98.62	90.48	89.06	86.71	88.95	88.02	na	na
XSB 1D	98.54	98.07	96.69	96.14	96.36	95.81	94.67	95.09	95.73	96.66
XSB 2D	98.34	98.04	96.64	96.09	96.05	95.65	94.62	95.04	96.85	96.75
XSB 3A	98.46	98.5	97.27	96.74	96.57	na	na	na	na	97.21
XSB 4D	98.36	98.3	97.01	96.44	96.35	95.95	94.96	95.34	96.88	97.03
XSB 5A	92.2	92.32	92.22	92.3	95.82	95.55	94.49	92.46	94.49	96.73
YSB 1A	116.71	117.82	117.82	117.47	117.12	117.24	116.67	116.57	117.08	117.72
YSB 2A	117.32	118.26	118.21	117.85	na	117.84	117.02	116.84	117.34	118.18
YSB 3A	116.81	117.96	117.72	117.32	117.15	117.6	116.31	116.31	117.36	118.12
YSB 4A	116.14	116.95	117.09	116.62	116.44	116.77	115.98	115.79	116.26	117.04

na = Not available.

Table B-10. Water Elevations for TVM Wells from SRTC Measurements

	TVM 1U	TVM 2U	TVM 3U	TVM 4U
1/24/96	106.04	106.03	106.13	105.92
2/1/96	106.08	105.63	105.89	105.48
2/8/96	106.23	106.02	106.08	105.92
2/13/96	106.06	105.63	105.87	105.44
2/22/96	106.17	105.87	105.96	105.66
2/28/96	106.11	105.87	105.97	105.66
3/7/96	106.23	106.19	106.25	105.82
3/12/96	106.22	106.32	106.48	105.96
3/20/96	106.2	106.17	106.46	105.77
3/27/96	106.16	105.97	106.29	105.71
4/2/96	106.24	105.89	106.14	105.79
4/11/96	106.17	106.39	106.09	105.74
4/18/96	106.3	105.97	106.13	105.86
4/24/96	106.28	105.99	106.2	105.91
4/30/96	106.27	106.05	106.25	105.94
5/8/96	106.29	105.97	106.13	105.82
5/14/96	106.24	105.92	106.19	105.83
5/22/96	106.3	105.99	106	105.86
5/29/96	106.2	105.89	106.18	105.71
6/5/96	106.01	105.69	105.99	105.51
6/12/96	105.94	105.63	105.93	105.46
6/20/96	105.93	105.57	105.83	105.41
6/26/96	105.86	105.43	105.77	105.19
7/12/96	105.76	105.4	105.69	105.17
7/18/96	105.57	105.16	105.59	104.91
7/24/96	105.48	104.98	105.45	104.78
7/30/96	105.41	104.96	105.44	104.76
8/8/96	105.36	104.98	105.38	104.78
8/14/96	105.39	104.92	105.4	104.72
8/29/96	105.35	104.88	105.4	104.66
9/3/96	105.43	105.55	106.17	104.82
9/4/96	105.48	105.75	106.48	104.92
9/5/96	105.53	105.92	106.63	105.12
9/6/96	105.54	105.95	106.76	105.11
9/9/96	105.64	106.19	107.15	105.14
9/10/96	105.69	106.18	107	105.42
9/13/96	105.76	106.06	106.93	105.57
9/16/96	105.71	105.82	106.69	105.44
9/17/96	105.64	105.76	106.63	105.41
9/18/96	105.59	105.49	106.43	105.17
9/19/96	105.54	105.52	106.43	105.17
9/20/96	105.48	105.47	106.35	105.07
9/23/96	105.45	105.52	106.44	104.96
9/24/96	105.46	105.62	106.5	105.06
9/25/96	105.45	105.64	106.57	105.09
9/26/96	105.44	105.65	106.63	104.98
9/27/96	105.56	105.82	106.81	105.15
9/30/96	105.57	105.99	107.06	105.21
10/1/96	105.61	106.08	107.1	105.34
10/2/96	105.67	106.12	107.1	105.43
10/3/96	105.63	106.14	107.1	105.44
10/7/96	105.73	106.39	107.14	105.59
10/10/96	105.55	105.8	106.84	105.26
10/14/96	105.57	105.94	106.9	105.44
10/17/96	105.56	105.89	106.87	105.41
10/21/96	105.45	105.75	106.77	105.15
10/24/96	105.46	105.67	106.72	105.12

Table C-12. Water Elevations for TVM-Area Wells from SRTC Measurements (cont.)

	TVM 1U	TVM 2U	TVM 3U	TVM 4U
10/27/96	105.36	105.54	106.6	105.01

Appendix C

Data Quality/Usability Assessment

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Data Quality/Usability Assessment

Quality assurance/quality control (QA/QC) procedures relating to accuracy and precision of analyses performed on groundwater samples are followed in the field and laboratory, and QC data are reviewed prior to publication of results. The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific QC information either at the same time as analytical results or in quarterly summaries.

The review by the Environmental Protection Department/ Environmental Monitoring Section (EPD/EMS) of the volume of analytical data acquired each quarter and presented in various reports is an ongoing process; EPD/EMS' review of the QC data cannot be completed in time to meet the deadlines for the groundwater monitoring reports required by the Resource Conservation and Recovery Act and associated regulations. The *Quality Control Samples* section of EMS' quarterly groundwater monitoring report contains detailed evaluation of the following indicators of data quality: precision, accuracy, representativeness, comparability, and completeness. Site and regulatory personnel can obtain further information on the data quality and usability in a variety of ways, including those described below.

Data Qualification

Properly defined and used modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Modifiers designed by EPA or EPD/EMS and used by the primary laboratories or EMS' data validators are presented in Appendix B.

Assessment of Accuracy of the Data

Accuracy, or the nearness of the reported result to the true concentration of a constituent in a sample, can be assessed in several ways.

A laboratory's general accuracy can be judged by evaluation of results obtained from known samples. The contract laboratories analyze commercial reference samples periodically at EPD/EMS' request. The results of these analyses are presented in the EPD/EMS groundwater monitoring quarterly reports. The primary laboratories also seek or maintain state certification by participating periodically in performance studies. Reference samples and evaluation of results are provided by EPA. Results of these studies also are published in the EPD/EMS quarterly reports.

Analysis of blanks provides a tool for assessing the accuracy of both sampling and laboratory analysis. Results for all field blanks for the quarter can be found in the EPD/EMS quarterly reports. Any field or laboratory blanks that exceed established minimums are identified in the same reports. In these regulatory reports, the modifier *V* is assigned to every detected result that is run in the same batch as a laboratory blank with positive results for that analyte. A *U* qualifier (reported as *less than* [<]) also is added if the analyte concentration is less than five times the concentration in the blank (or, for common laboratory contaminants, less than ten times).

Surrogates, organic compounds similar in chemical behavior to the compounds of interest but not normally found in environmental samples, are used to monitor the effect of the matrix on the accuracy of analyses for organic parameters. For example, for analyses of volatile organics by EPA Method 8240, three surrogate compounds are added to all samples and blanks in each analytical batch. In analyses of semivolatile organics by EPA Method 8270, three surrogates are required and an additional compound is advised for each fraction (acids and base/neutrals). Two surrogates are used in organochlorine pesticides analyses. Percent recoveries for surrogate analyses are calculated by laboratory personnel, reported to EPD/EMS, reviewed, and entered into the database. Statistical summaries are published in the *Quality Control Samples* section of the EPD/EMS quarterly groundwater monitoring report. If recoveries are not within specified limits, the laboratory is expected to reanalyze the samples or attach qualifiers to the data identifying the anomalous results.

Sample-specific accuracy for both organic and inorganic parameters can be assessed by examination of matrix spike/matrix spike duplicate results. A portion of the sample is analyzed unspiked to determine a baseline set of values. A second portion of the sample is spiked with known concentrations of compounds appropriate to the analyses being performed, typically five volatile organic compounds for volatile organics analyses, eleven semivolatile compounds for semivolatiles, six pesticide compounds for pesticides, all metals for metals analyses by SW-846 methods (EPA, 1986), and a known quantity of cyanide for cyanide analysis. The percentage of the spike compound that is recovered (i.e., measured in excess of the value obtained for the unspiked sample) is a direct measure of analytical accuracy. EPA requires matrix spike/matrix spike duplicates to be run at least once per 20 samples of similar matrix.

Matrix spike/matrix spike duplicate results are reported to EPD/EMS. The results and a statistical summary are published in the *Quality Control Samples* section of the EPD/EMS quarterly groundwater monitoring report. For organic compounds, according to EPA guidelines, no action is taken on the basis of matrix spike/matrix spike duplicate data alone (i.e., no result modifiers are assigned solely on the basis of matrix spike results); however, the results can indicate if a laboratory is having a systematic problem in the analysis of one or more analytes.

In the case of inorganic compounds, such as metals, the matrix spike sample analysis provides information about the effect of each sample matrix on the digestion and measurement methodology. Data qualifiers assigned by the laboratories on the basis of the percentage of spike recovery are reported in the EPD/EMS quarterly report results tables.

Assessment of Precision

Precision of the analyses, or agreement of a set of replicate results among themselves, is assessed through the use of duplicates initiated by the laboratory and blind replicates provided by EPD/EMS. The GIMS database and the EPD/EMS quarterly reports contain all results. In this report, results tables present only the highest result for each analyte for each quarter of the year.

The laboratories assess precision by calculating the relative percent difference (RPD) for each pair of laboratory-initiated duplicate results. The EMS data validators apply a data qualifier to the results of entire preparation batches of metals analyses when the RPD for laboratory duplicates is greater than 20 percent and either the difference between the two samples is greater than the contract-required detection limit (CRDL) or both sample results are greater than 5 times the CRDL. This qualifier is published in the EPD/EMS quarterly reports.

Additional statistical comparisons of laboratory duplicate and blind replicate results, both intra- and interlaboratory, are presented in the EPD/EMS quarterly reports. The calculation used for these reports is the mean relative difference (MRD), which is similar to EPA's RPD except that the MRD is the average of all the RPD values from one laboratory for each compound (intralaboratory MRD) or all the RPD values from all laboratories for each compound (interlaboratory MRD) during one quarter. Because detection limits may vary among samples, the MRD requires calculation of a reference detection limit, which is the detection limit at the 90th percentile of the array of limits in the population of all duplicate and replicate analyses for a given analyte during a particular quarter. The MRD is not method-specific.

Method-Specific Accuracy and Precision

The contract laboratories' EPA-approved laboratory procedures include QA/QC requirements as an integral part of the methods. Thus, knowledge of the method used in obtaining data is an important component of determining data usability. EPA has conducted extensive research and development on the methods approved for the analysis of water and wastewater. Information on the accuracy and precision of a method is available from EPA publications, as is full information on required QA/QC procedures. A listing of the methods used by the primary laboratories during fourth quarter 1995 is given below, along with the source for the method description. Many, if not all, of these sources include presentations of representative accuracy and precision results. The EPD/EMS quarterly reports provide the methods used by the laboratories each quarter.

Table C-1. Methods Used by the Contract Laboratories

Method	Used to Analyze	Source
EICHROMTC1MOD[a]	Technetium isotopes	EiChrom Industries, Inc.; NA[b]
EMLAM01MOD	Americium, curium isotopes	DOE, 1992
EMLPU02MOD	Neptunium, plutonium isotopes	DOE, 1992
EMLSR02MOD	Strontium isotopes	DOE, 1992
EMLTH01MOD	Thorium isotopes	DOE, 1992
EMLU02MOD	Uranium isotopes	DOE, 1992
ENICMOD	Carbon-14	NA
EPA120.1	Specific conductance	EPA EMSL, 1983
EPA150.1	pH	EPA EMSL, 1983
EPA160.1	Total dissolved solids	EPA EMSL, 1983
EPA160.2	Total dissolved solids, total suspended solids	EPA EMSL, 1983
EPA180.1	Turbidity	EPA EMSL, 1983
EPA200.7	Metals	EPA EMSL, 1983
EPA245.1	Mercury	EPA EMSL, 1983
EPA300.0	Chloride, nitrite, sulfate, fluoride	EPA EMSL, 1983
EPA310.1	Alkalinity (as $CaCO_3$)	EPA EMSL, 1983
EPA335.2	Cyanide	EPA EMSL, 1983
EPA335.3	Cyanide	EPA EMSL, 1983
EPA340.2	Fluoride	EPA EMSL, 1983
EPA350.1	Ammonia nitrogen	EPA EMSL, 1983
EPA350.3	Ammonia	EPA EMSL, 1983
EPA353.1	Nitrogen, nitrate-nitrite	EPA EMSL, 1983
EPA353.2	Nitrogen, nitrate, nitrite, or combined	EPA EMSL, 1983
EPA365.2	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA365.3	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA365.4	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA405.1	Five-day biochemical oxygen demand	EPA EMSL, 1983
EPA405.1/SM	Five-day biochemical oxygen demand	EPA EMSL, 1983
EPA410.4	Chemical oxygen demand	EPA EMSL, 1983
EPA415.1	Dissolved organic carbon, total inorganic carbon, total organic carbon	EPA EMSL, 1983
EPA418.1	Total petroleum hydrocarbons	EPA EMSL, 1983
EPA420.2	Phenols	EPA EMSL, 1983
EPA450.1	Total organic halogens	NA
EPA900.0MOD	Gross alpha, nonvolatile beta	EPA EMSL, 1980
EPA901.1MOD	Gamma PHA, iodine isotopes	EPA EMSL, 1980
EPA903.0MOD	Total alpha-emitting radium, radium isotopes	EPA EMSL, 1980
EPA904.0MOD	Radium isotopes	EPA EMSL, 1980
EPA906.0MOD	Tritium	EPA EMSL, 1980
EPA6010	Metals	EPA, 1986
EPA6010A	Metals	EPA, 1992
EPA7470	Mercury	EPA, 1986
EPA8080	Organochlorine pesticides and PCBs	EPA, 1986
EPA8150	Chlorinated herbicides	EPA, 1986
EPA8240	GCMS volatiles	EPA, 1986
EPA8260	GCMS volatiles	EPA, 1986
EPA8270	GCMS semivolatiles	EPA, 1986
EPA8280	Dioxins and furans	EPA, 1986
EPA9020A	Total organic halogens	EPA, 1986
EPA9020B	Total organic halogens	EPA, 1994b
EPA9060	Total inorganic carbon	EPA, 1986
EPIA-001[c]	Gross alpha, nonvolatile beta	EP, 1996
EPIA-002[c]	Tritium	EP, 1996
EPIA-003[c]	Carbon-14	EP, 1996

Table C-1. Methods Used by the Contract Laboratories, cont.

Method	Used to Analyze	Source
EPIA-004[c]	Strontium-90	EP, 1996
EPIA-005[c]	Technetium-99	EP, 1996
EPIA-006[c]	Iodine-129	EP, 1996
EPIA-008[c]	Radium-226	EP, 1996
EPIA-009[c]	Radium-228	EP, 1996
EPIA-010[c]	Radium, total alpha-emitting	EP, 1996
EPIA-011[c]	Americium, curium, uranium isotopes	EP, 1996
EPIA-012[c]	Neptunium, plutonium, thorium isotopes	EP, 1996
EPIA-013[c]	Gamma PHA	EP, 1996
EPIA-022[c]	Nickel isotopes	EP, 1996
MMES16009MOD	Technetium-99	NA
3Q1-6-1420	Total activity, tritium	NA

[a] MOD indicates modifications of applicable EPA, DOE, or other procedures.

[b] NA = not available. Sources for some proprietary methods are not available.

[c] The methods and detection limits used by GP are in-house methods based on applicable EPA, DOE, or other procedures. Complete method descriptions are available from GP.

Note: One of the labs reports the method for some metals determinations as CLP or CLP-MOD. This is presumed equivalent to Method 6010 or 6010A.

An example of method-specific QC information is that for EPA Method 8270 (EPA, 1986), which is used by both GE and Weston for analyses of semivolatile organics. The following table gives method-specific accuracy and precision as functions of concentration. Contract laboratories are expected to achieve or at least approach these limits.

Table C-2. Method Accuracy and Precision as Functions of Concentration for EPA Method 8270

Parameter	Accuracy, as recovery, x' (µg/L)	Single analyst precision, s_r' (µg/L)	Overall precision, S' (µg/L)
Acenaphthene	0.96C+0.19	0.15*X*–0.12	0.21*X*–0.67
Acenaphthylene	0.89C+0.74	0.24*X*–1.06	0.26*X*–0.54
Aldrin	0.78C+1.66	0.27*X*–1.28	0.43*X*+1.13
Anthracene	0.80C+0.68	0.21*X*–0.32	0.27*X*–0.64
Benzo[*a*]anthracene	0.88C–0.60	0.15*X*+0.93	0.26*X*–0.21
Benzo[*b*]fluoranthene	0.93C–1.80	0.22*X*+0.43	0.29*X*+0.96
Benzo[*k*]fluoranthene	0.87C–1.56	0.19*X*+1.03	0.35*X*+0.40
Benzo[*g,h,i*]perylene	0.98C–0.86	0.29*X*+2.40	0.51*X*–0.44
Benzo[*a*]pyrene	0.90C–0.13	0.22*X*+0.48	0.32*X*+1.35
β-BHC	0.87C–0.94	0.20*X*–0.58	0.30*X*+1.94
δ-BHC	0.29C–1.09	0.34*X*+0.86	0.93*X*+0.17
Bis(2-chloroethoxy) methane	1.12C–5.04	0.16*X*+1.34	0.26*X*+2.01
Bis(2-chloroethyl) ether	0.86C–1.54	0.35*X*–0.99	0.35*X*+0.10
Bis(2-chloroisopropyl) ether	1.03C–2.31	0.24*X*+0.28	0.25*X*+1.04
Bis(2-ethylhexyl) phthalate	0.84C–1.18	0.26*X*+0.73	0.36*X*+0.67
4-Bromophenyl phenyl ether	0.91C–1.34	0.13*X*+0.66	0.16*X*+0.66
Butylbenzyl phthalate	0.66C–1.68	0.18*X*+0.94	0.53*X*+0.92
4-Chloro-m-cresol	0.84C+0.35	0.23*X*+0.75	0.29*X*+1.31
Chloroethane	0.99C–1.53	0.14*X*–0.13	0.17*X*–0.28
2-Chloronaphthalene	0.89C+0.01	0.07*X*+0.52	0.13*X*+0.34
2-Chlorophenol	0.78C+0.29	0.18*X*+1.46	0.28*X*+0.97
4-Chlorophenyl phenyl ether	0.91C+0.53	0.20*X*–0.94	0.30*X*–0.46
Chrysene	0.93C–1.00	0.28*X*+0.13	0.33*X*–0.09
p,p′-DDD	0.56C–0.40	0.29*X*–0.32	0.66*X*–0.96
p,p′-DDE	0.70C–0.54	0.26*X*–1.17	0.39*X*–1.04

Table C-2. Method Accuracy and Precision as Functions of Concentration for EPA Method 827, cont.

Parameter	Accuracy, as recovery, x' (µg/L)	Single analyst precision, s_r' (µg/L)	Overall precision, S' (µg/L)
p,p'-DDT	0.79C–3.28	0.42X+0.19	0.65X–0.58
Dibenz[*a,h*]anthracene	0.88C+4.72	0.30X+8.51	0.59X+0.25
Di-n-butyl phthalate	0.59C+0.71	0.13X+1.16	0.39X+0.60
1,2-Dichlorobenzene	0.80C+0.28	0.20X+0.47	0.24X+0.39
1,3-Dichlorobenzene	0.86C–0.70	0.25X+0.68	0.41X+0.11
1,4-Dichlorobenzene	0.73C–1.47	0.24X+0.23	0.29X+0.36
3,3'-Dichlorobenzidine	1.23C–12.65	0.28X+7.33	0.47X+3.45
2,4-Dichlorophenol	0.87C–0.13	0.15X+1.25	0.21X+1.28
Dieldrin	0.82C–0.16	0.20X–0.16	0.26X–0.07
Diethyl phthalate	0.43C+1.00	0.28X+1.44	0.52X+0.22
2,4-Dimethyl phenol	0.71C+4.41	0.16X+1.21	0.22X+1.31
Dimethyl phthalate	0.20C+1.03	0.54X+0.19	1.05X–0.92
2,4-Dinitrophenol	0.81C–18.04	0.38X+2.36	0.42X+26.29
2,4-Dinitrotoluene	0.92C–4.81	0.12X+1.06	0.21X+1.50
2,6-Dinitrotoluene	1.06C–3.60	0.14X+1.26	0.19X+0.35
Di-n-octyl phthalate	0.76C–0.79	0.21X+1.19	0.37X+1.19
Endosulfan sulfate	0.39C+0.41	0.12X+2.47	0.63X–1.03
Endrin aldehyde	0.76C–3.86	0.18X+3.91	0.73X–0.62
Fluoranthene	0.81C+1.10	0.22X–0.73	0.28X–0.60
Fluorene	0.90C–0.00	0.12X+0.26	0.13X+0.61
Heptachlor	0.87C–2.97	0.24X–0.56	0.50X–0.23
Heptachlor epoxide	0.92C–1.87	0.33X–0.46	0.28X+0.64
Hexachlorobenzene	0.74C+0.66	0.18X–0.10	0.43X–0.52
Hexachlorobutadiene	0.71C–1.01	0.19X+0.92	0.26X+0.49
Hexachloroethane	0.73C–0.83	0.17X+0.67	0.17X+0.80
Indeno[1,2,3-*c,d*]pyrene	0.78C–3.10	0.29X+1.46	0.50X–0.44
Isophorone	1.12C+1.41	0.27X+0.77	0.33X+0.26
2-Methyl-4,6-dinitrophenol	1.04C–28.04	0.10X+42.29	0.26X+23.10
Naphthalene	0.76C+1.58	0.21X–0.41	0.30X–0.68
Nitrobenzene	1.09C–3.05	0.19X+0.92	0.27X+0.21
2-Nitrophenol	0.07C–1.15	0.16X+1.94	0.27X+2.60
4-Nitrophenol	0.61C–1.22	0.38X+2.57	0.44X+3.24
N-Nitrosodi-n-propylamine	1.12C–6.22	0.27X+0.68	0.44X+0.47
PCB 1260	0.81C–10.86	0.35X+3.61	0.43X+1.82
Pentachlorophenol	0.93C+1.99	0.24X+3.03	0.30X+4.33
Phenanthrene	0.87C+0.06	0.12X+0.57	0.15X+0.25
Phenol	0.43C+1.26	0.26X+0.73	0.35X+0.58
Pyrene	0.84C–0.16	0.16X+0.06	0.15X+0.31
1,2,4-Trichlorobenzene	0.94C–0.79	0.15X+0.85	0.21X+0.39
2,4,6-Trichlorophenol	0.91C–0.18	0.16X+2.22	0.22X+1.81

x' = Expected recovery for one or more measurements of a sample containing a concentration of C, in µg/L.

s_r' = Expected single analyst standard deviation of measurements at an average concentration of X, in µg/L.

S' = Expected interlaboratory standard deviation of measurements at an average concentration of X, in µg/L.

C = True value for the concentration, in µg/L.

X = Average recovery found for measurements of samples containing a concentration of C, in µg/L.

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Appendix D

Hydrographs

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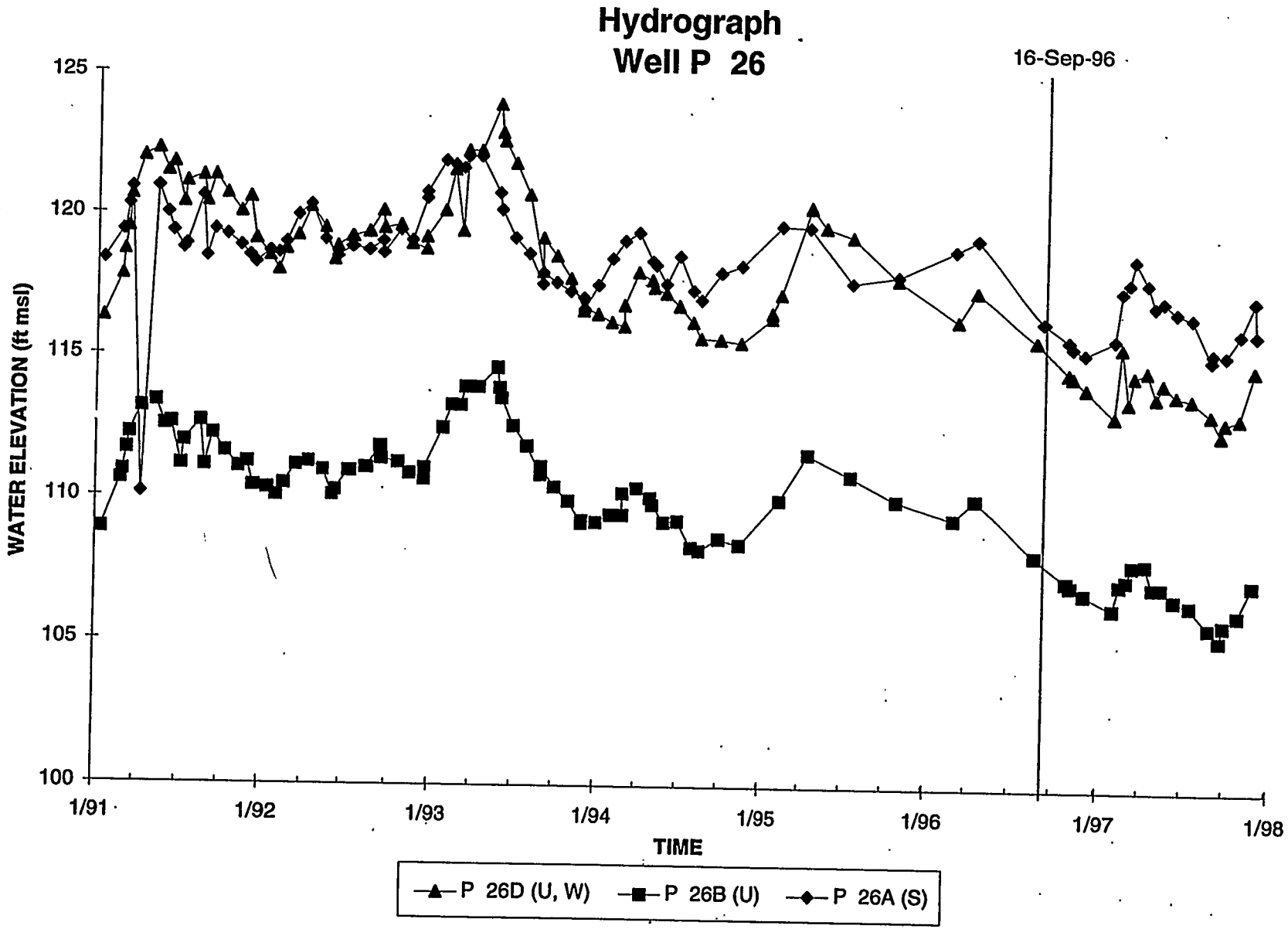
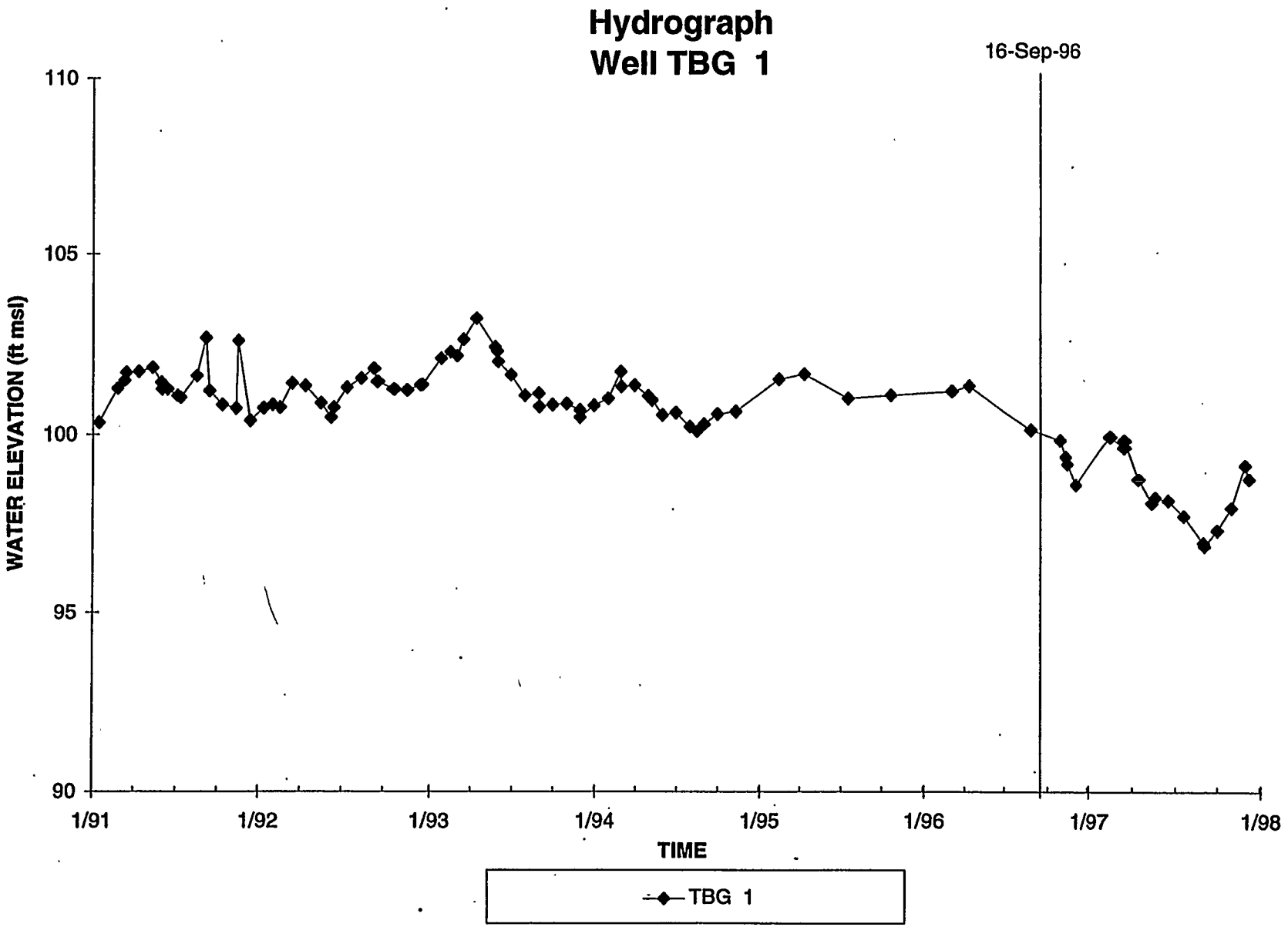
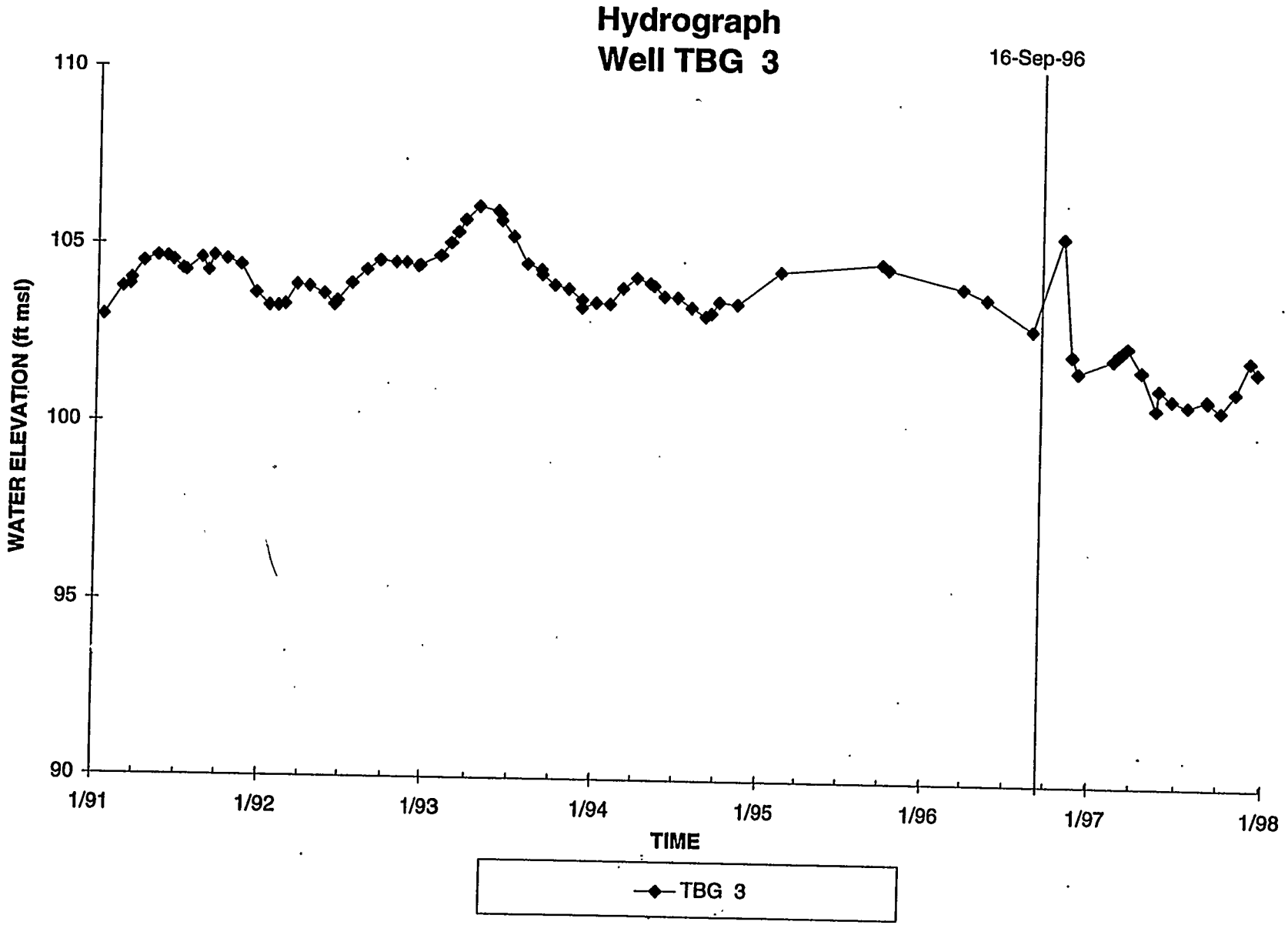


Note: W=Water Table; U=Unconfined Aquifer Zone; S=Semi-Confined Aquifer Zone


Hydrograph
Well TBG 1
16-Sep-96
110
105
100
95
90
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TBG 1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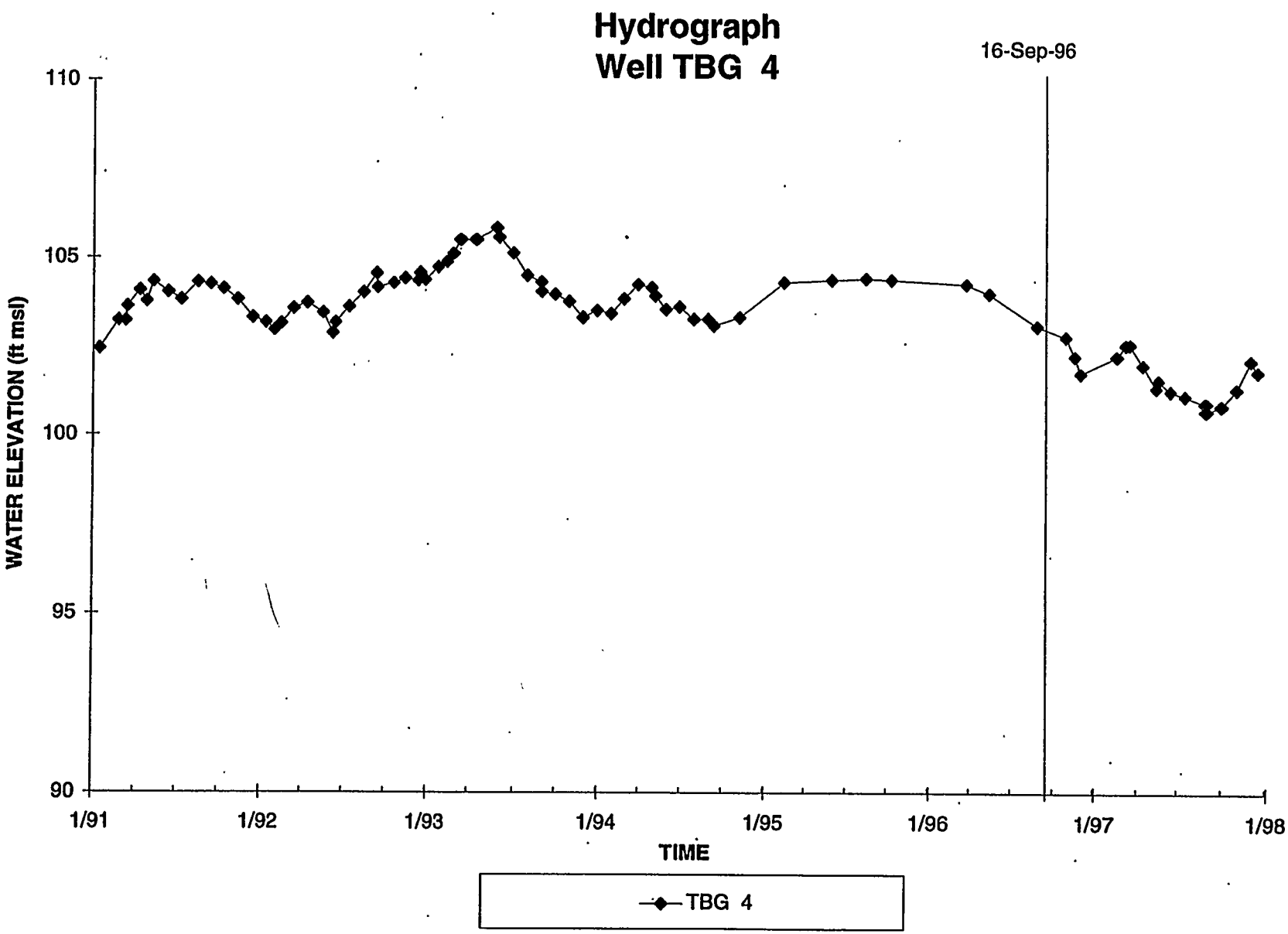
Well TBG 3
16-Sep-96
110
105
100
95
90
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TBG 3


Hydrograph
Well TBG 4
16-Sep-96
110
105
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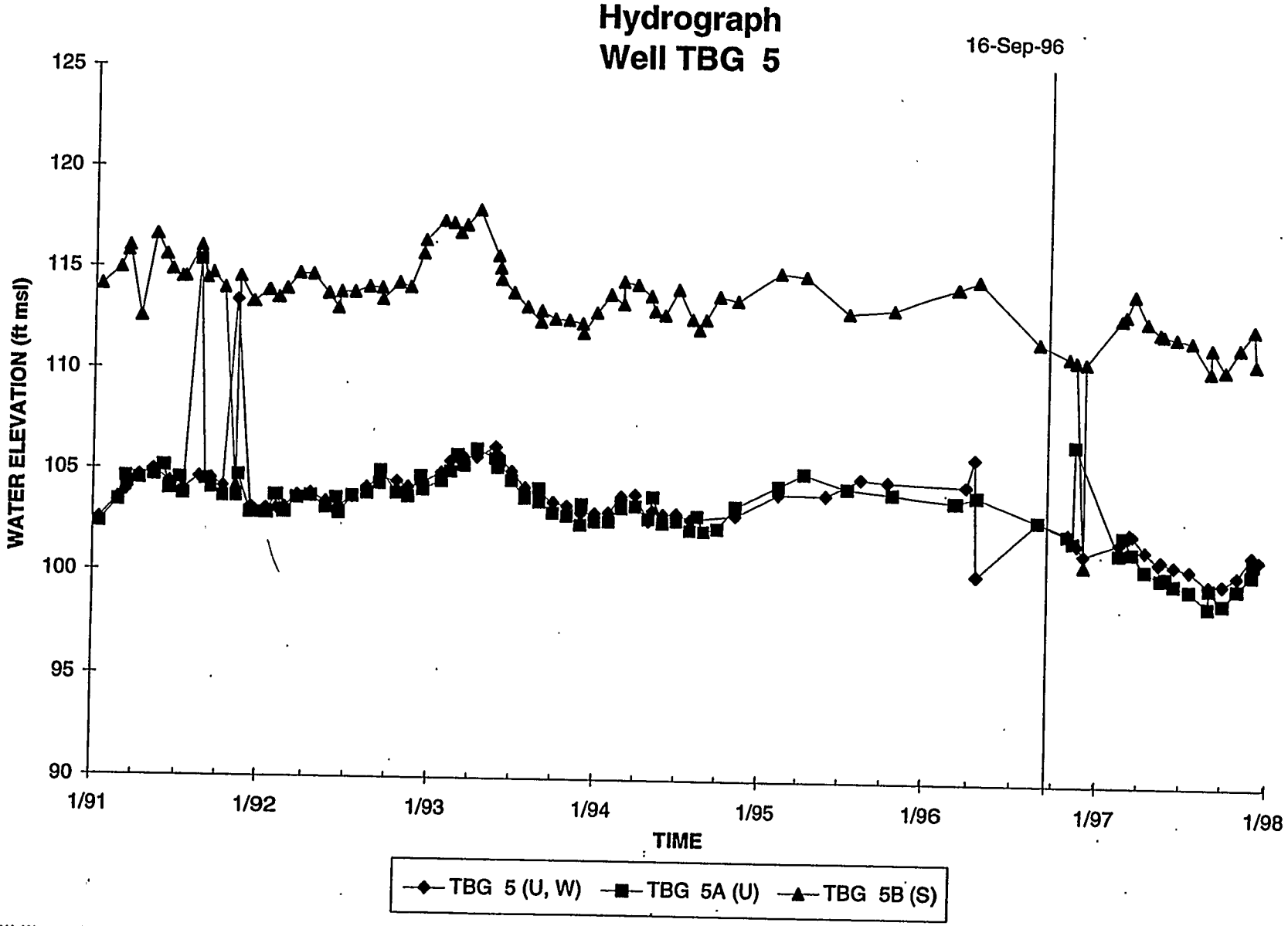
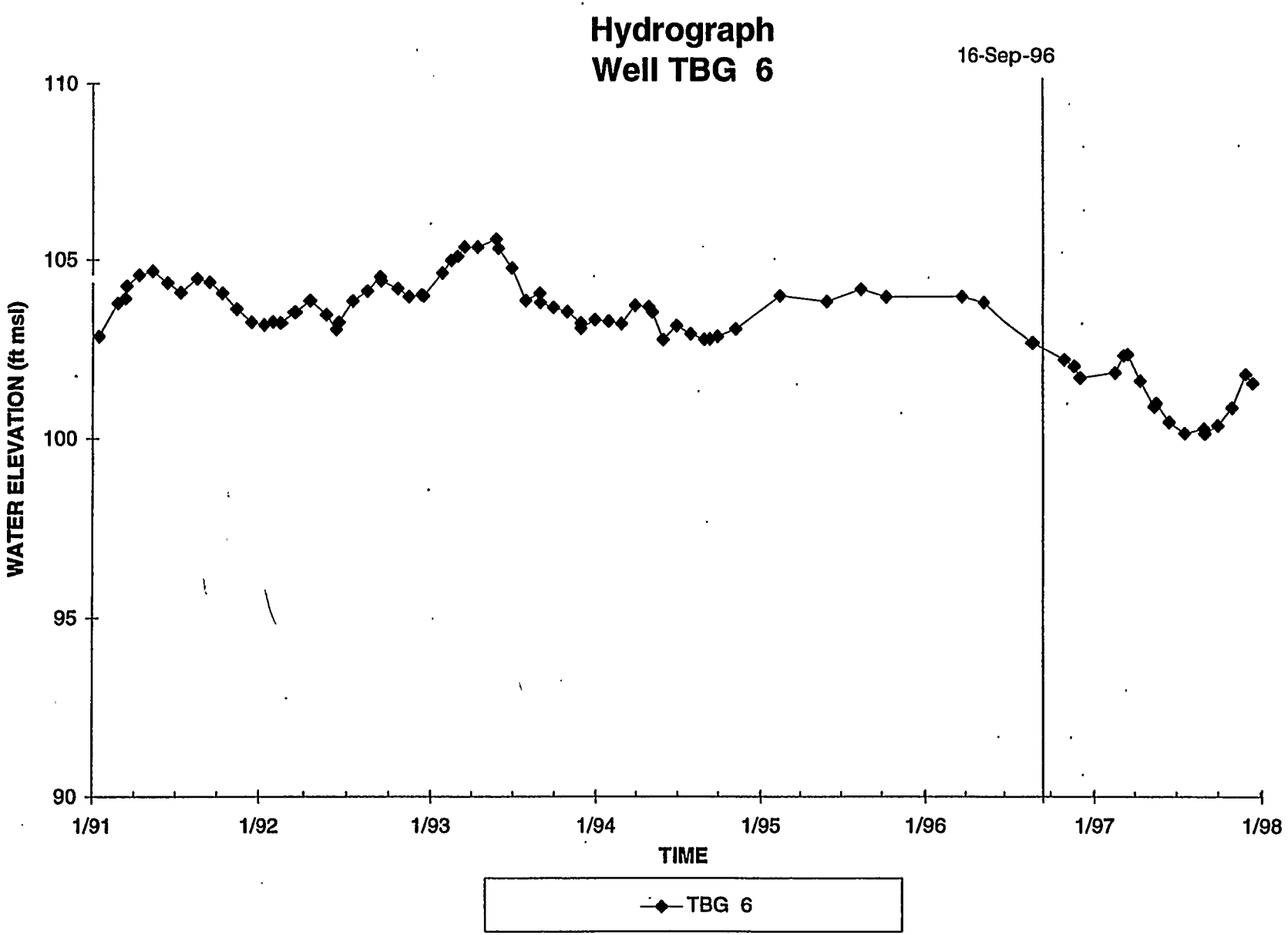
90
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TBG 4



Note: W=Water Table; U=Unconfined Aquifer Zone; S=Semi-Confined Aquifer Zone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Well TBG 6
16-Sep-96
110
105
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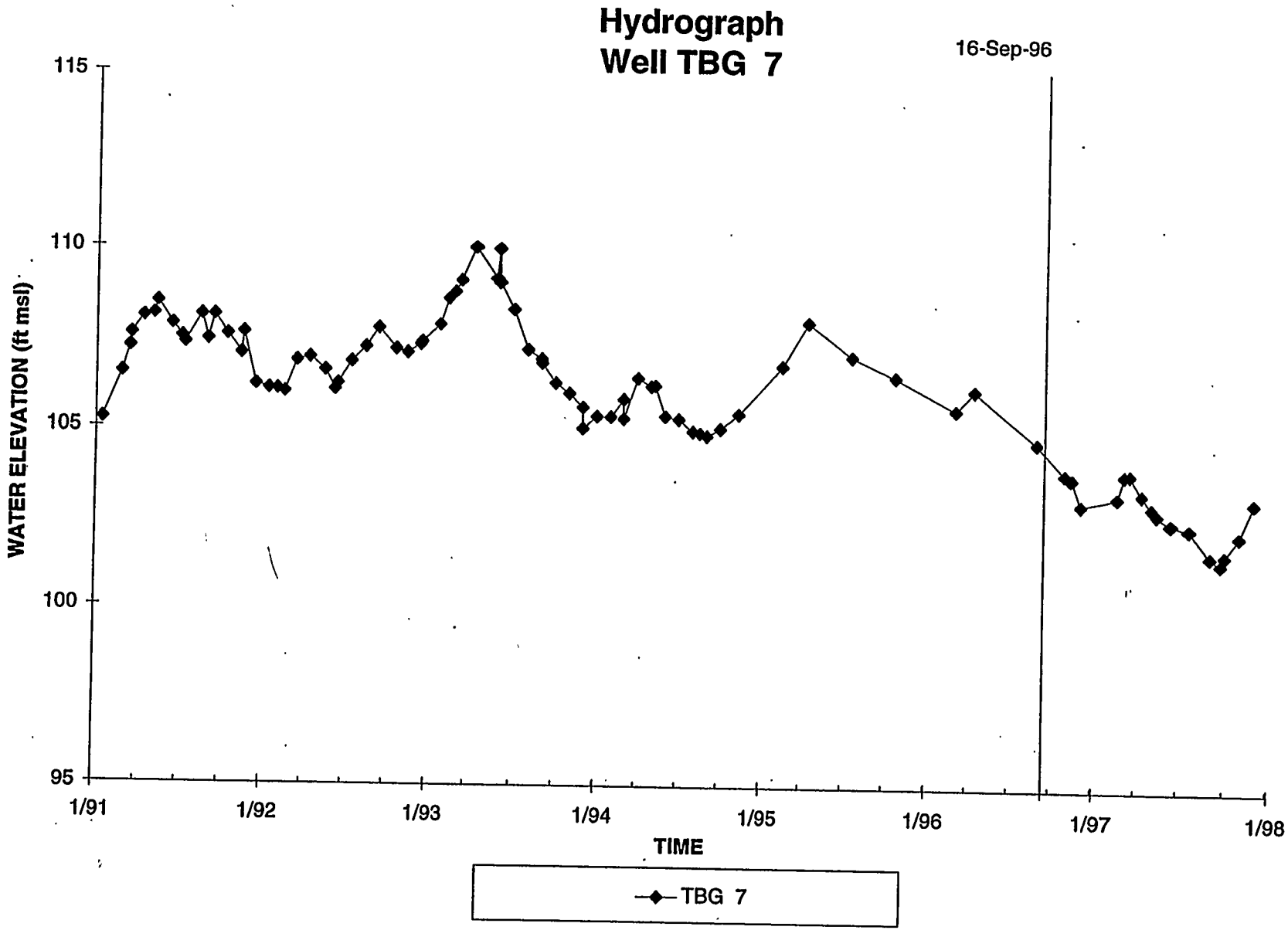
90
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TBG 6


Hydrograph
Well TBG 7
16-Sep-96
115
110
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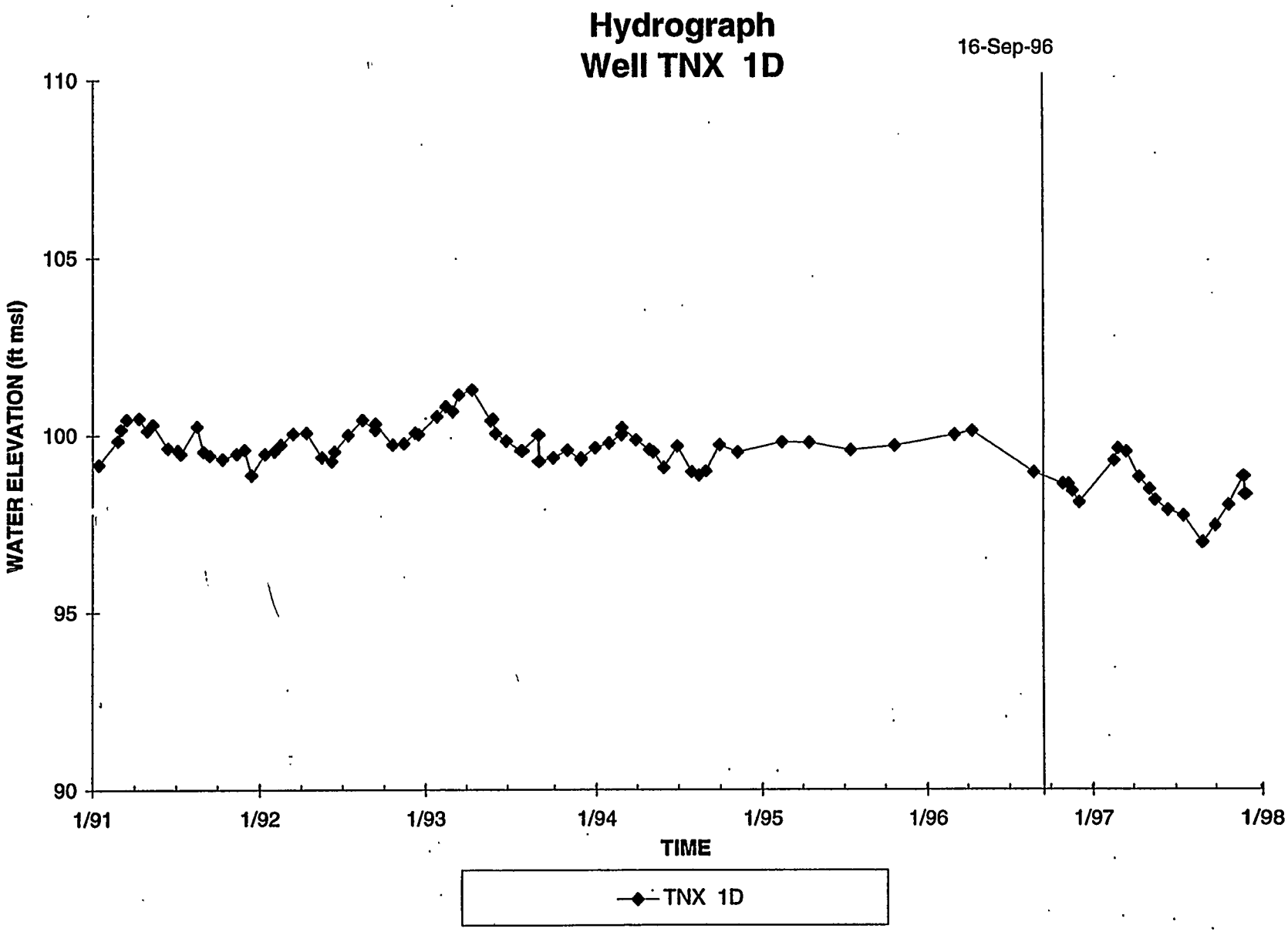
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TBG 7


Hydrograph
Well TNX 1D
16-Sep-96
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WATER ELEVATION (ft msl)
1/91
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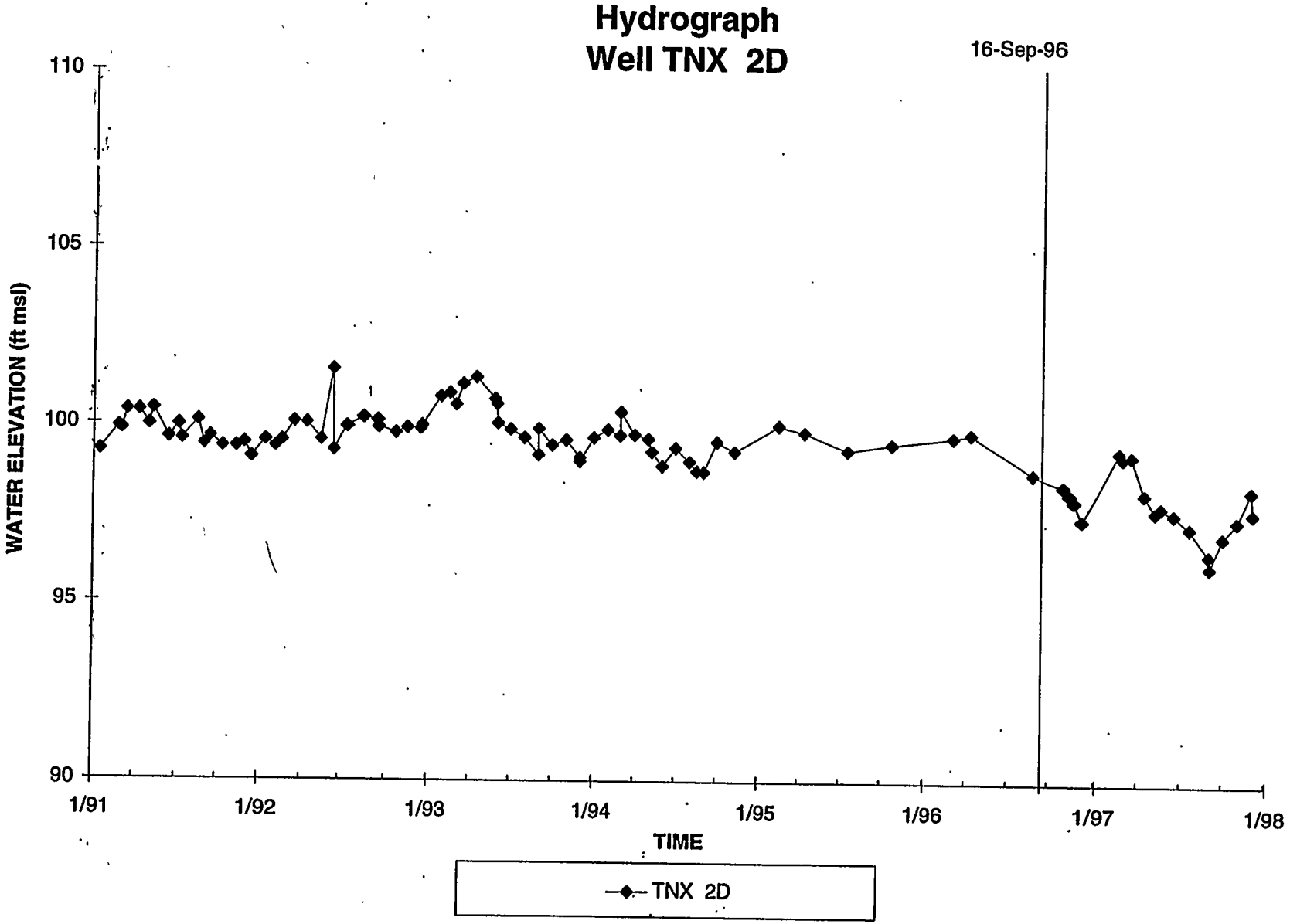
TIME
TNX 1D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16-Sep-96
110
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WATER ELEVATION (ft msl)
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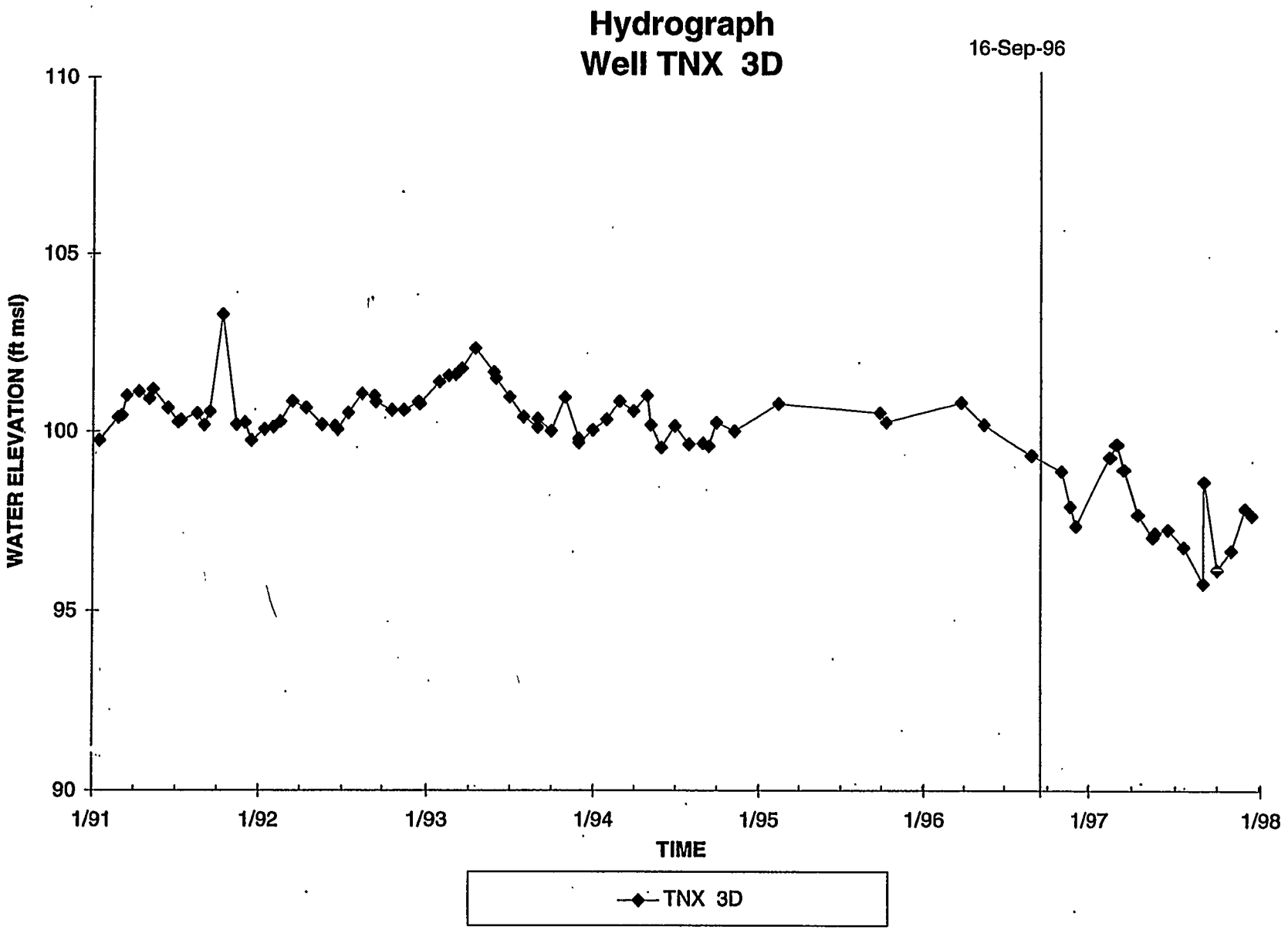
1/96
1/97
1/98
TIME
TNX 2D


Hydrograph
Well TNX 3D
16-Sep-96
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WATER ELEVATION (ft msl)
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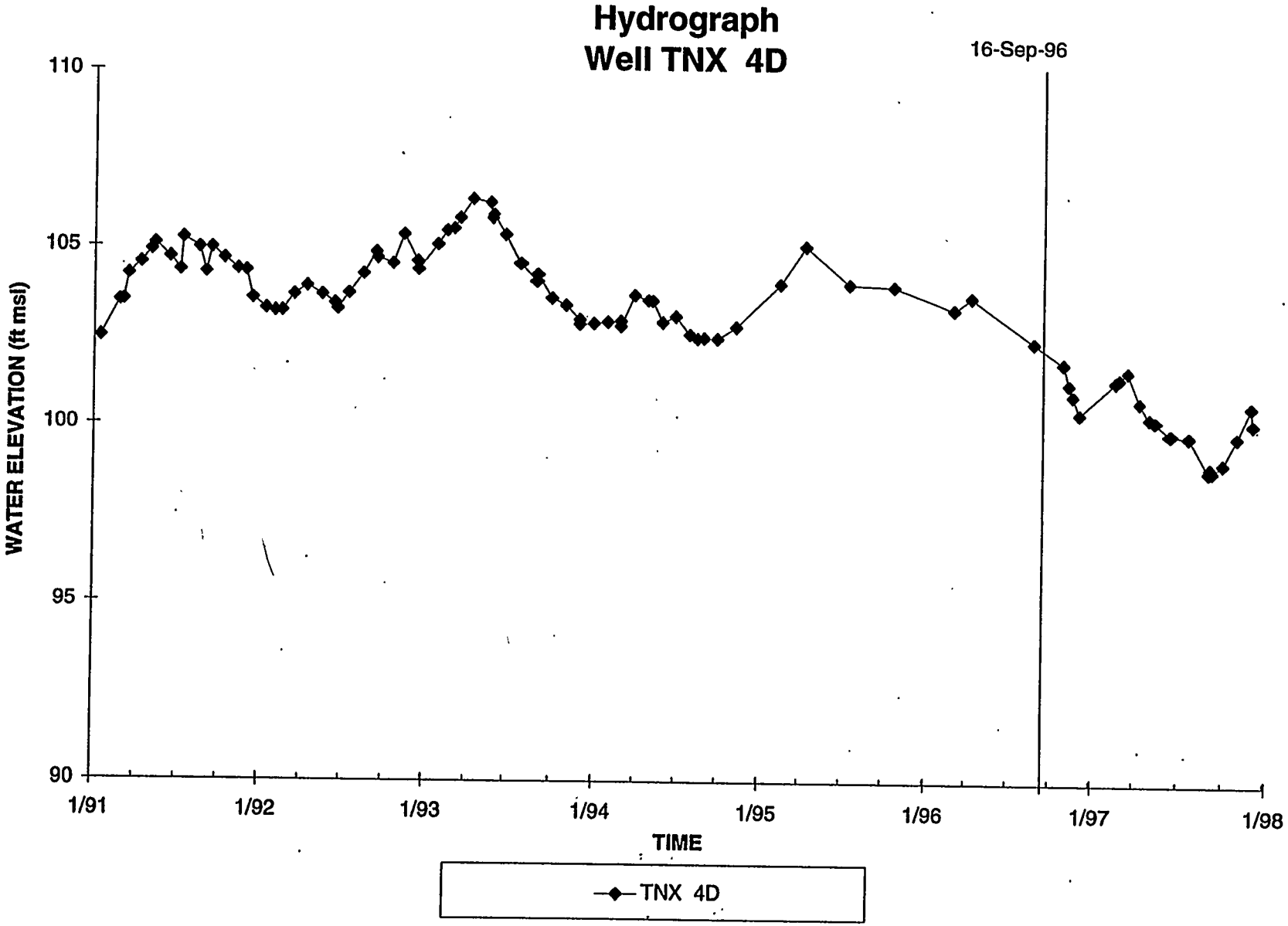
TIME
TNX 3D


Hydrograph
Well TNX 4D
16-Sep-96
110
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WATER ELEVATION (ft msl)
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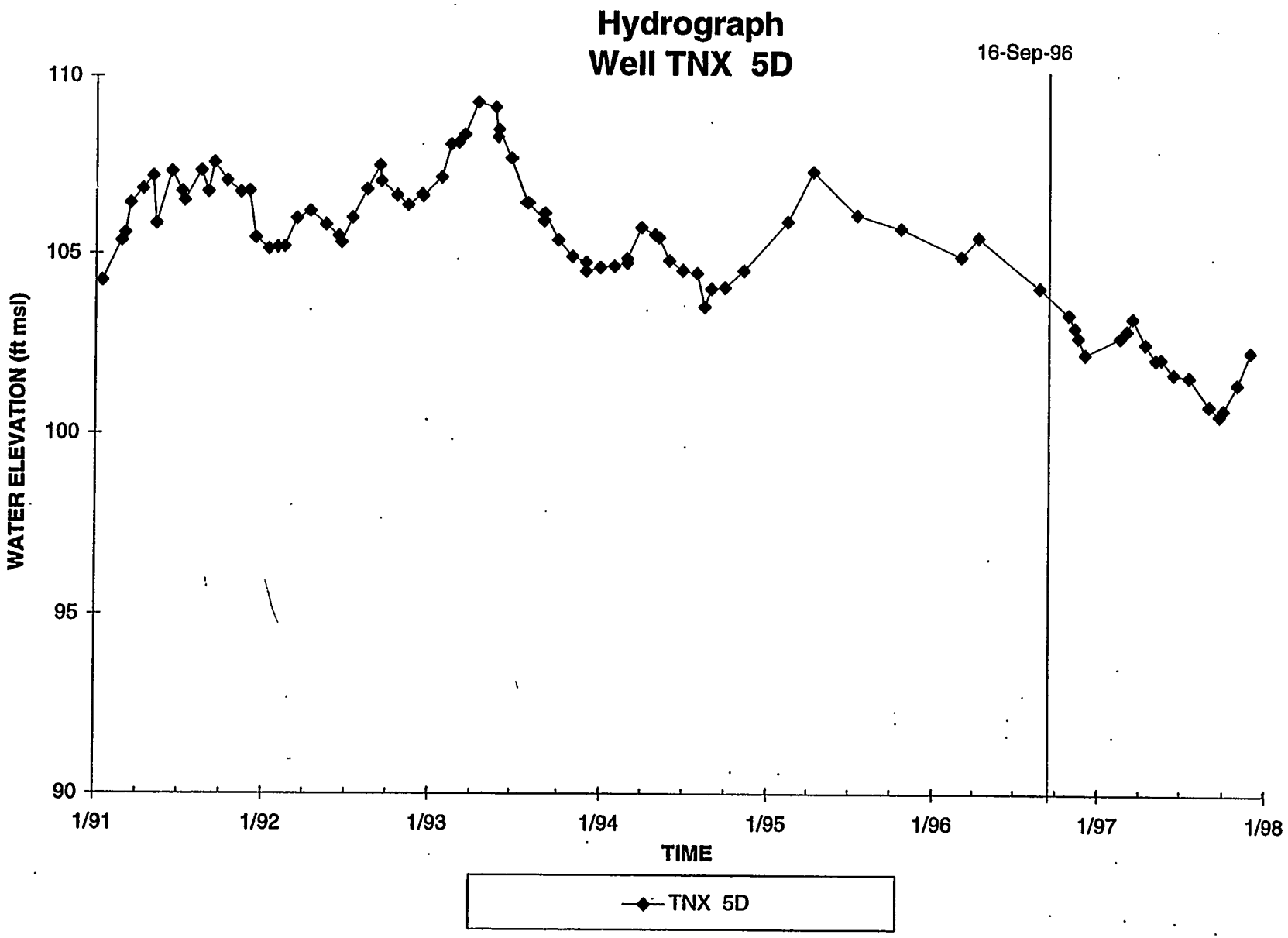
1/98
TIME
TNX 4D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1/92
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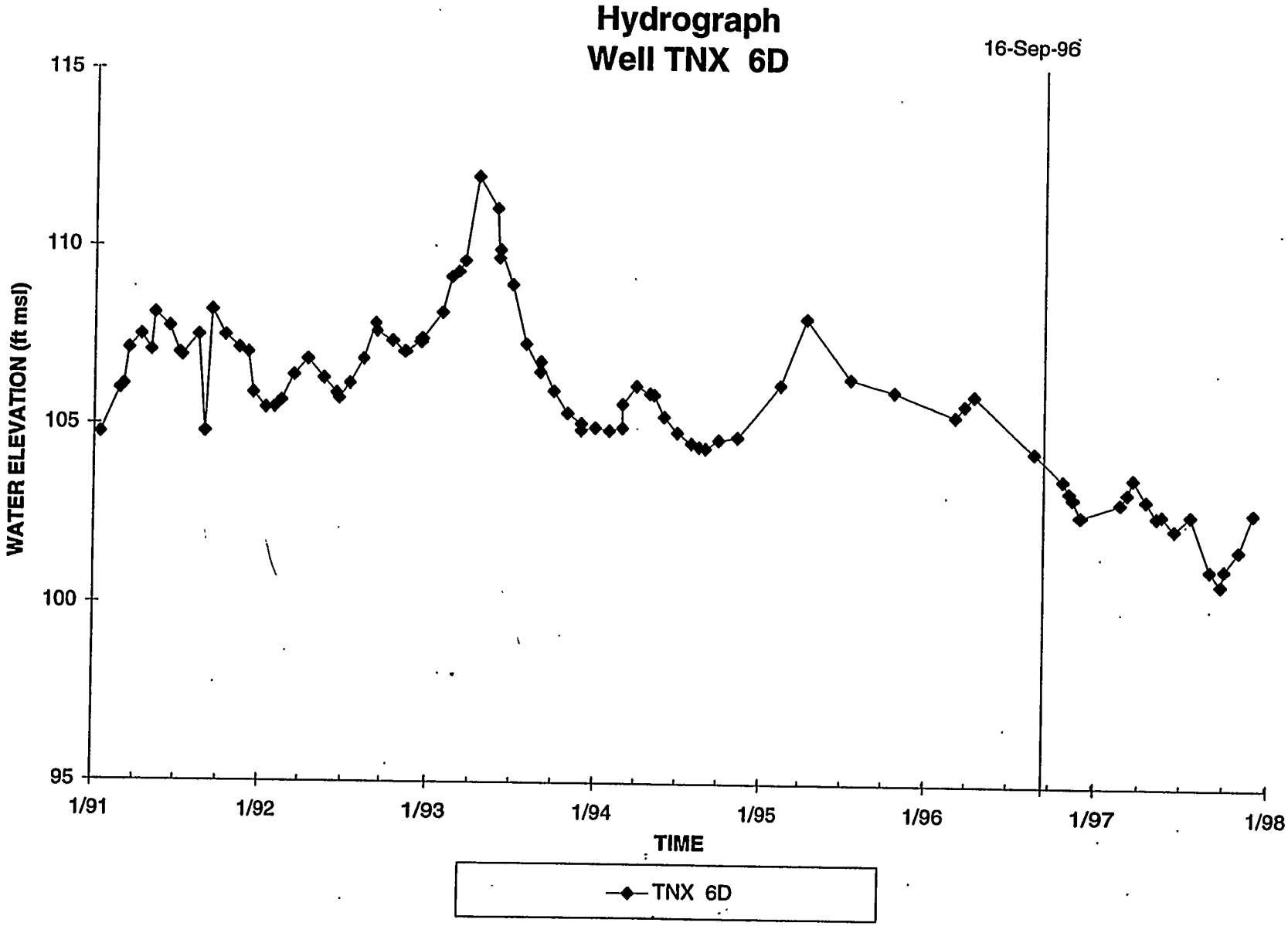
1/98
TIME
TNX 5D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Well TNX 6D
16-Sep-96
115
110
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100
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WATER ELEVATION (ft msl)
1/91
1/92
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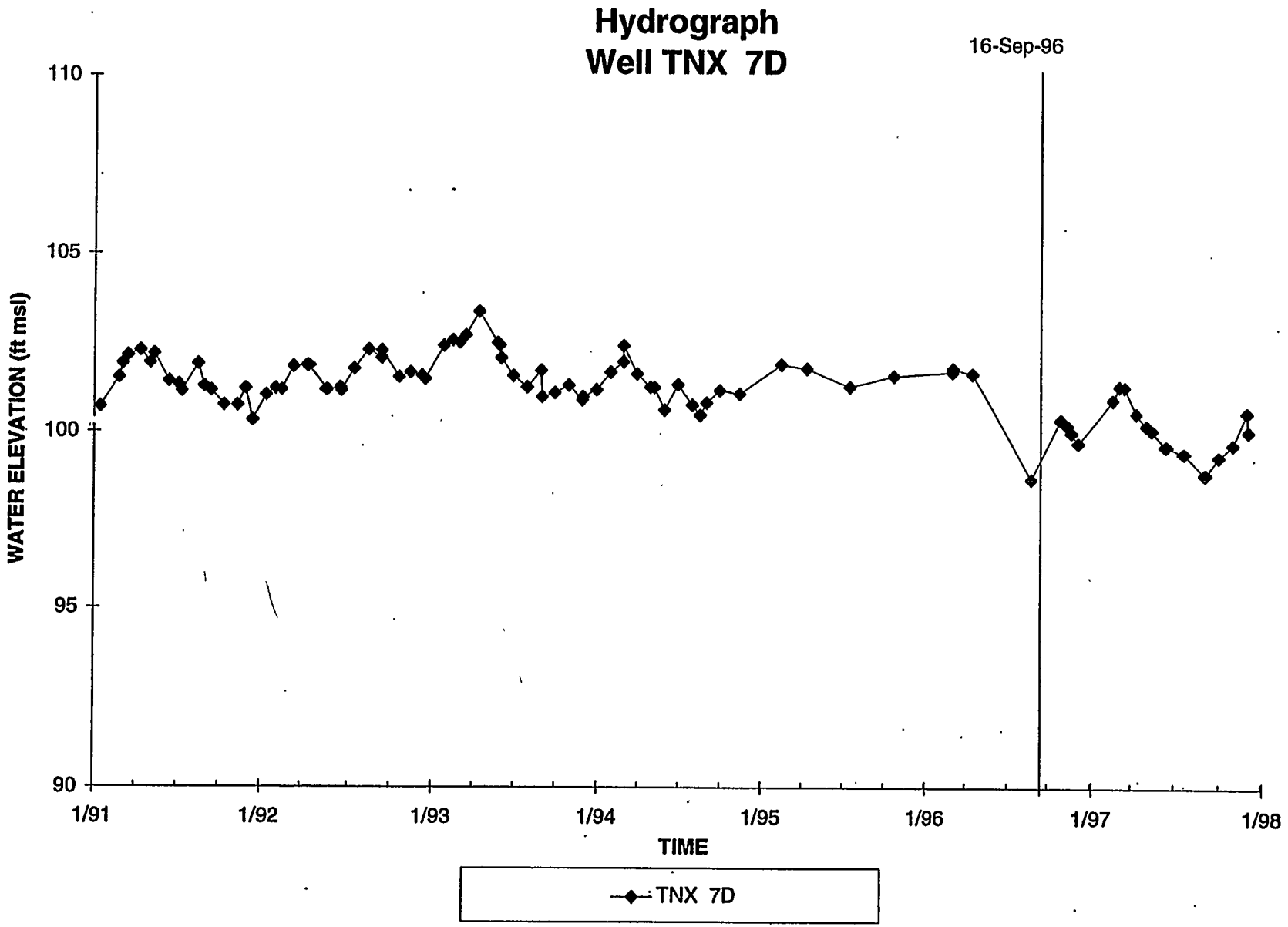
1/98
TIME
TNX 6D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WATER ELEVATION (ft msl)
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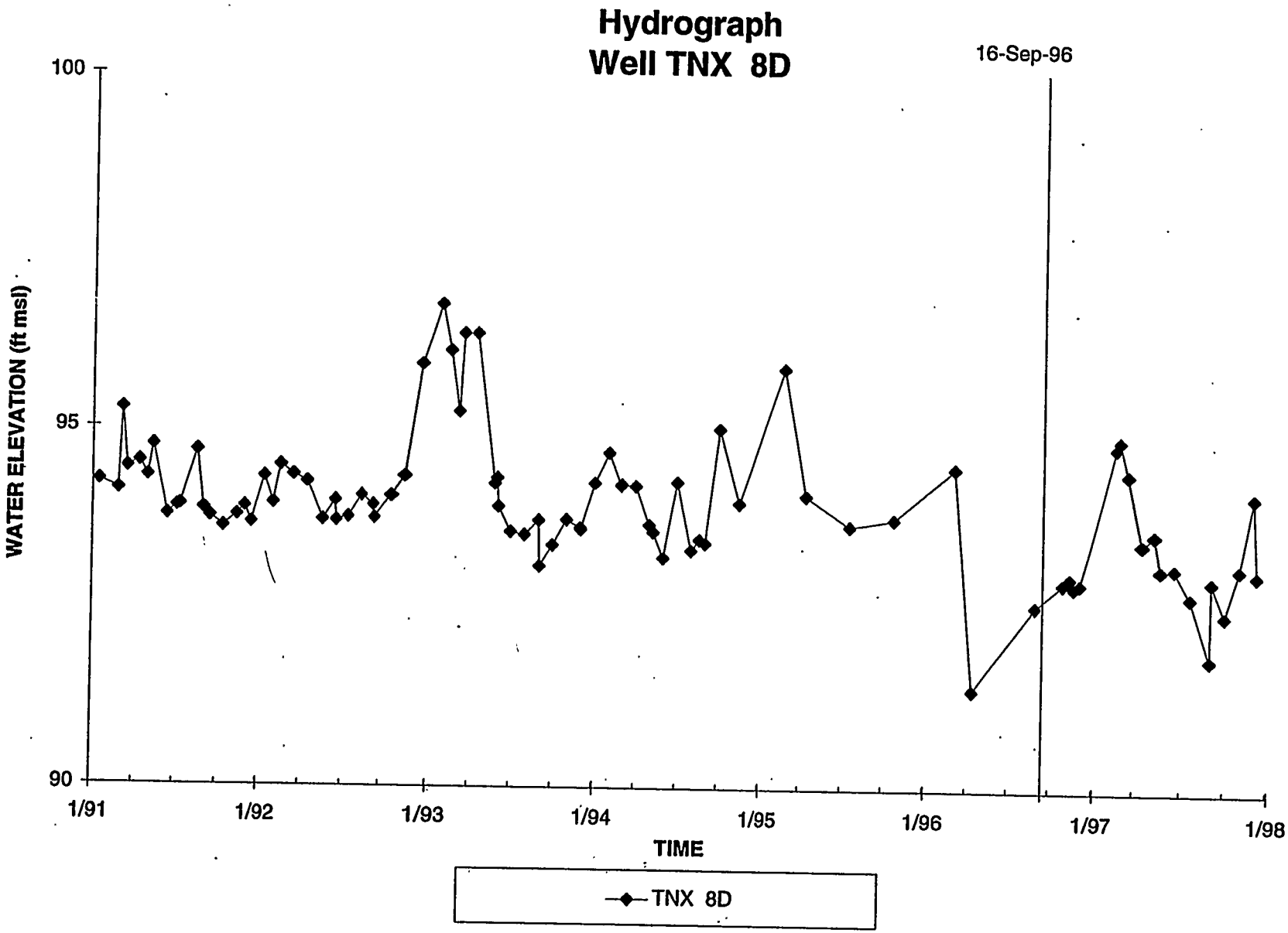
TIME
TNX 7D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16-Sep-96
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WATER ELEVATION (ft msl)
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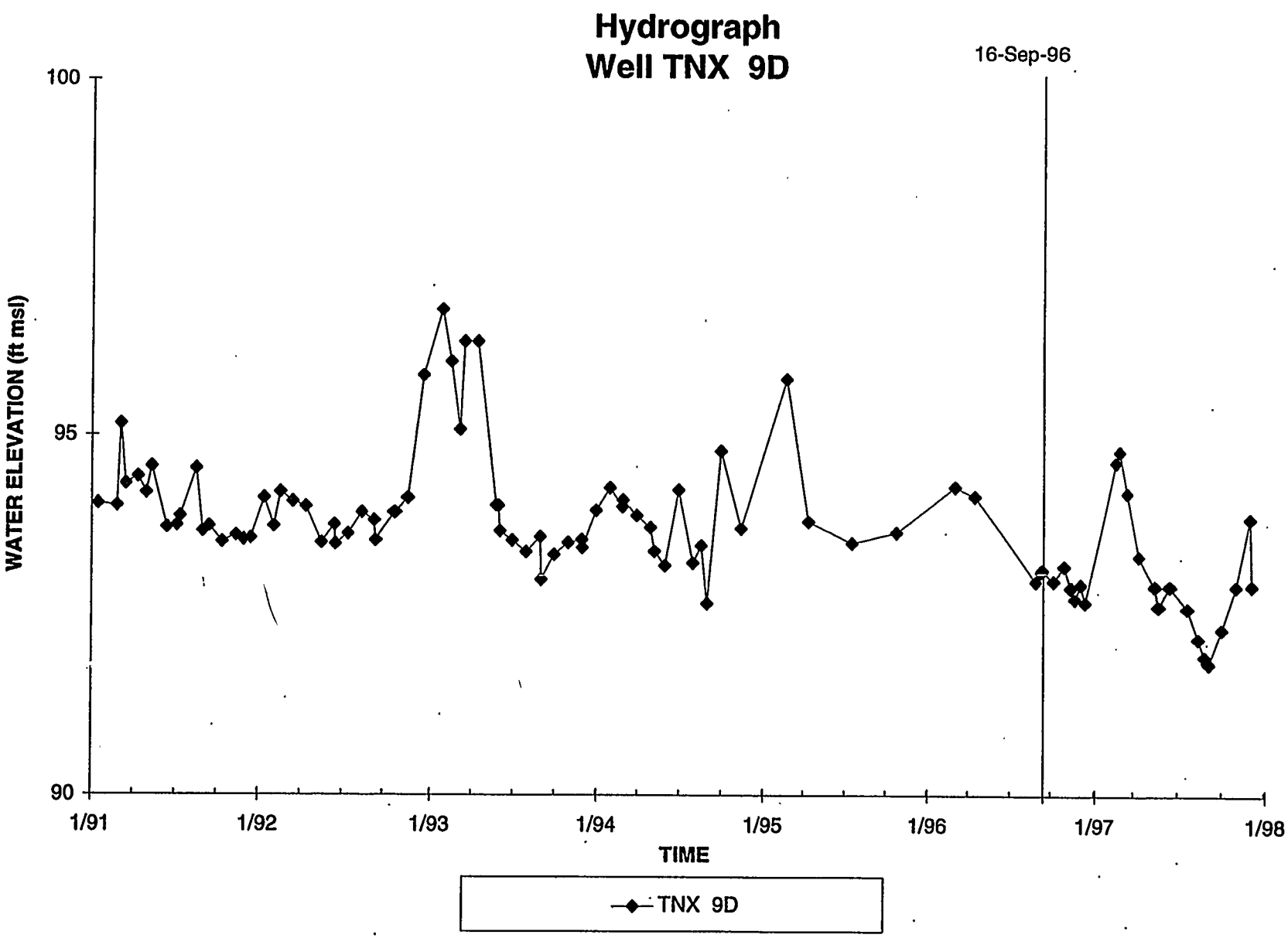
TIME
TNX 8D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90
WATER ELEVATION (ft msl)
1/91
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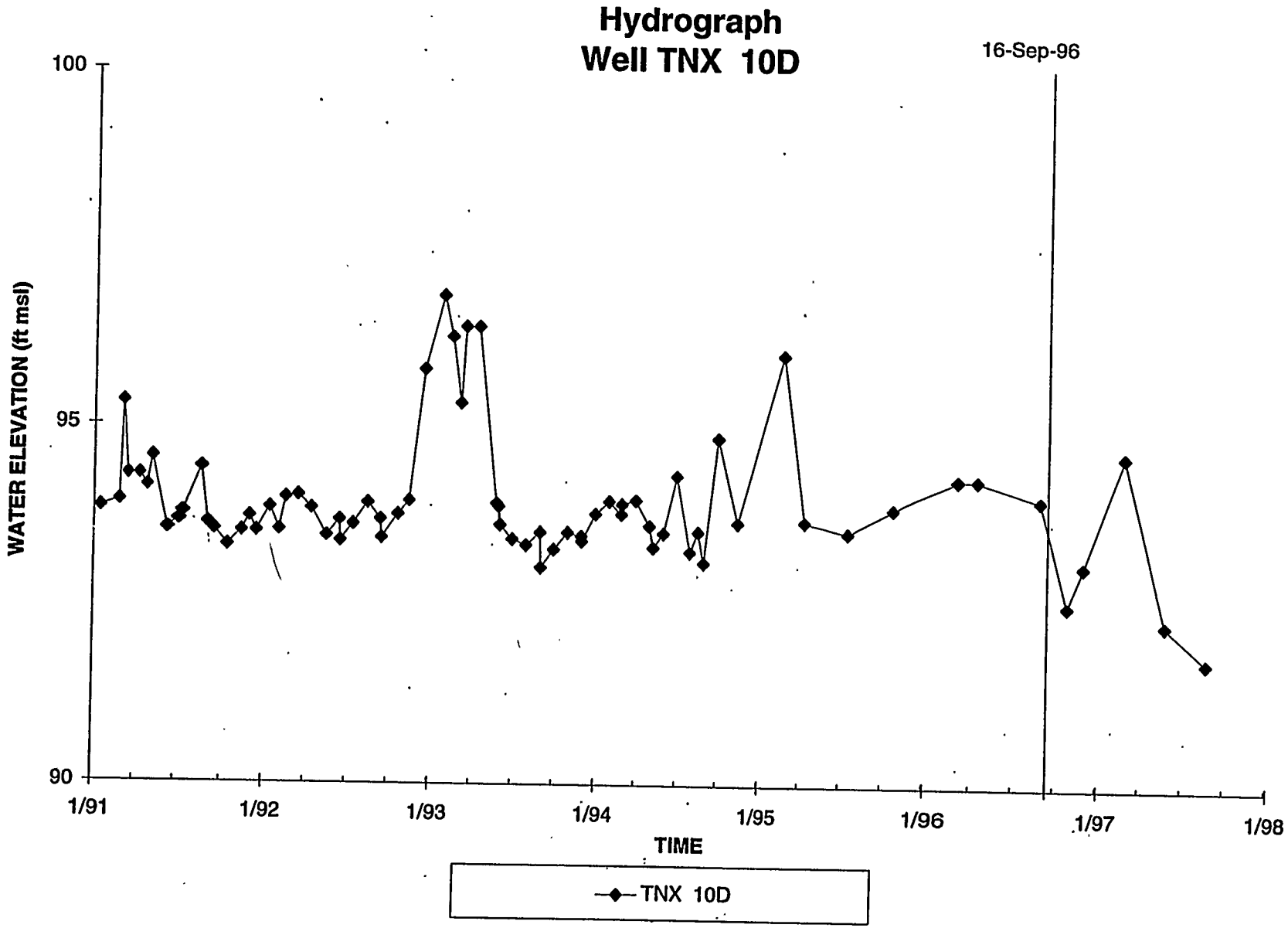
TIME
TNX 9D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Well TNX 10D
16-Sep-96
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WATER ELEVATION (ft msl)
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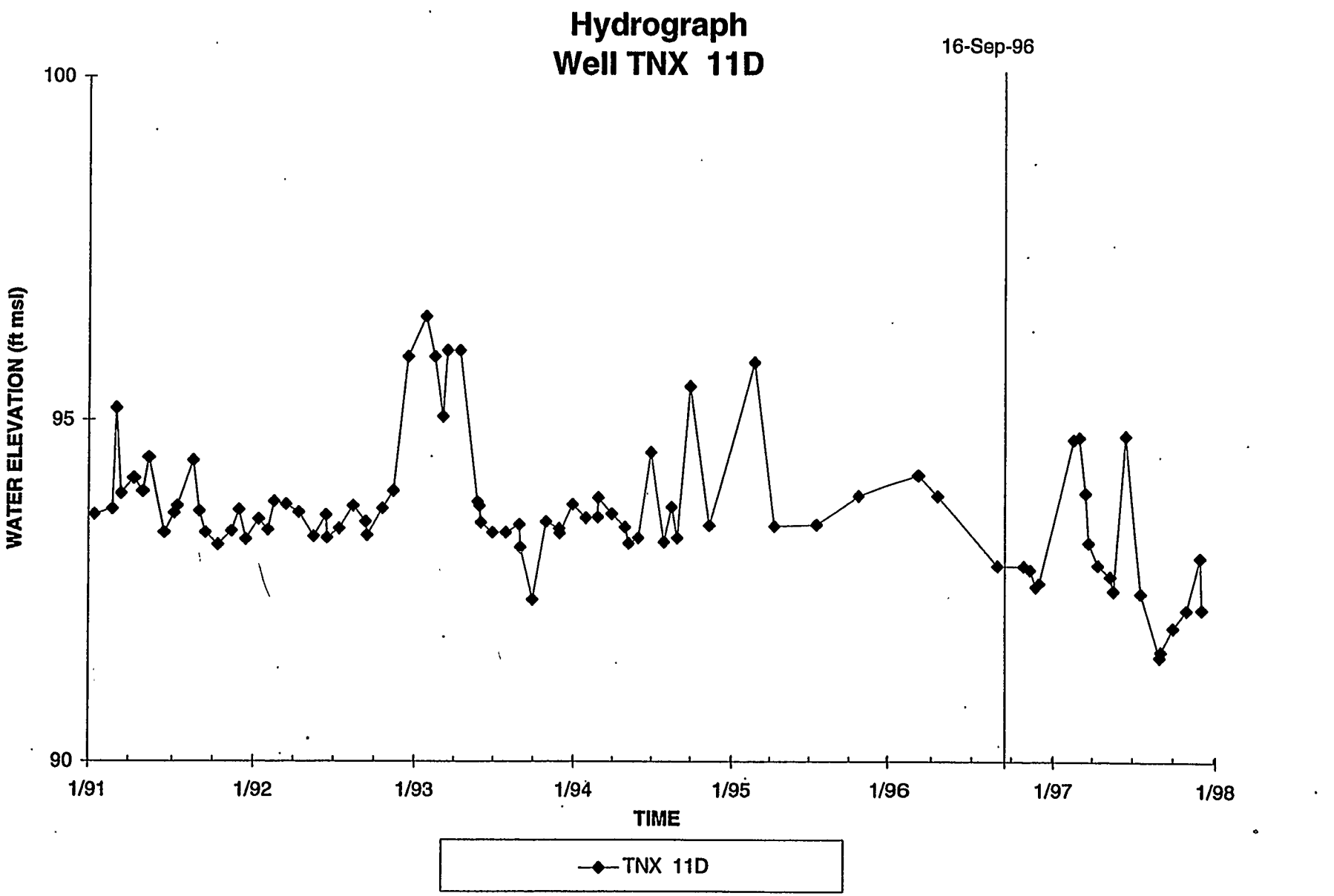
TIME
TNX 10D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WATER ELEVATION (ft msl)
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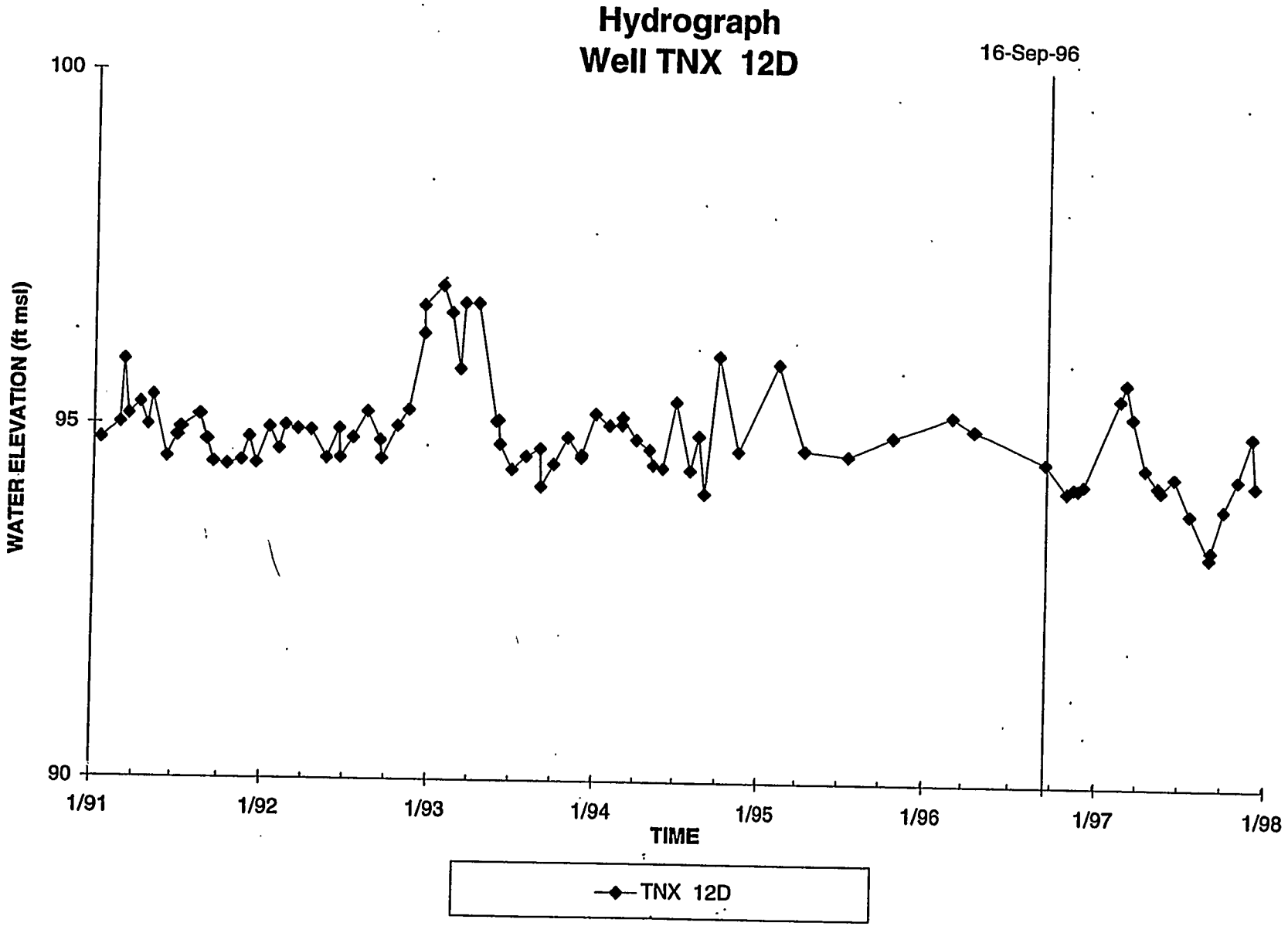
TIME
TNX 11D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Well TNX 12D
16-Sep-96
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WATER ELEVATION (ft msl)
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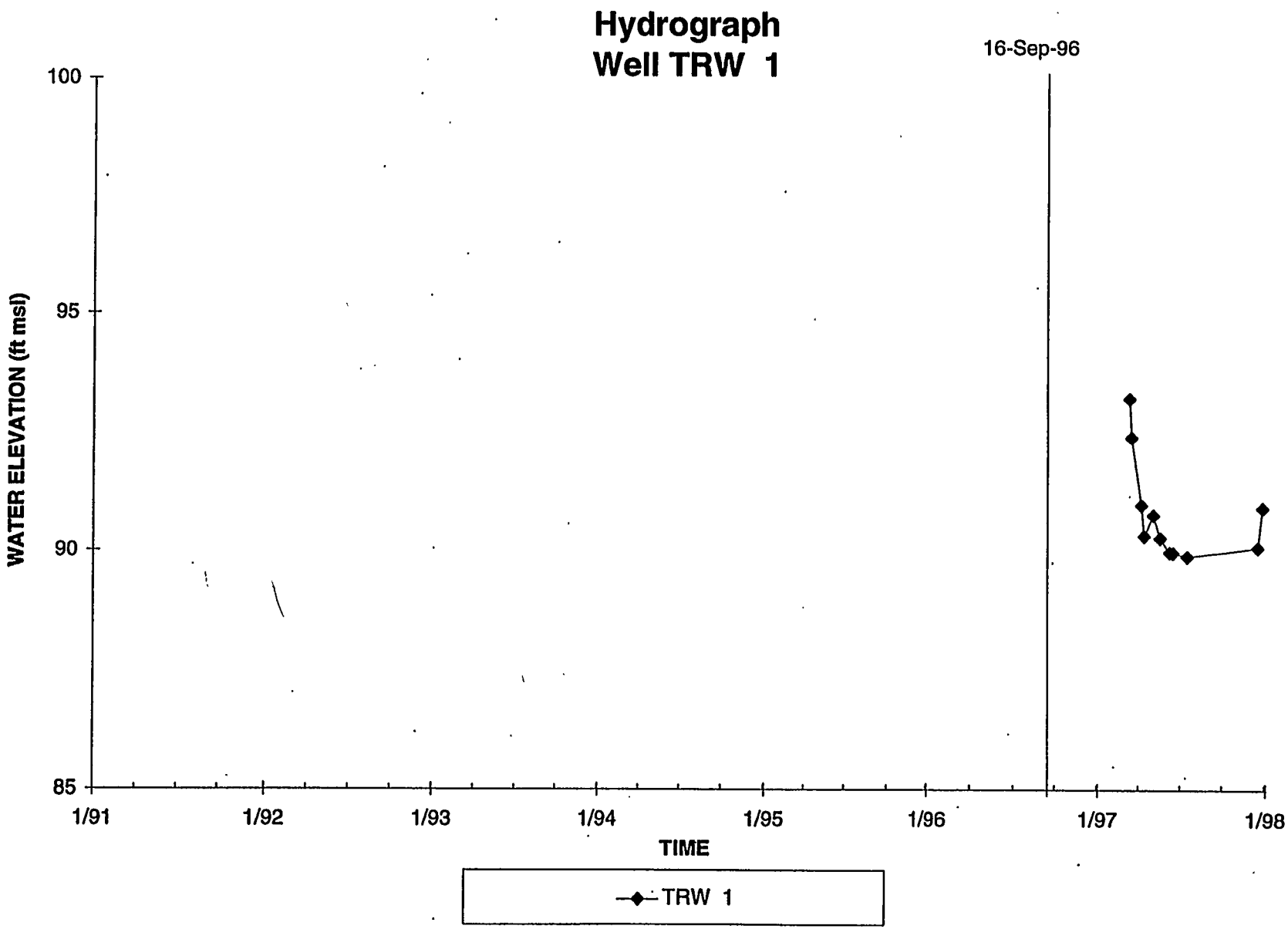
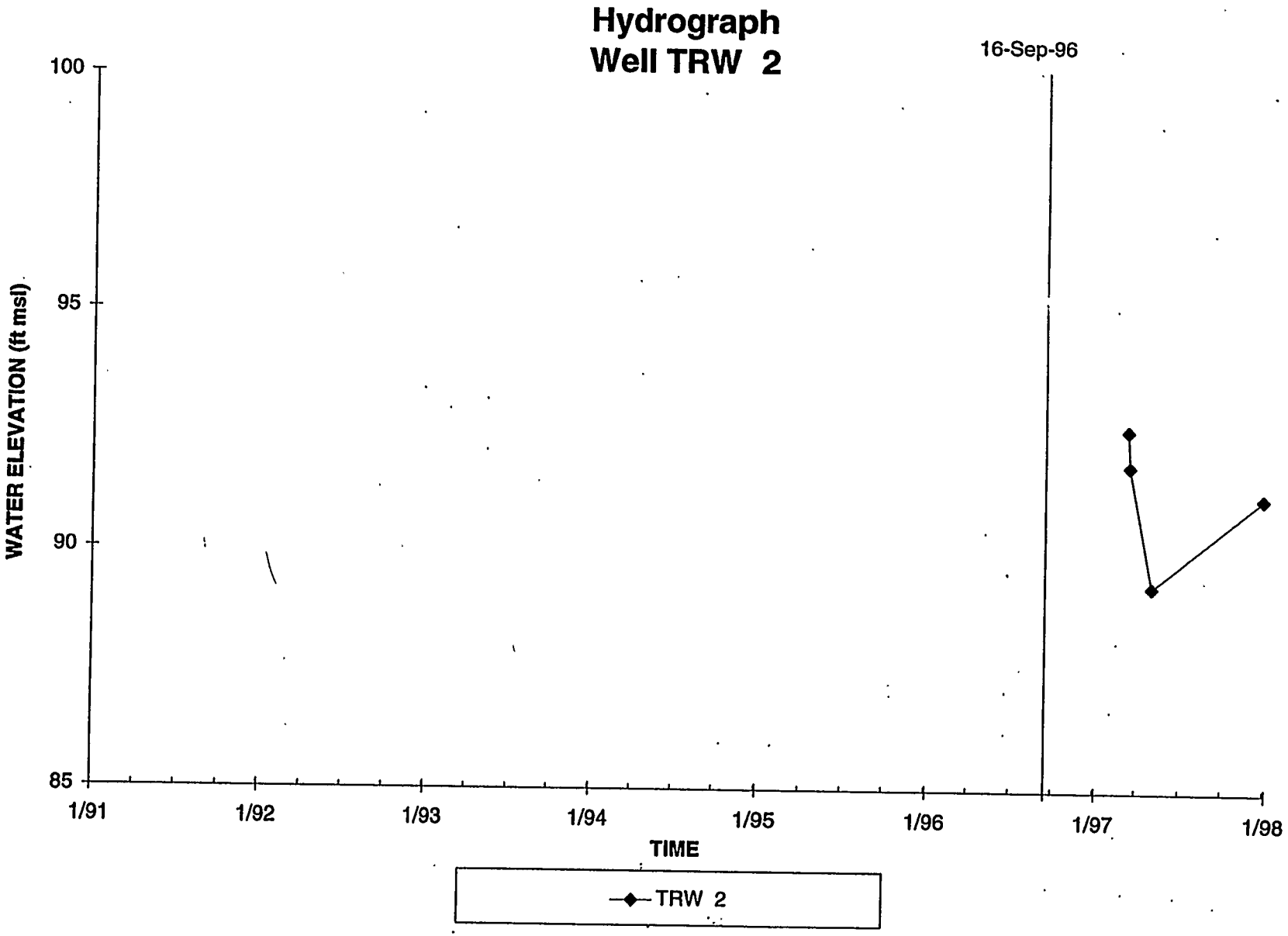
1/96
1/97
1/98
TIME
TNX 12D


Hydrograph
Well TRW 1
16-Sep-96
100
95
90
85
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TRW 1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95
90
85
WATER ELEVATION (ft msl)
1/91
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1/94
1/95
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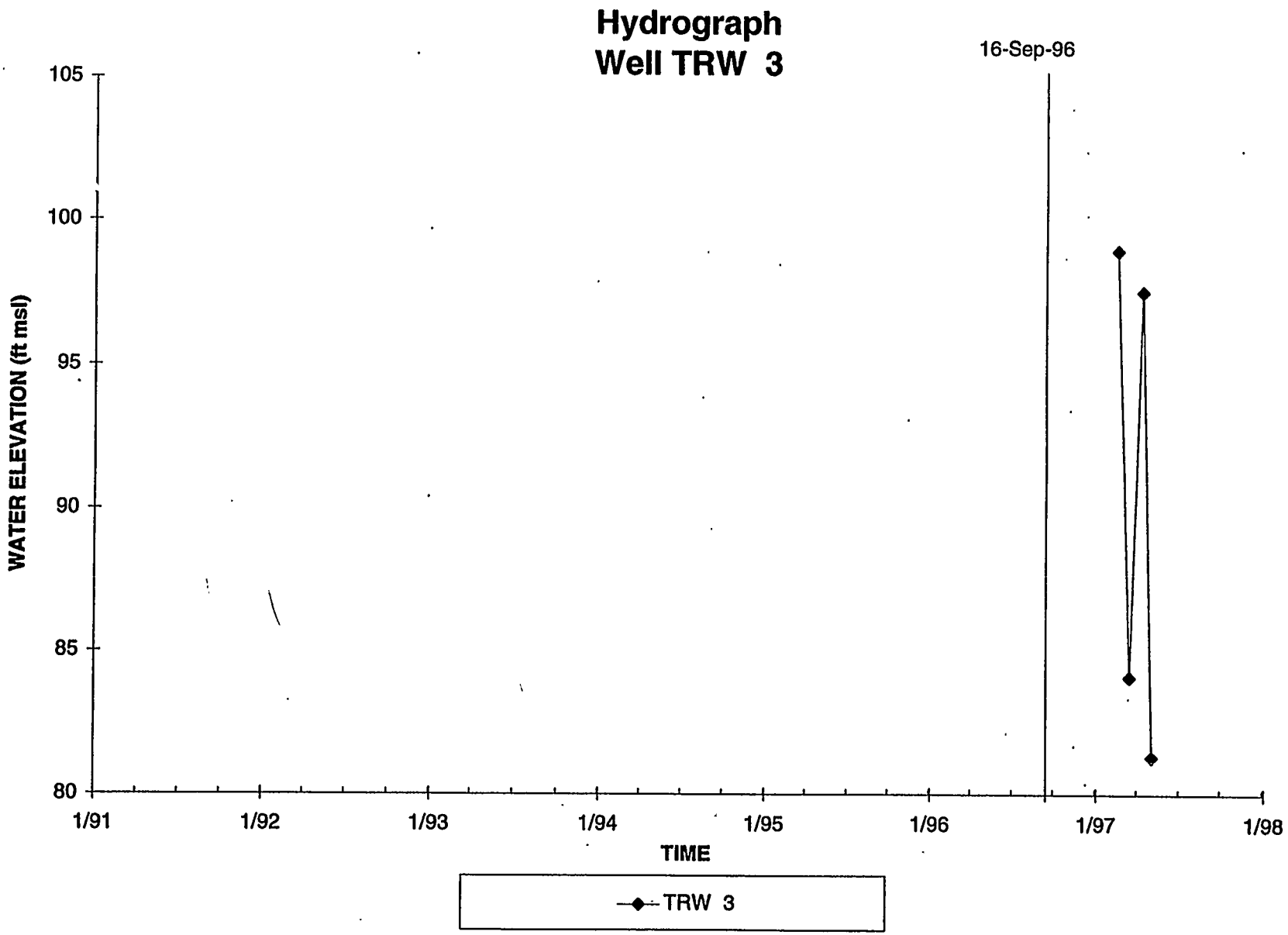
1/97
1/98
TIME
TRW 2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WATER ELEVATION (ft msl)
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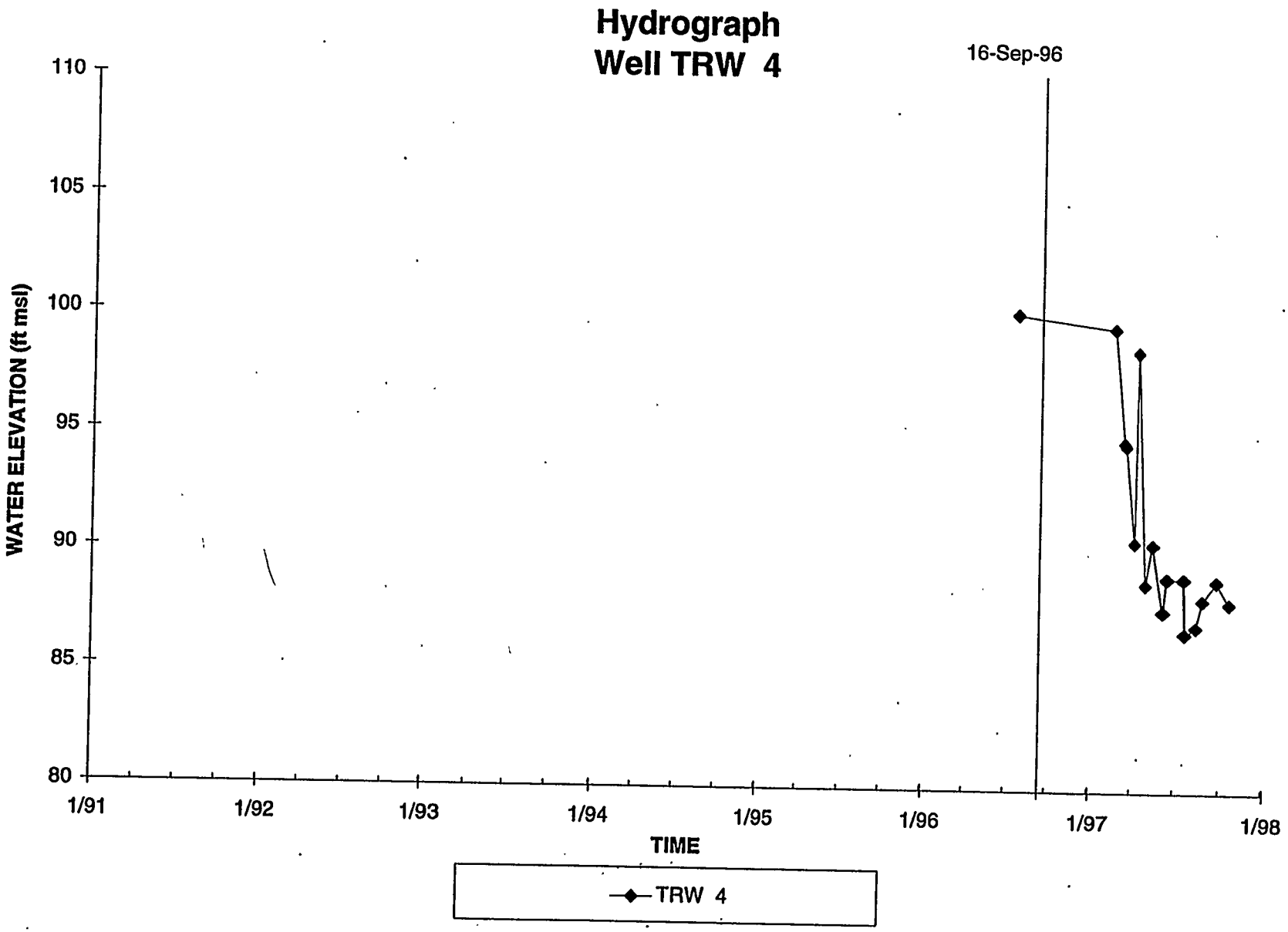
1/97
1/98
TIME
TRW 3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Well TRW 4
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WATER ELEVATION (ft msl)
1/91
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1/94
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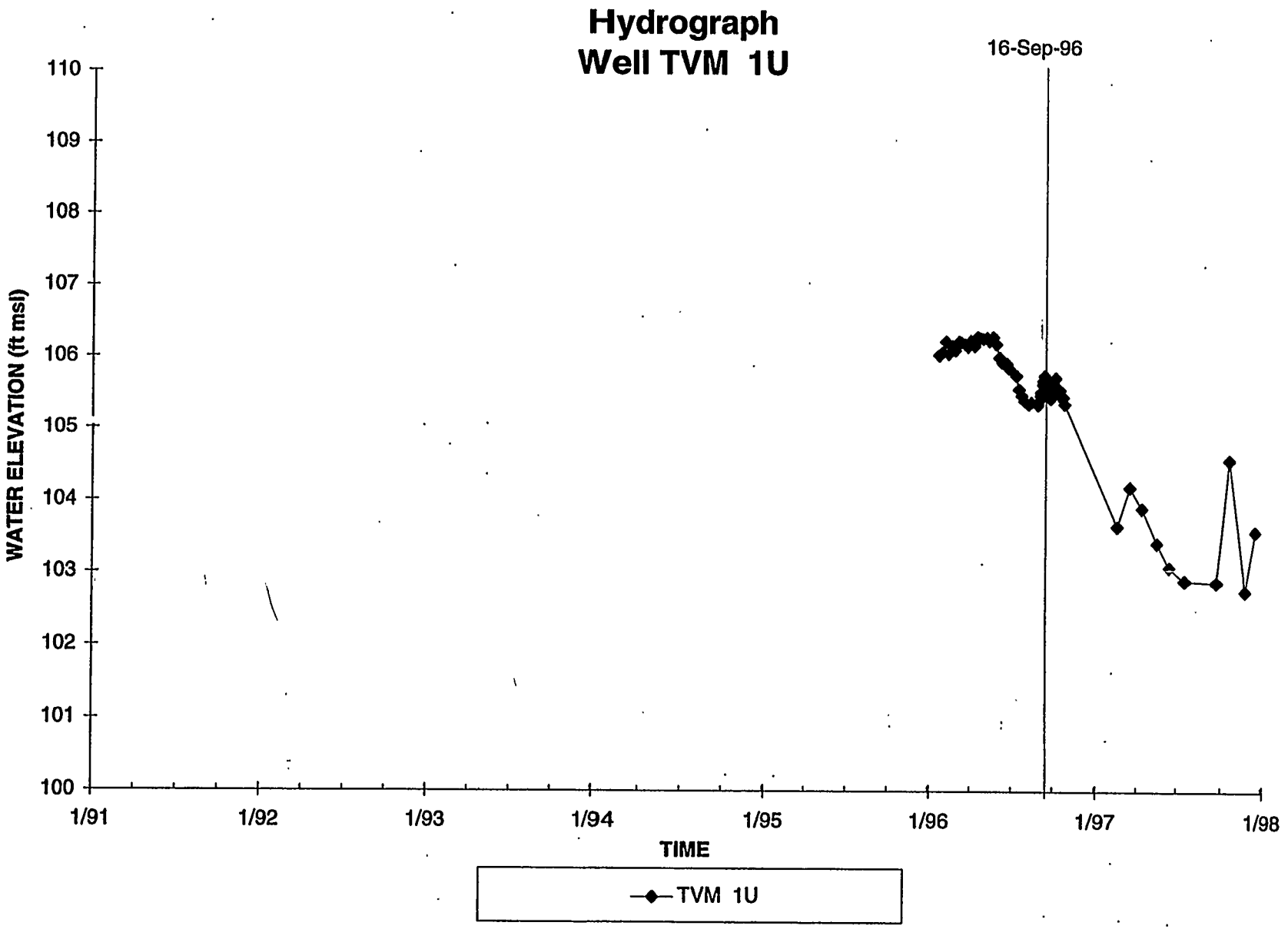
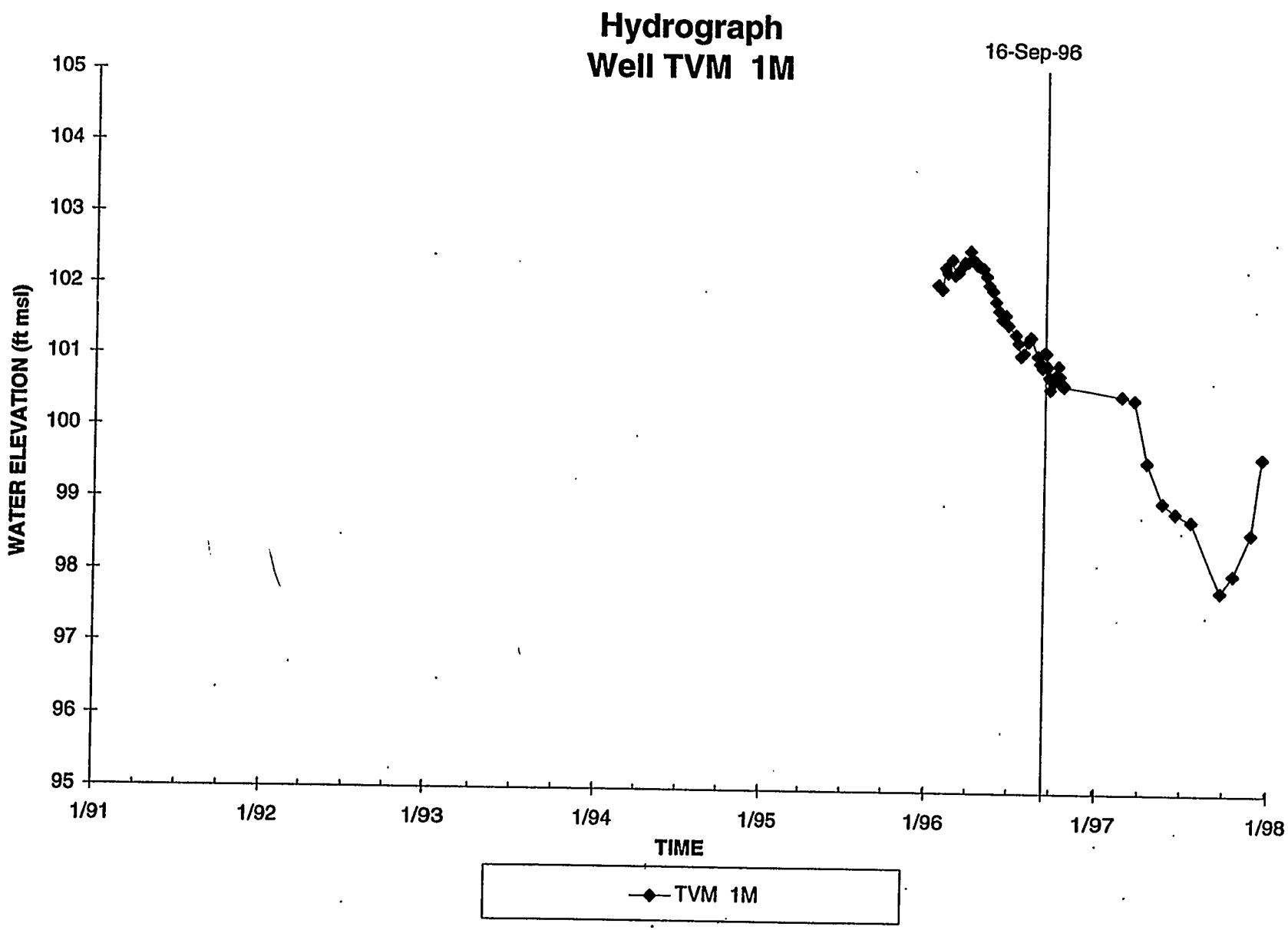
1/97
1/98
TIME
TRW 4


Hydrograph
Well TVM 1U
16-Sep-96
WATER ELEVATION (ft msl)
110
109
108
107
106
105
104
103
102
101
100
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 1U


Hydrograph
Well TVM 1M
16-Sep-96
WATER ELEVATION (ft msl)
105
104
103
102
101
100
99
98
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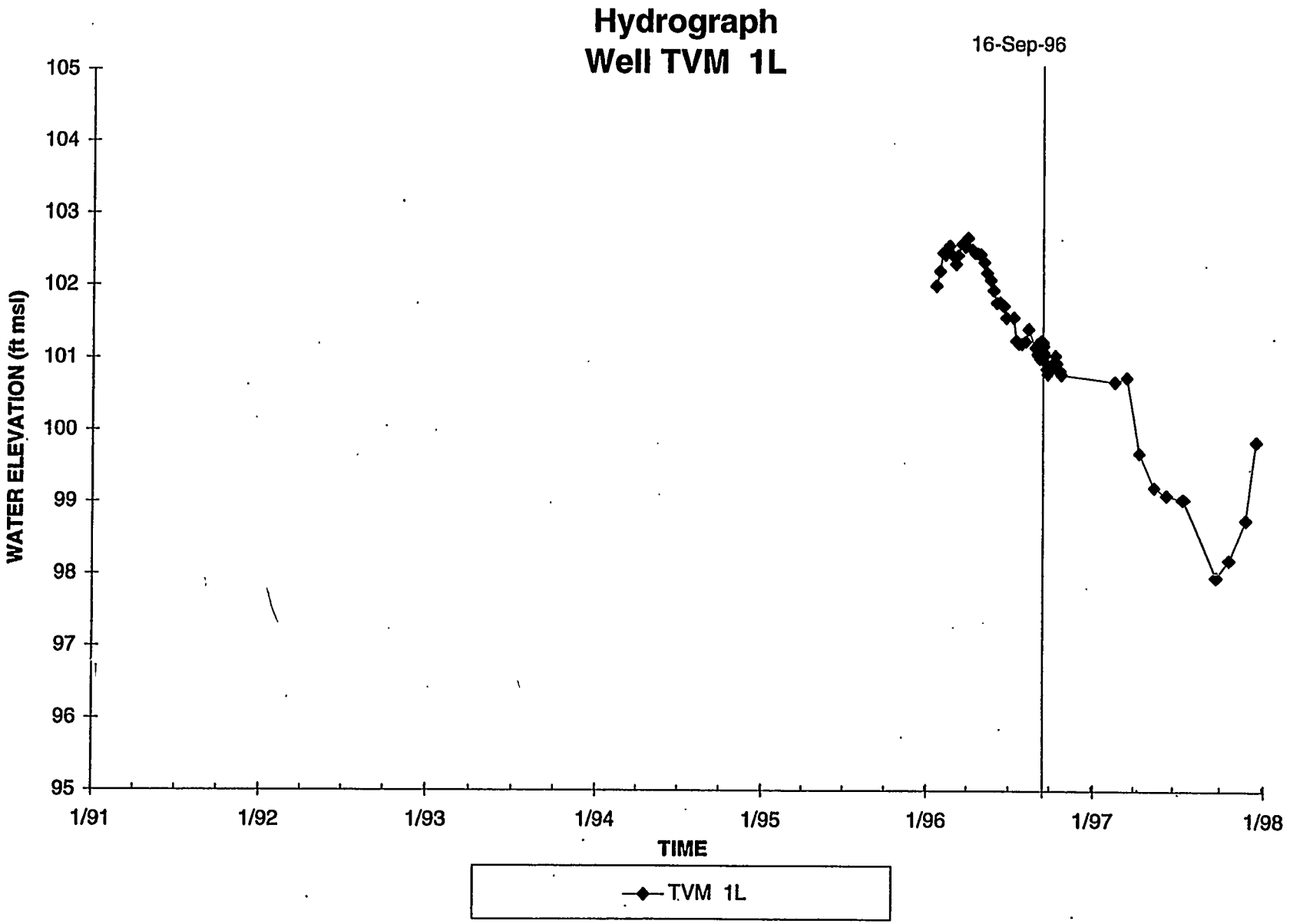
96
95
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 1M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WATER ELEVATION (ft msl)
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104
103
102
101
100
99
98
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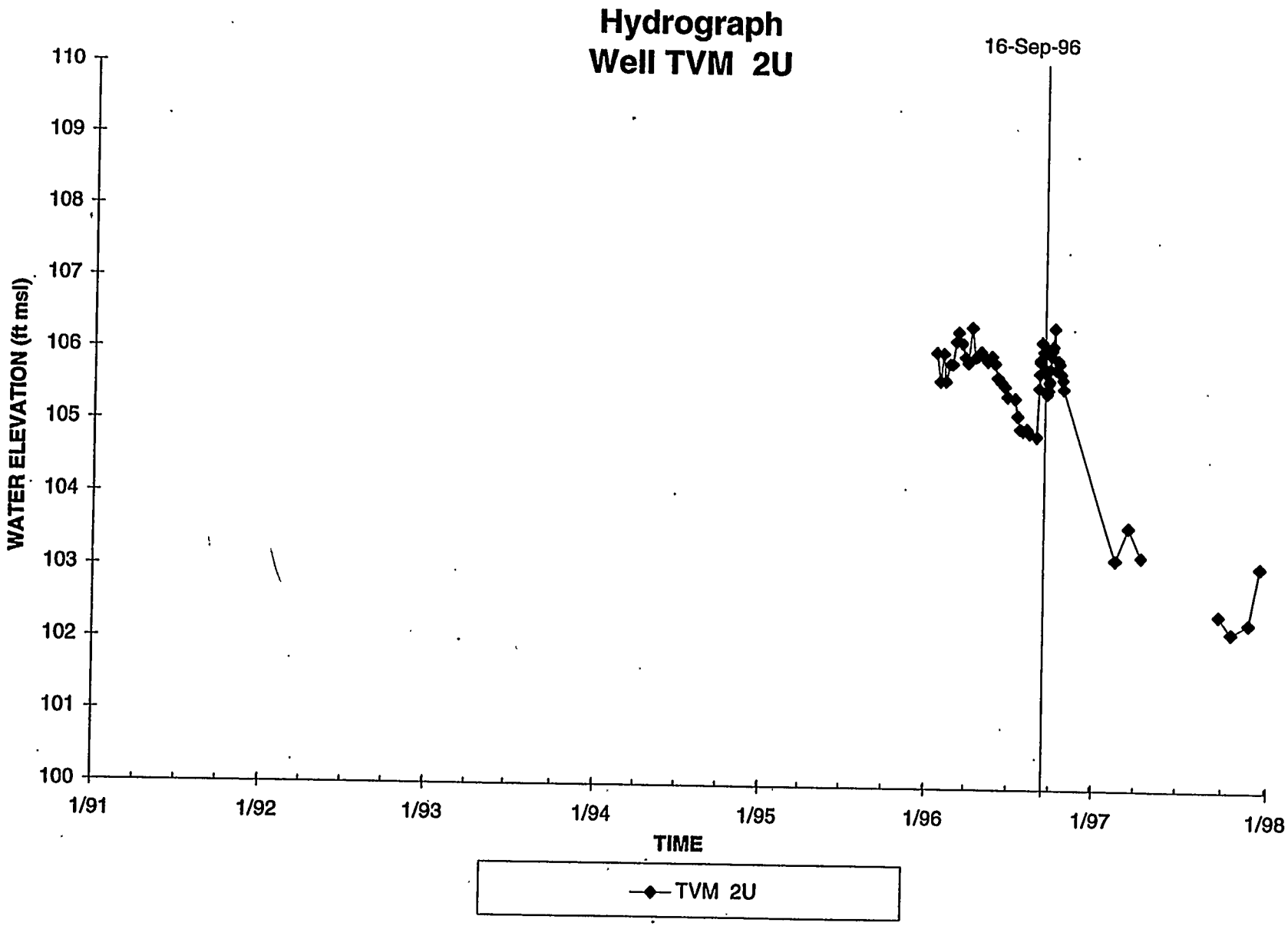
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 1L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Well TVM 2U
16-Sep-96
WATER ELEVATION (ft msl)
110
109
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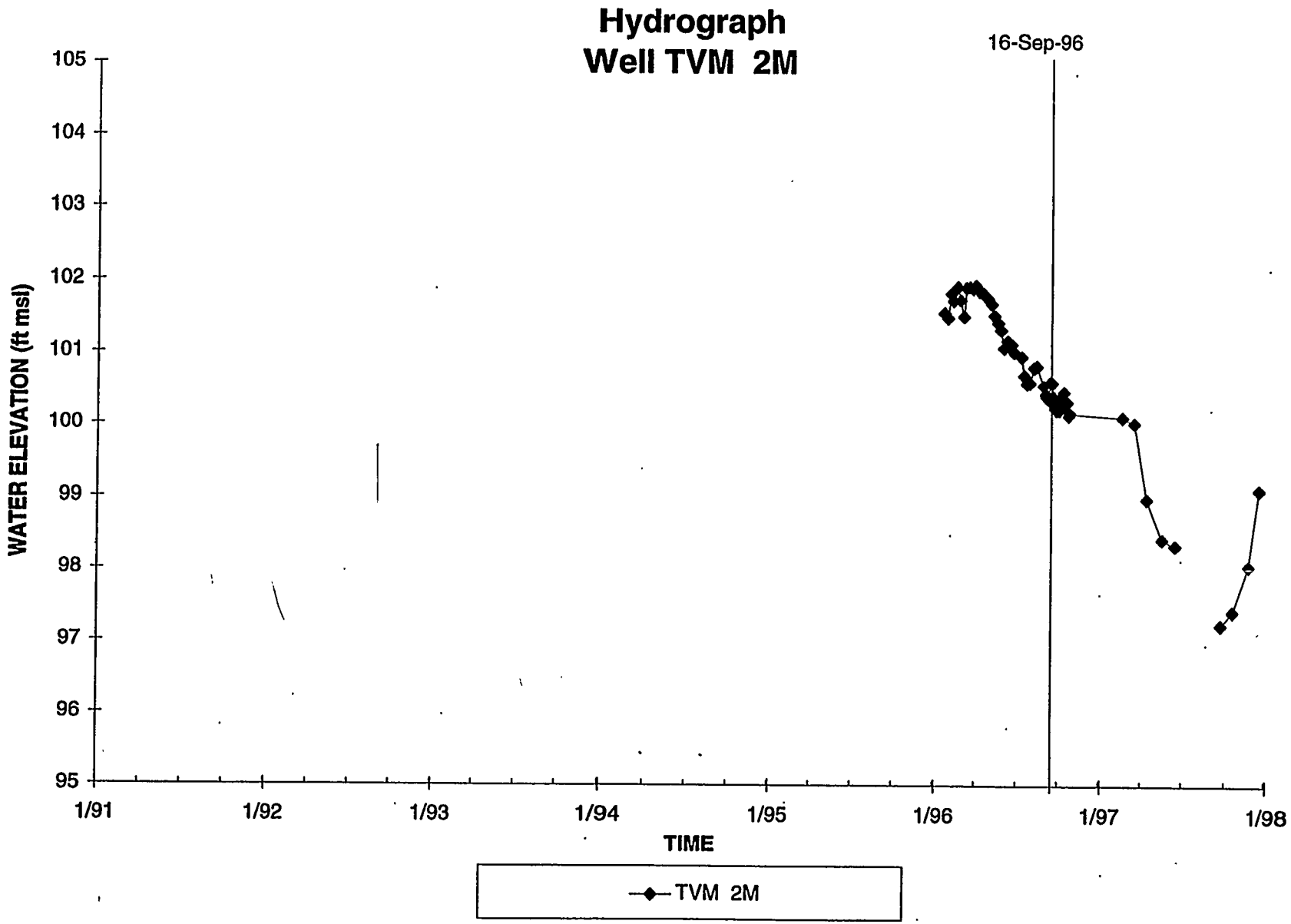
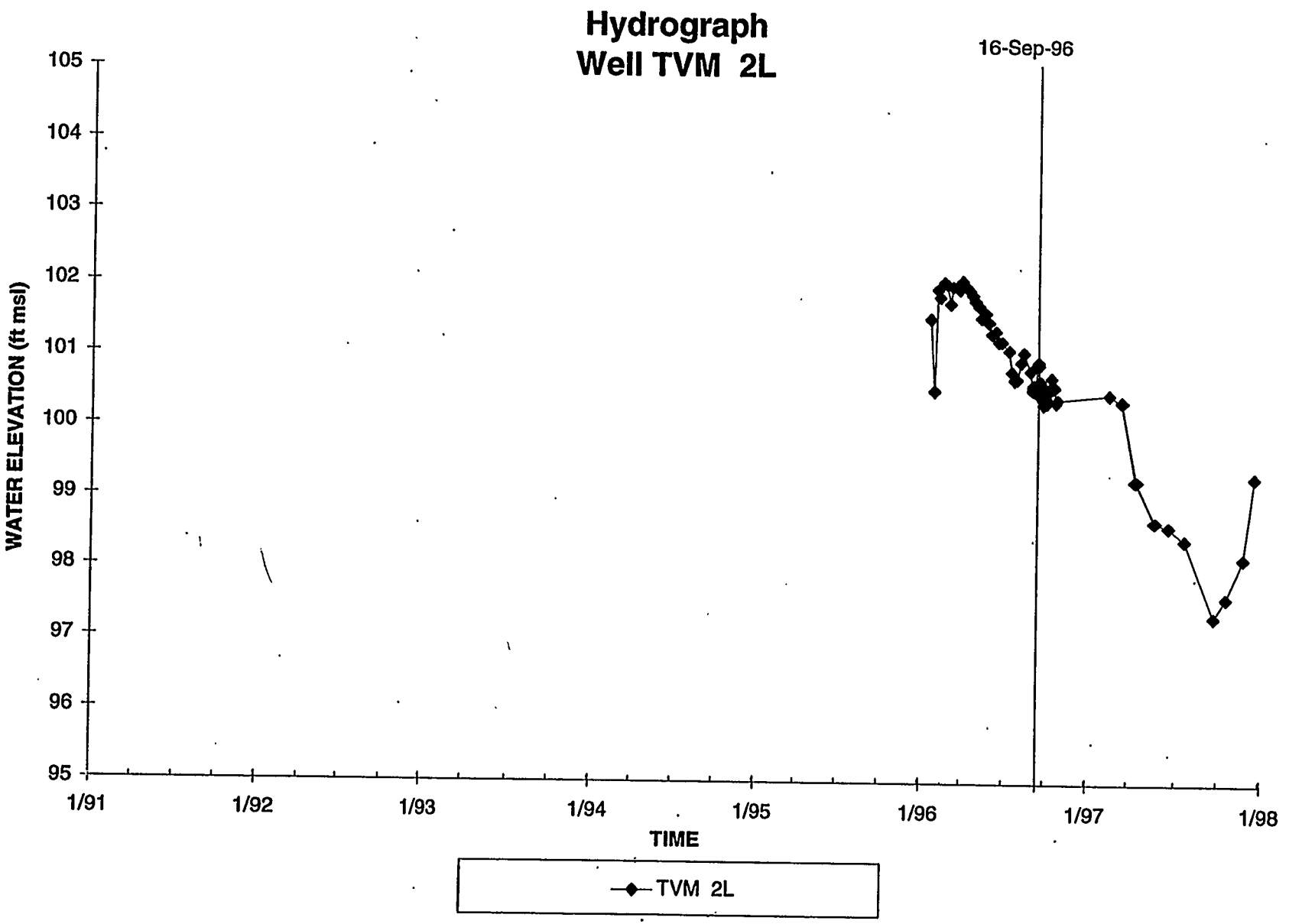
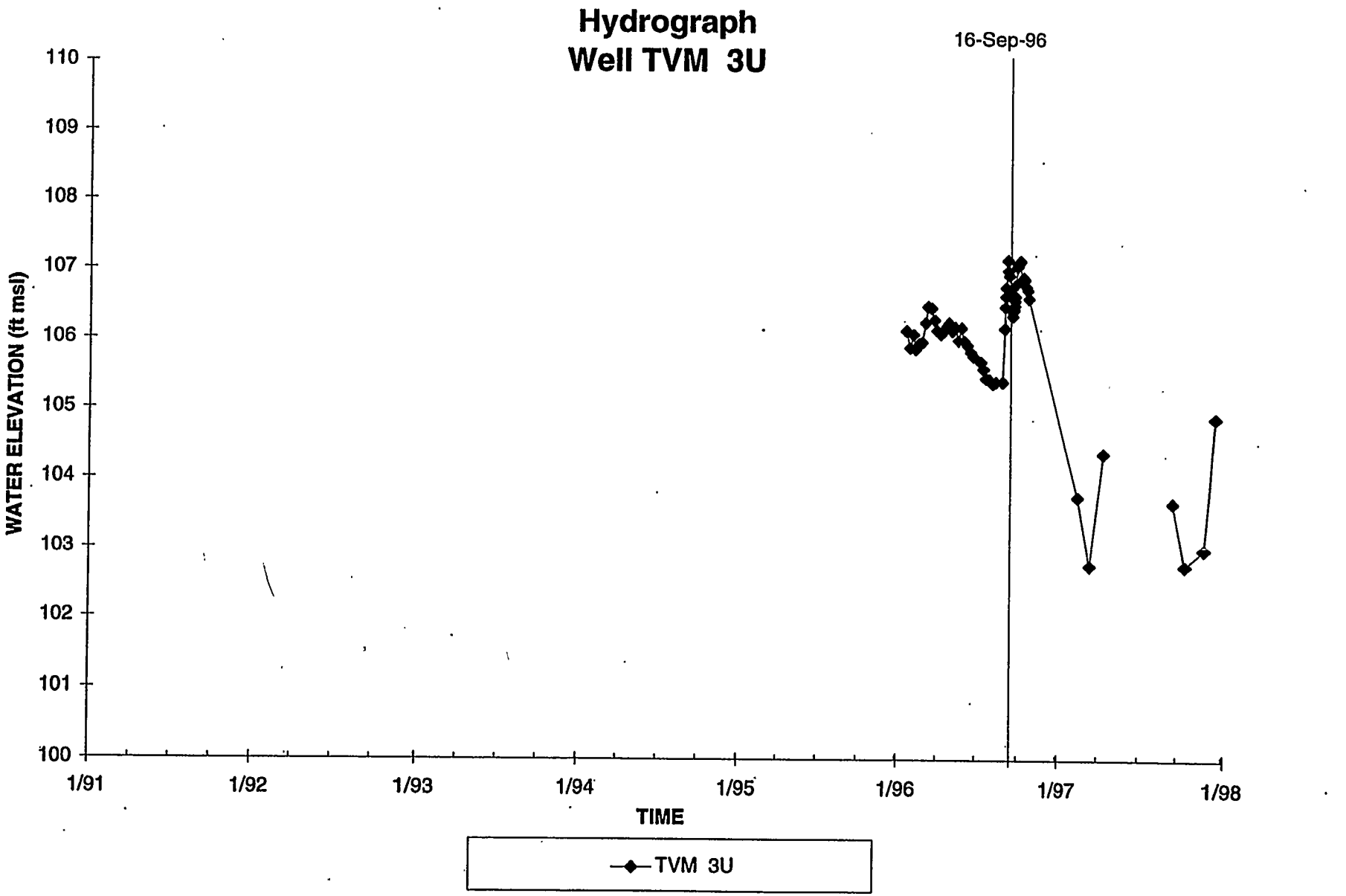
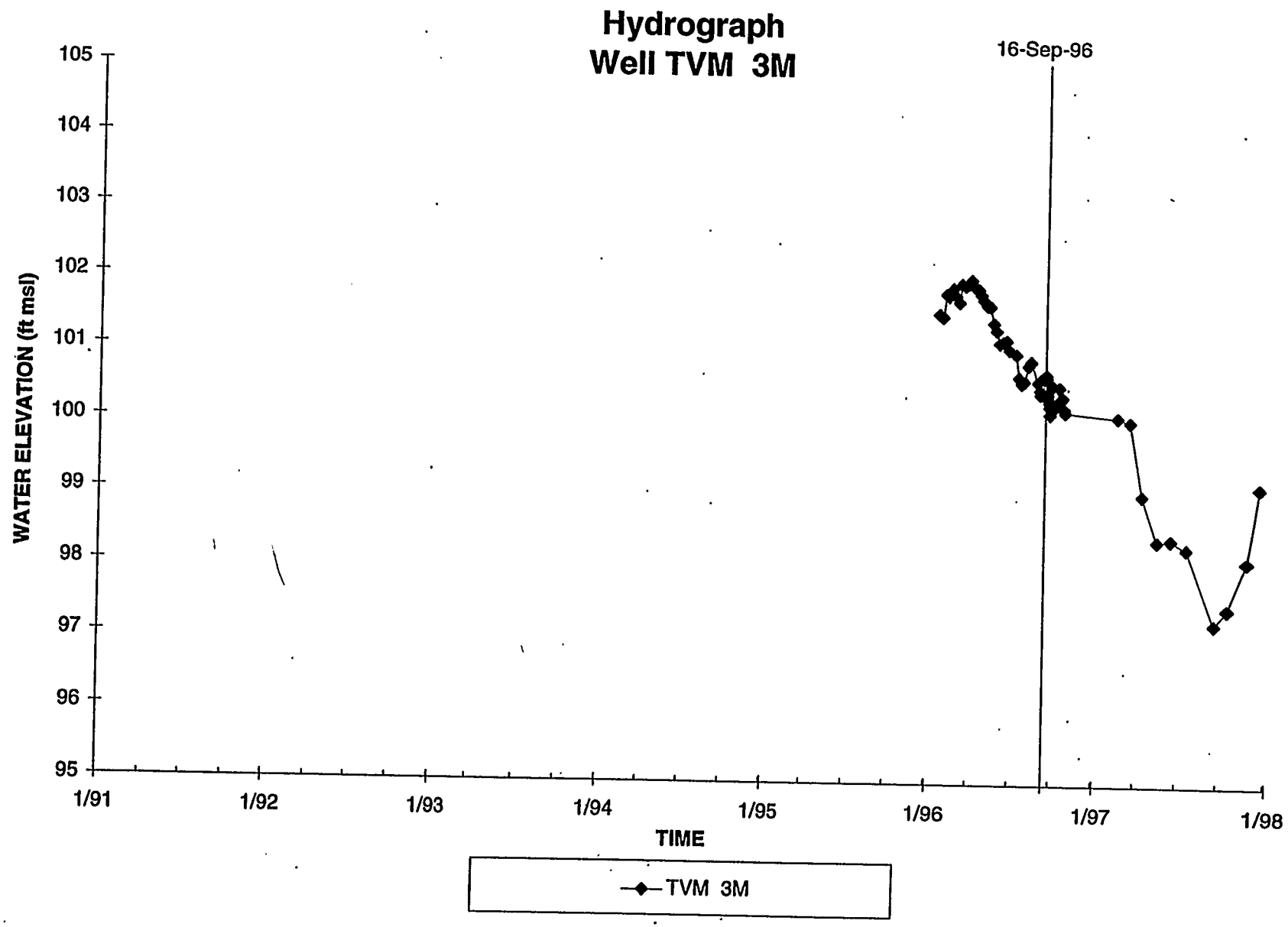
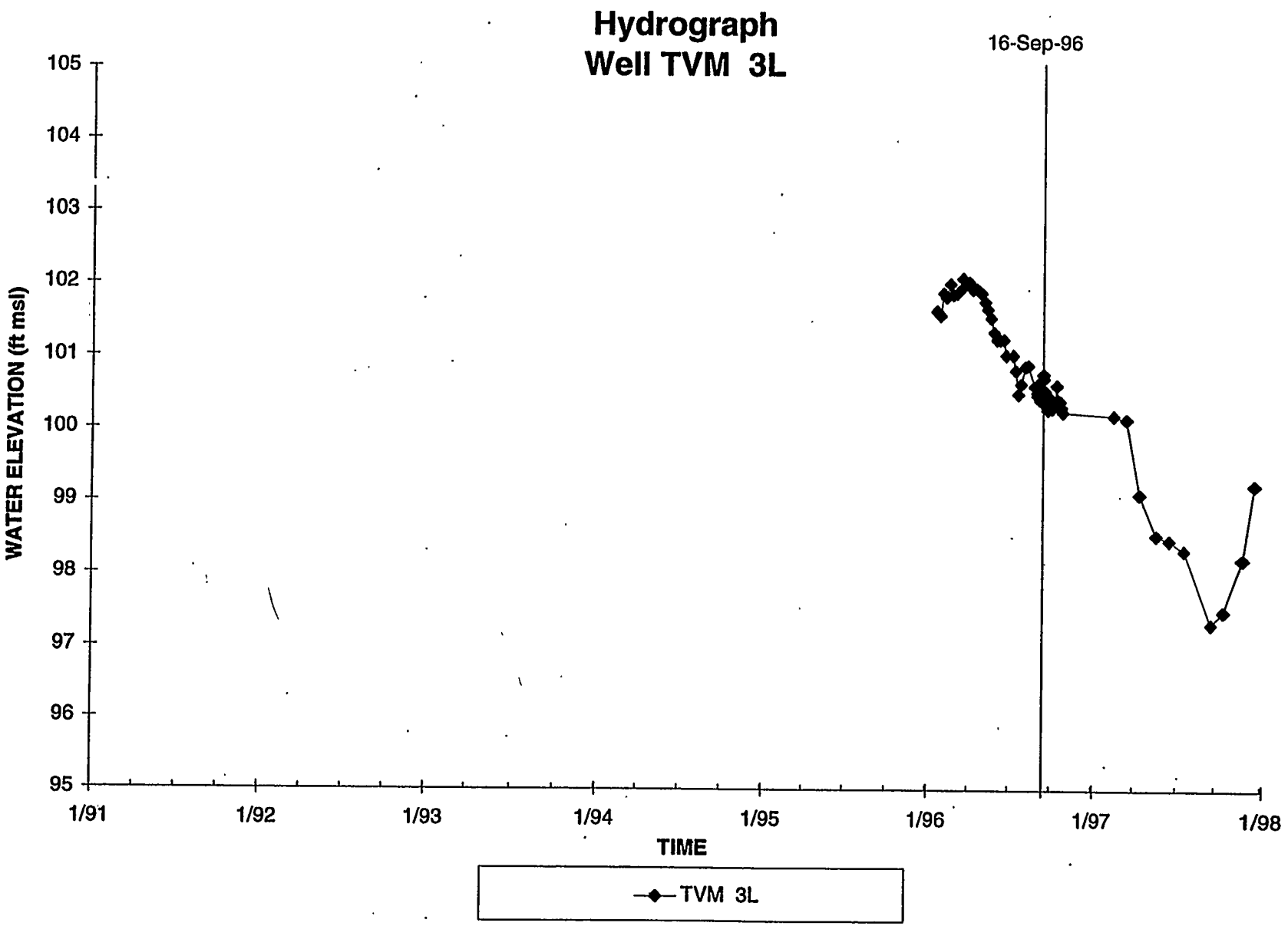
100
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 2U

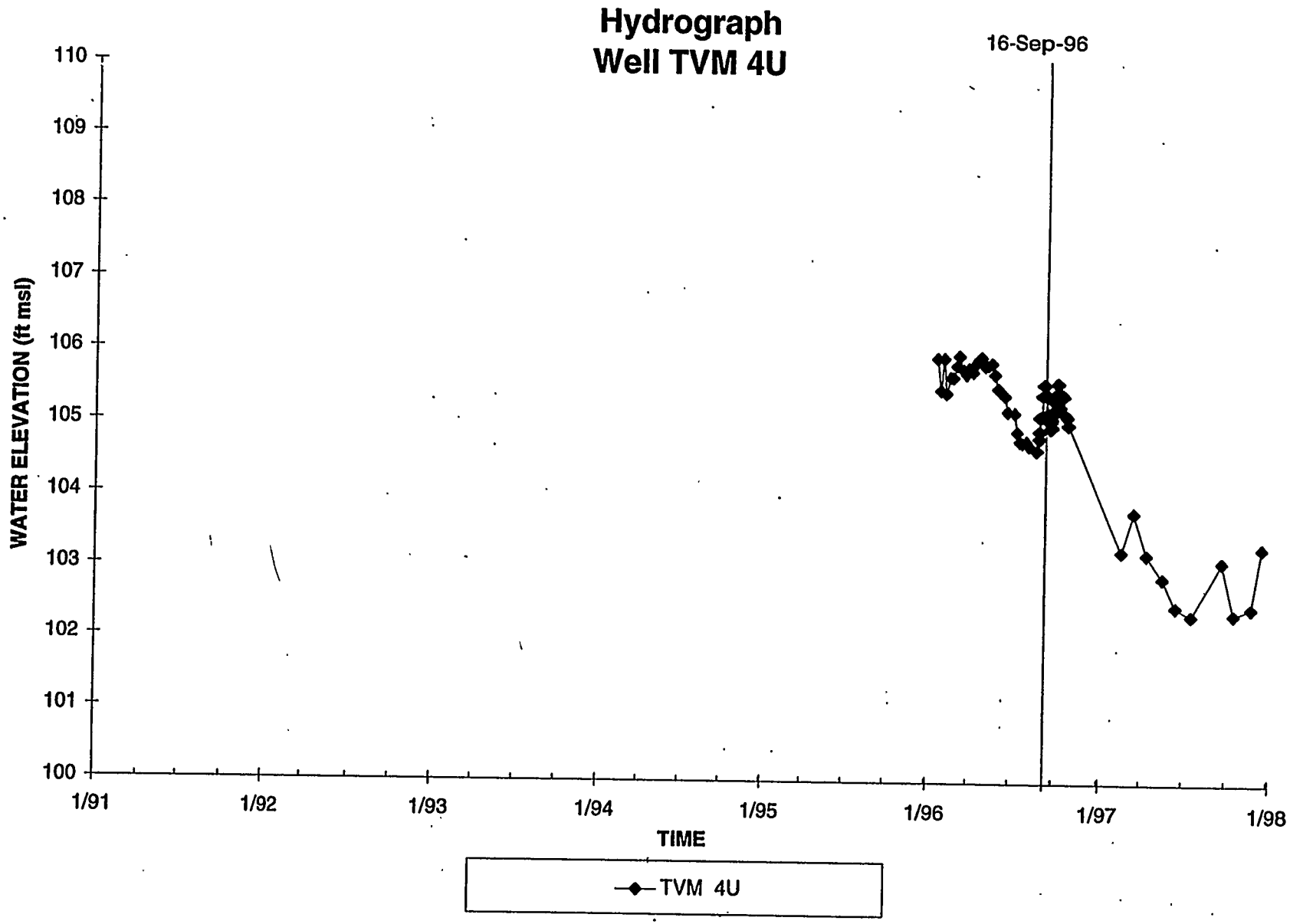

Hydrograph
Well TVM 2M
16-Sep-96
WATER ELEVATION (ft msl)
105
104
103
102
101
100
99
98
97
96
95
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 2M

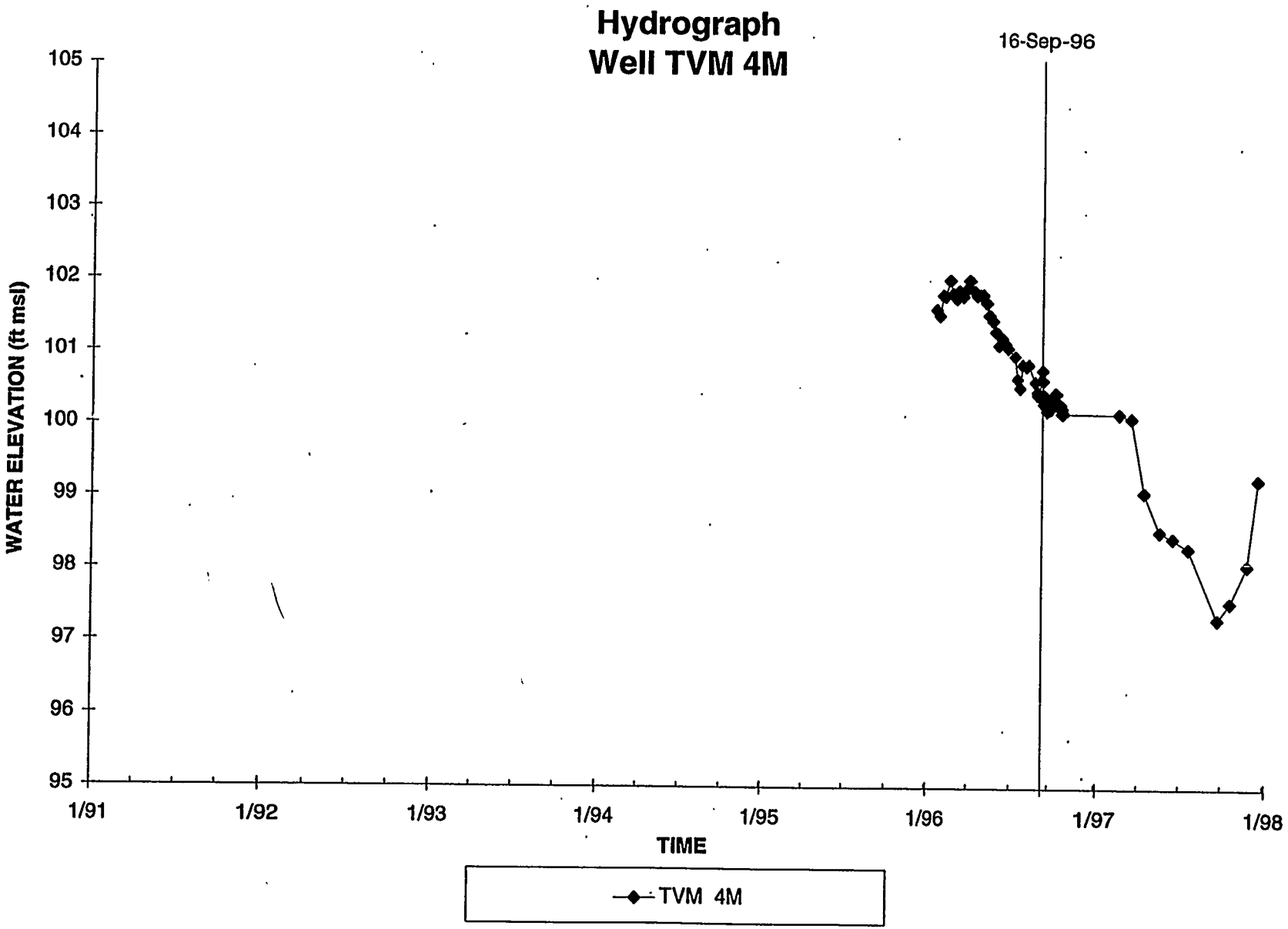

Hydrograph
Well TVM 2L
16-Sep-96
WATER ELEVATION (ft msl)
105
104
103
102
101
100
99
98
97
96
95
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 2L

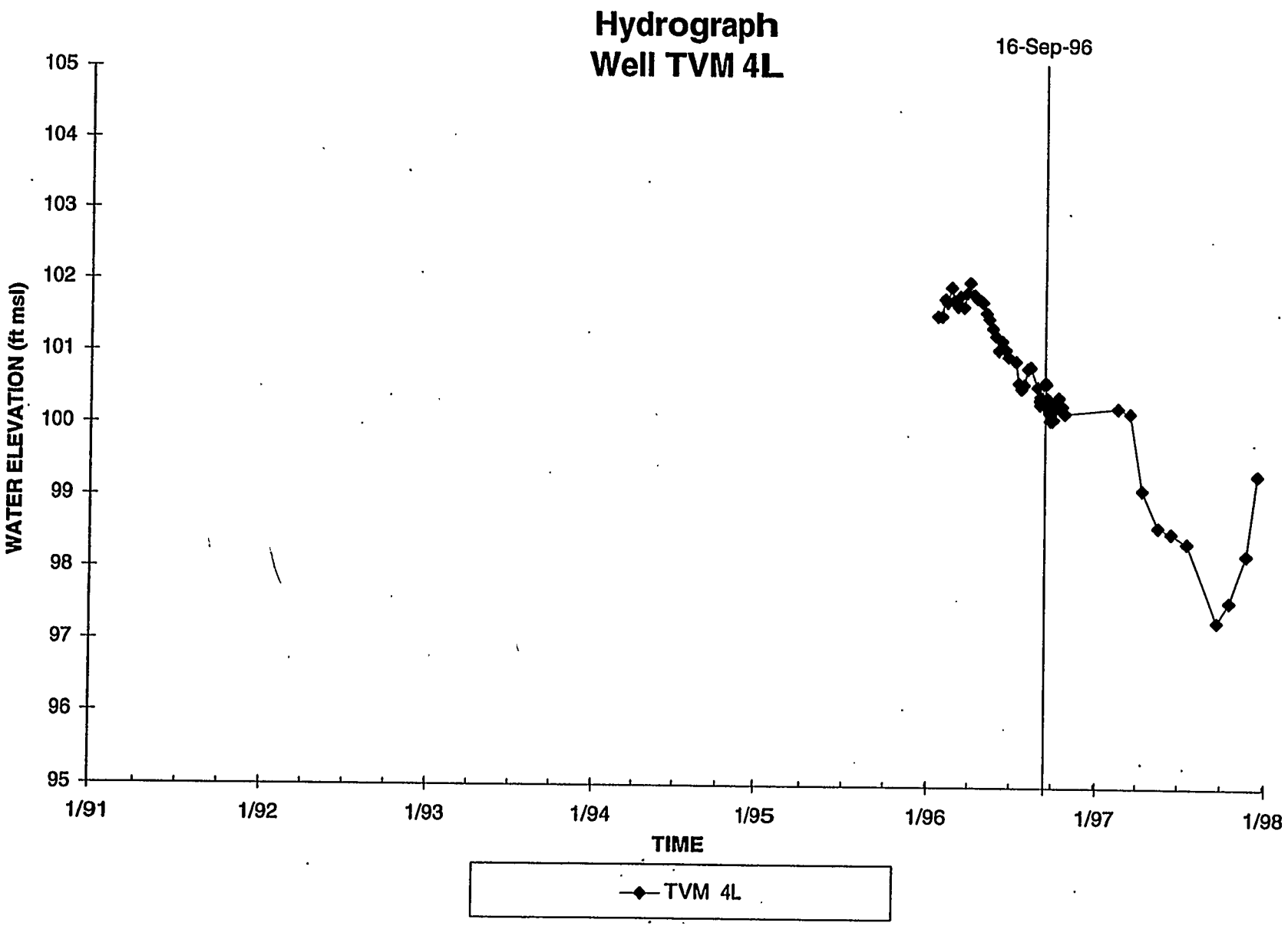

Hydrograph
Well TVM 3U
16-Sep-96
WATER ELEVATION (ft msl)
110
109
108
107
106
105
104
103
102
101
100
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 3U

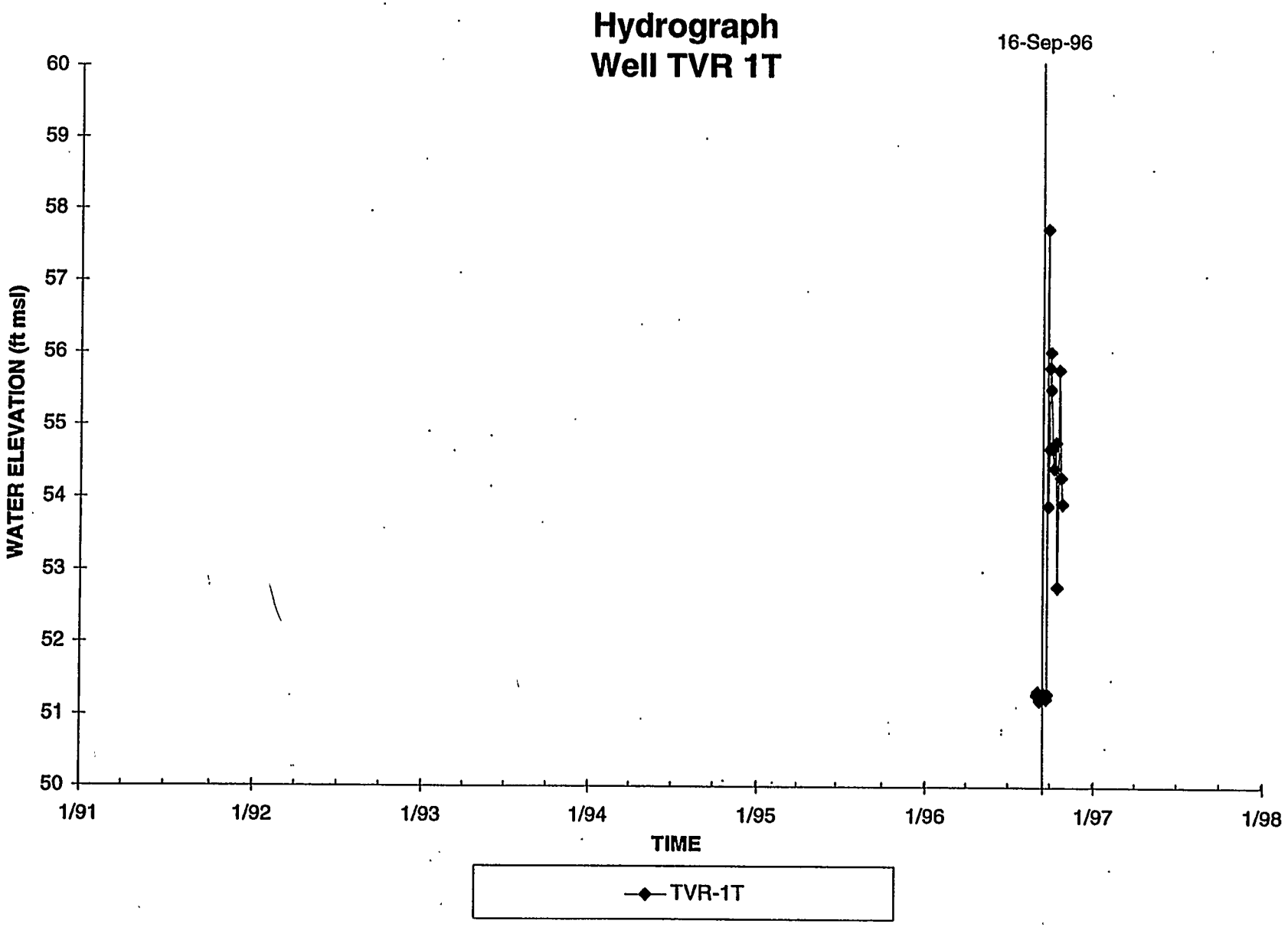

Hydrograph
Well TVM 3M
16-Sep-96
WATER ELEVATION (ft msl)
105
104
103
102
101
100
99
98
97
96
95
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 3M

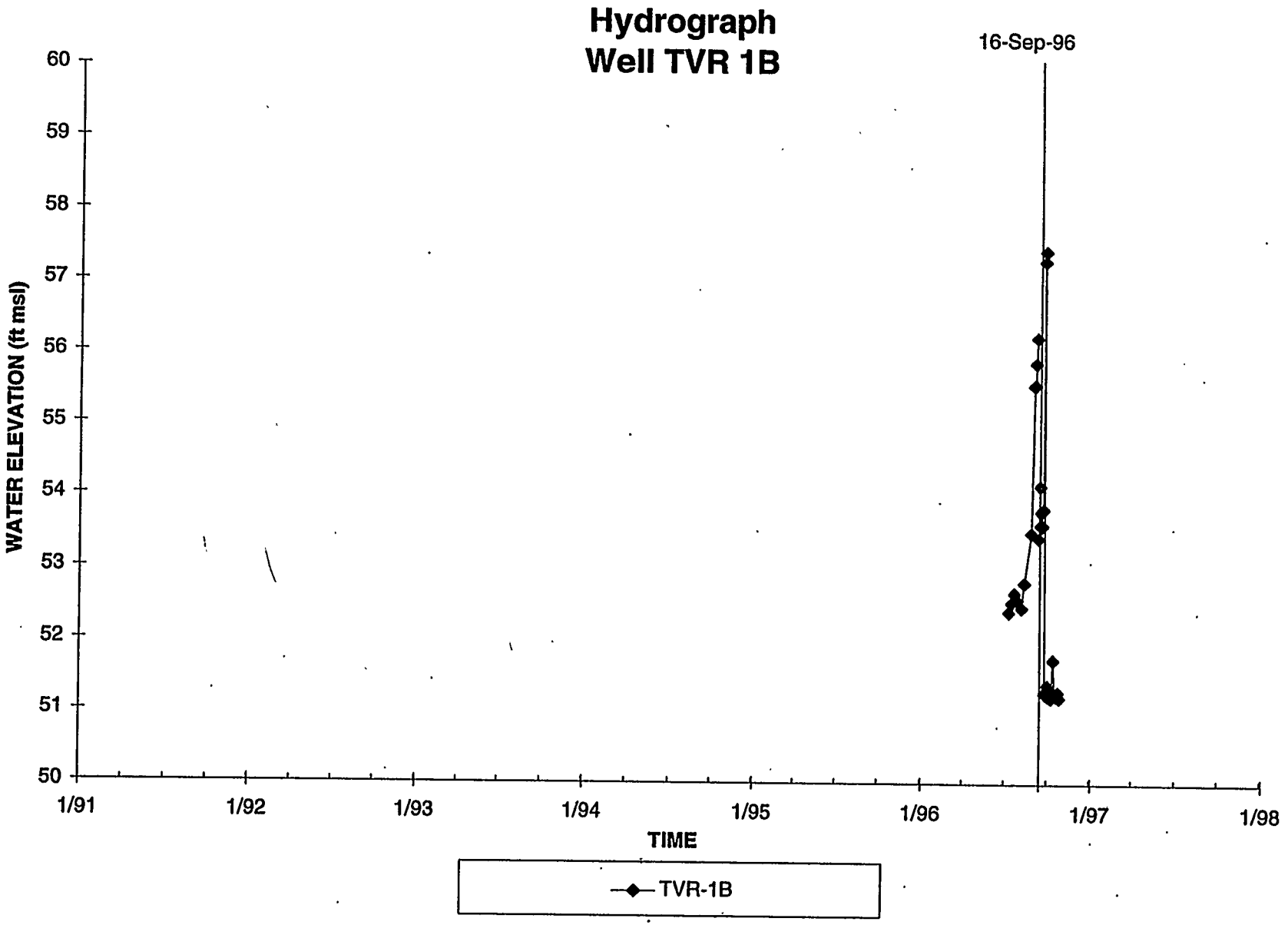

Hydrograph
Well TVM 3L
16-Sep-96
105
104
103
102
101
100
99
98
97
96
95
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 3L

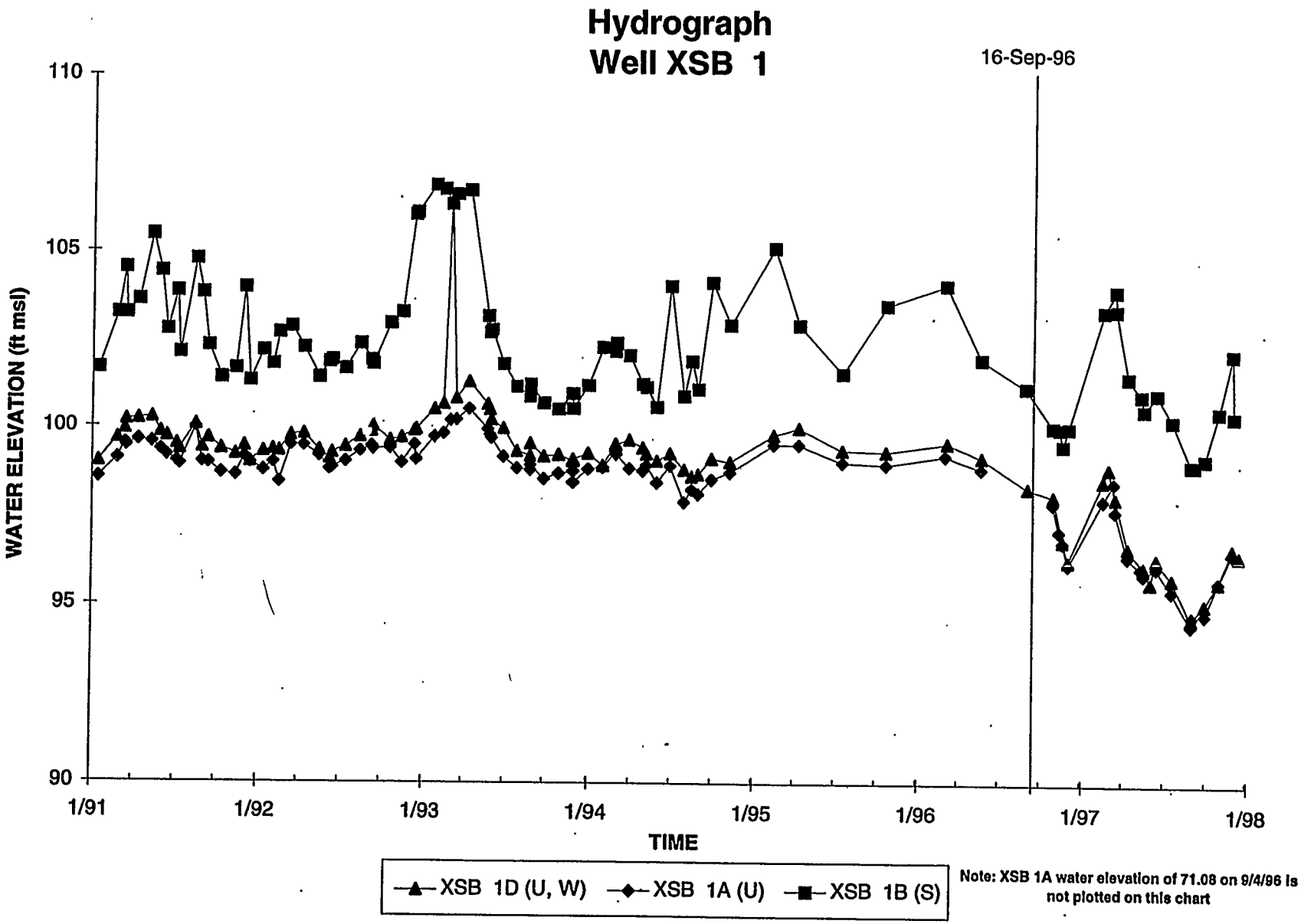

Hydrograph
Well TVM 4U
16-Sep-96
WATER ELEVATION (ft msl)
110
109
108
107
106
105
104
103
102
101
100
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 4U


Hydrograph
Well TVM 4M
16-Sep-96
WATER ELEVATION (ft msl)
105
104
103
102
101
100
99
98
97
96
95
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 4M


Hydrograph
Well TVM 4L
16-Sep-96
WATER ELEVATION (ft msl)
105
104
103
102
101
100
99
98
97
96
95
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVM 4L

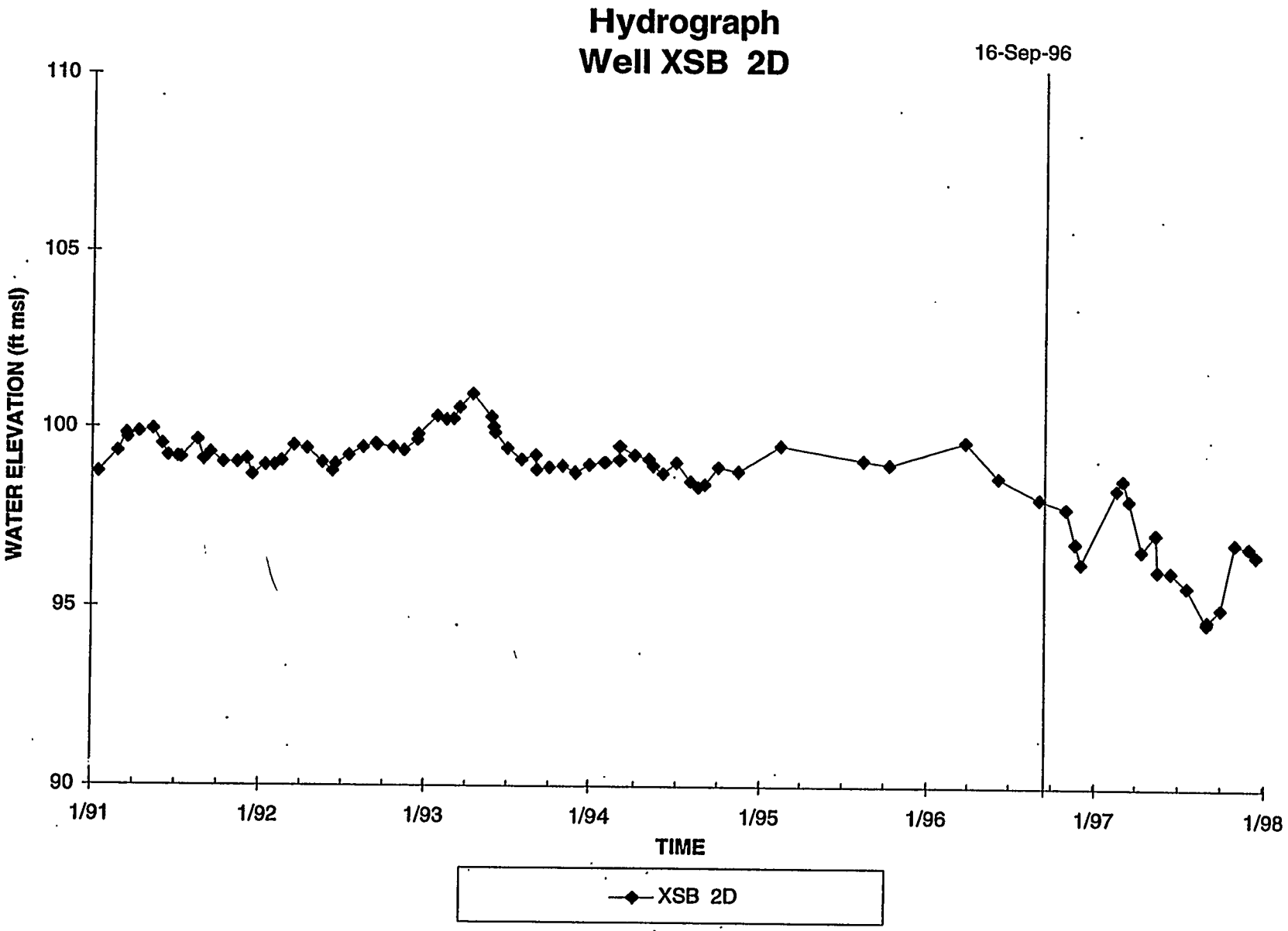

Hydrograph
Well TVR 1T
16-Sep-96
WATER ELEVATION (ft msl)
60
59
58
57
56
55
54
53
52
51
50
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVR-1T

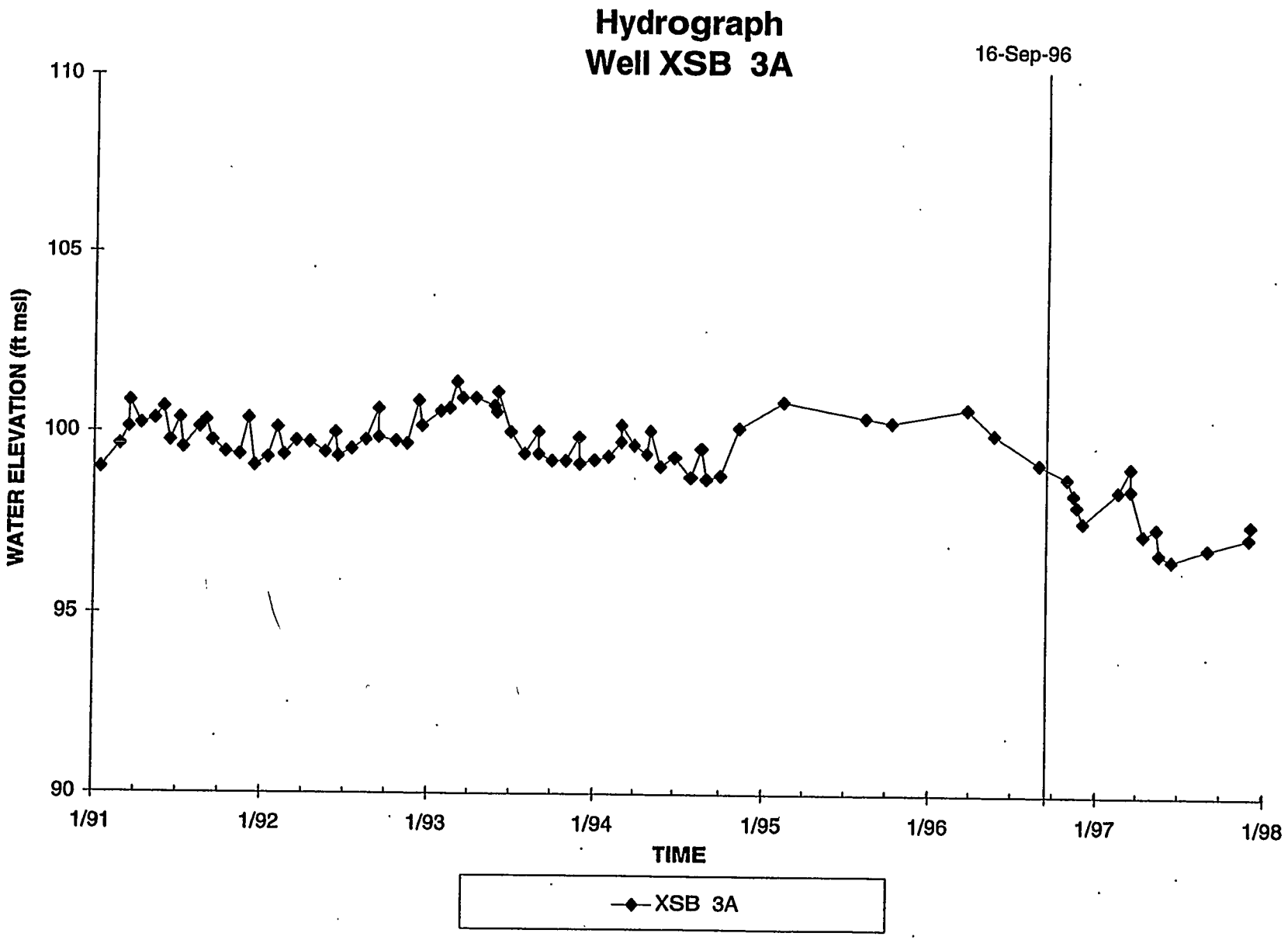

Hydrograph
Well TVR 1B
16-Sep-96
WATER ELEVATION (ft msl)
60
59
58
57
56
55
54
53
52
51
50
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
TVR-1B

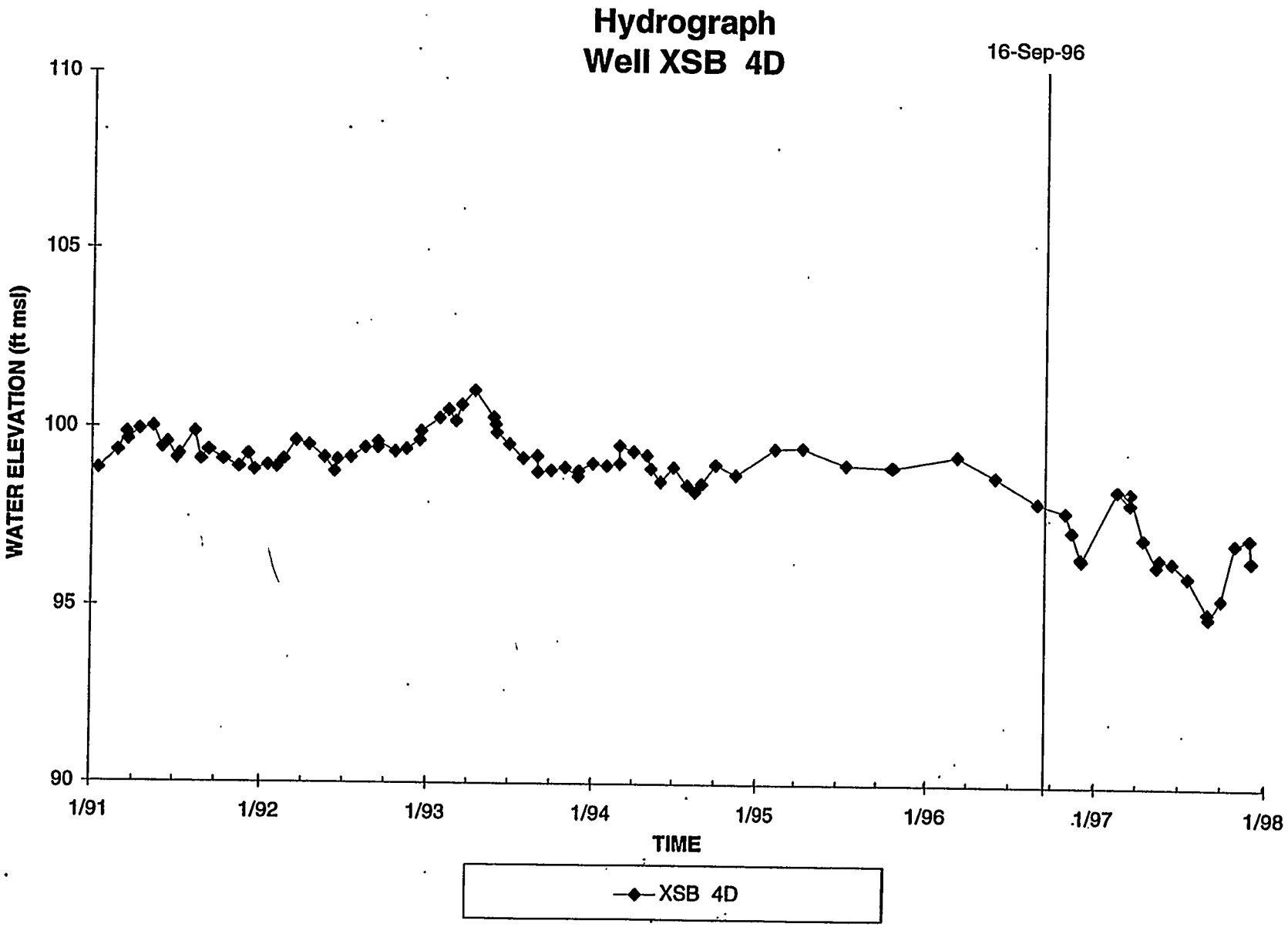


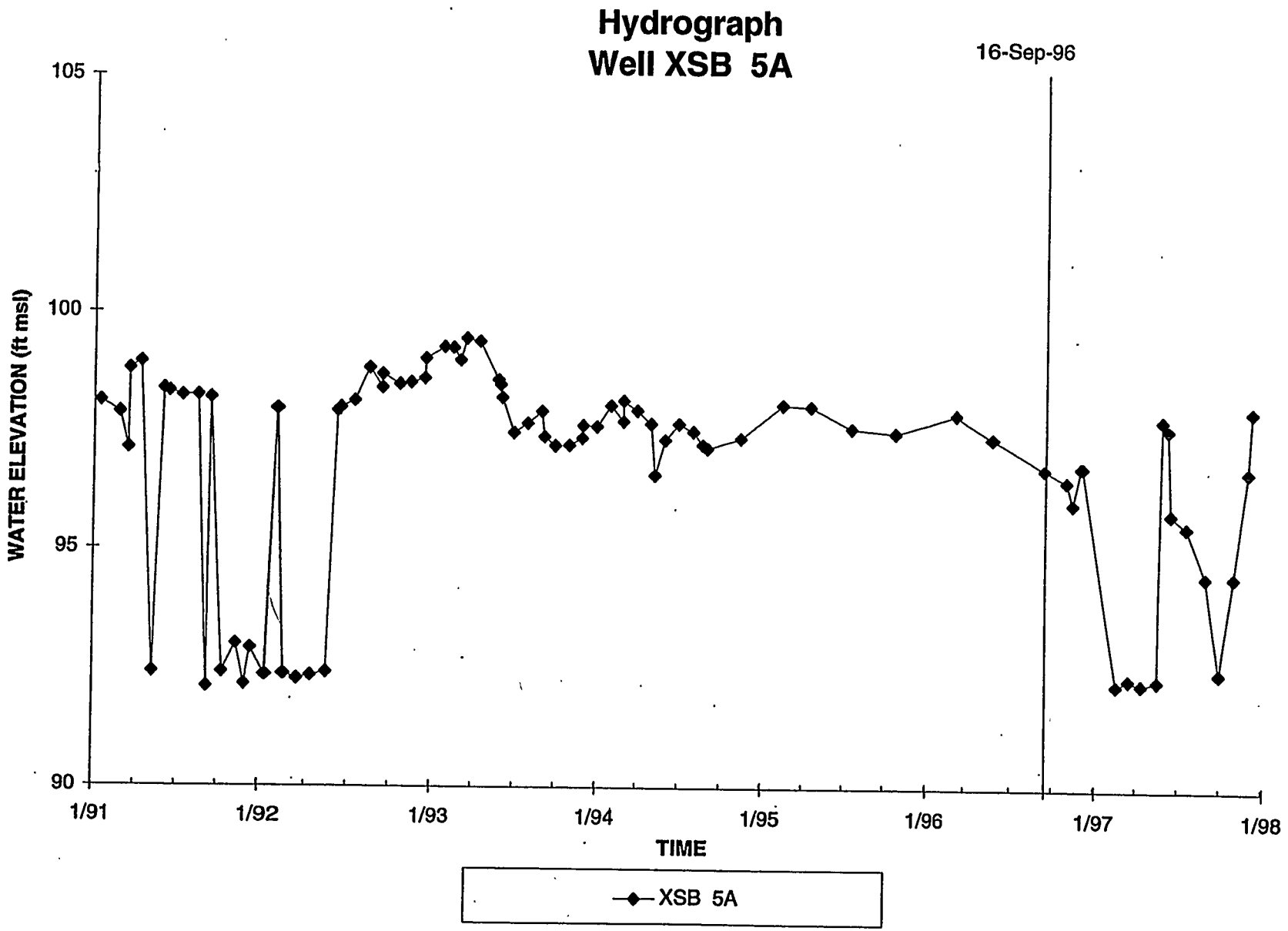
Note: XSB 1A water elevation of 71.08 on 9/4/96 is not plotted on this chart

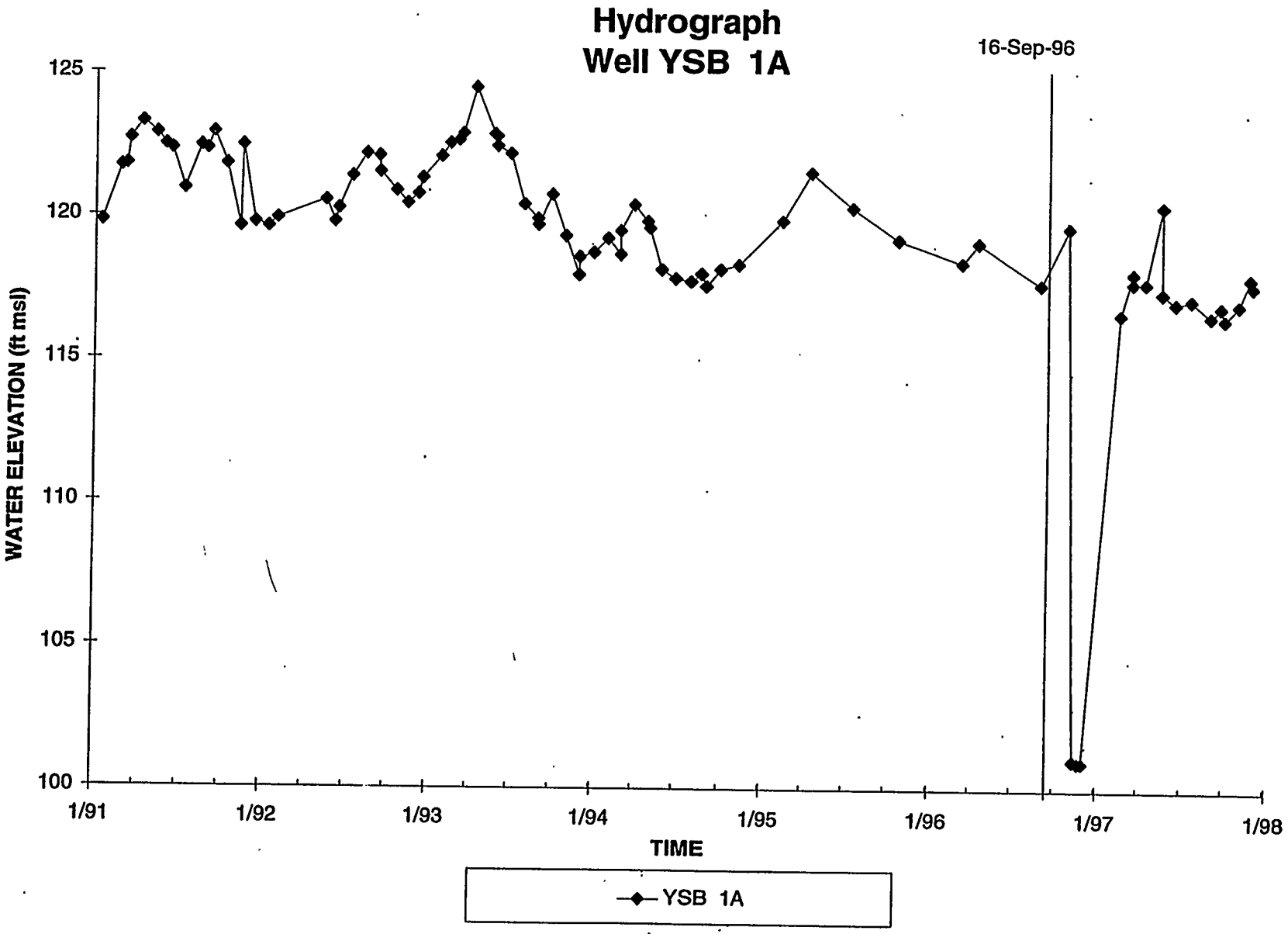
Note: W=Water Table; U=Unconfined Aquifer Zone; S=Semi-Confined Aquifer Zone

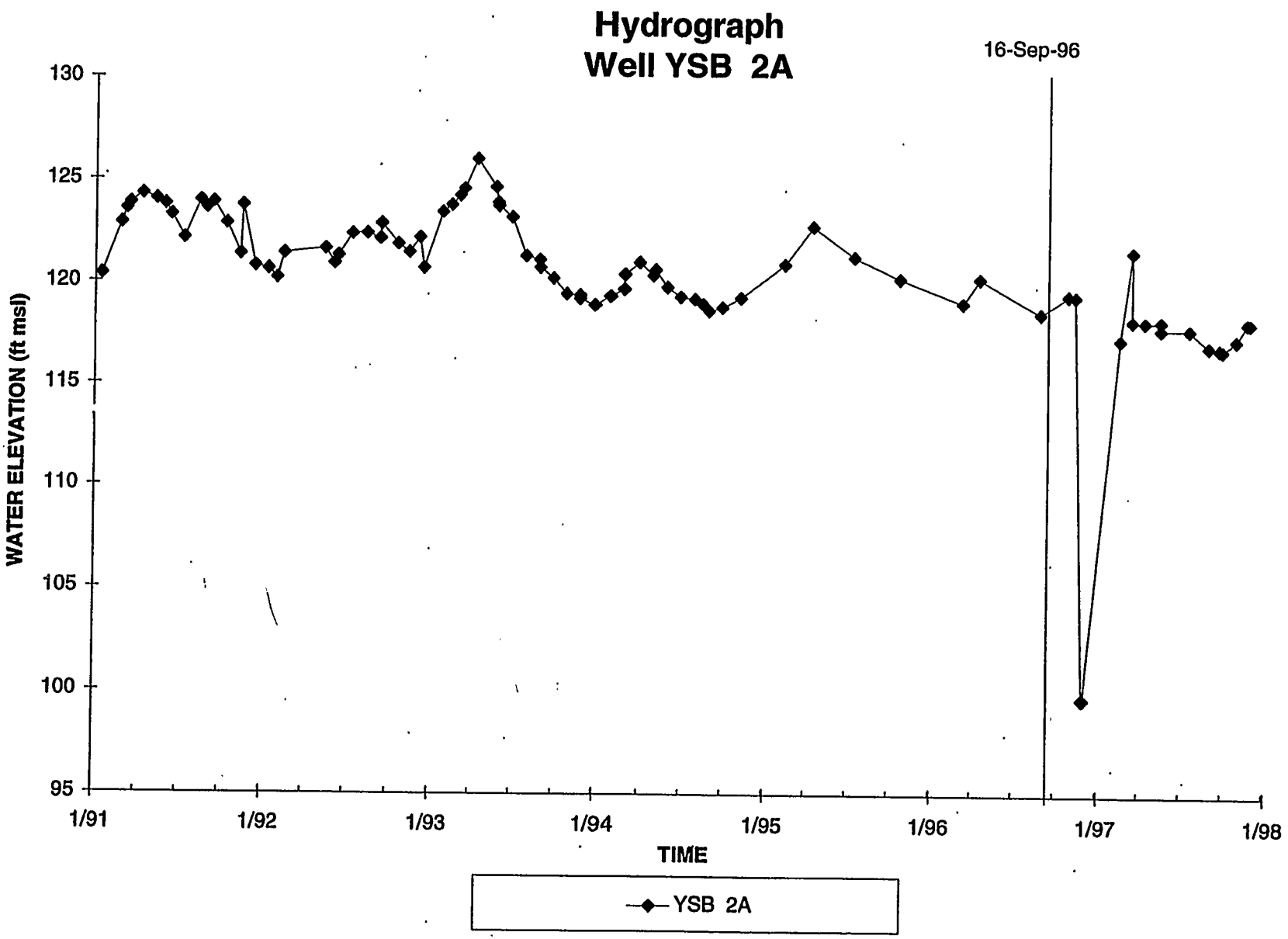

Hydrograph
Well XSB 2D
16-Sep-96
110
105
100
95
90
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
XSB 2D

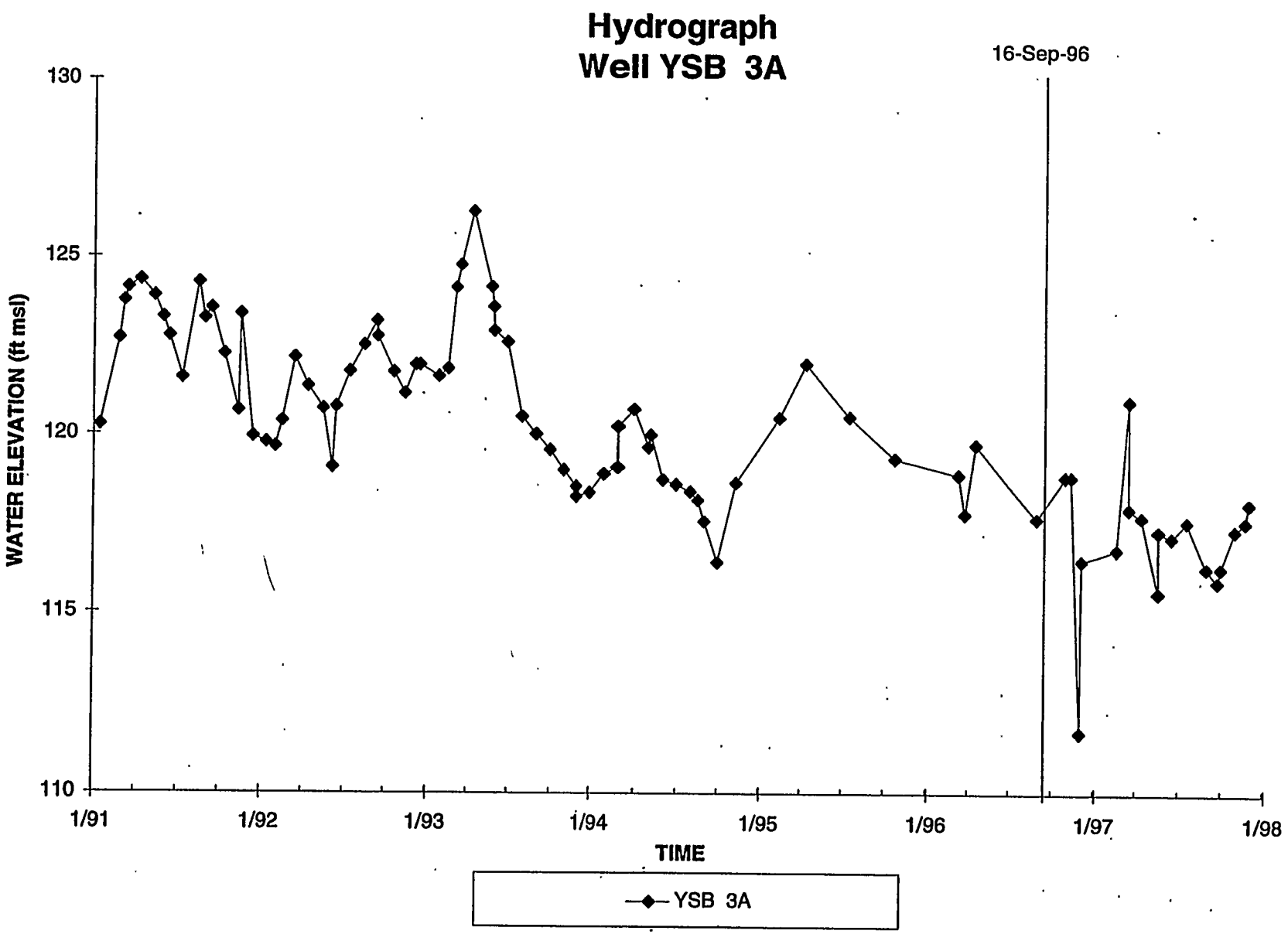

Hydrograph
Well XSB 3A
16-Sep-96
110
105
100
95
90
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
XSB 3A

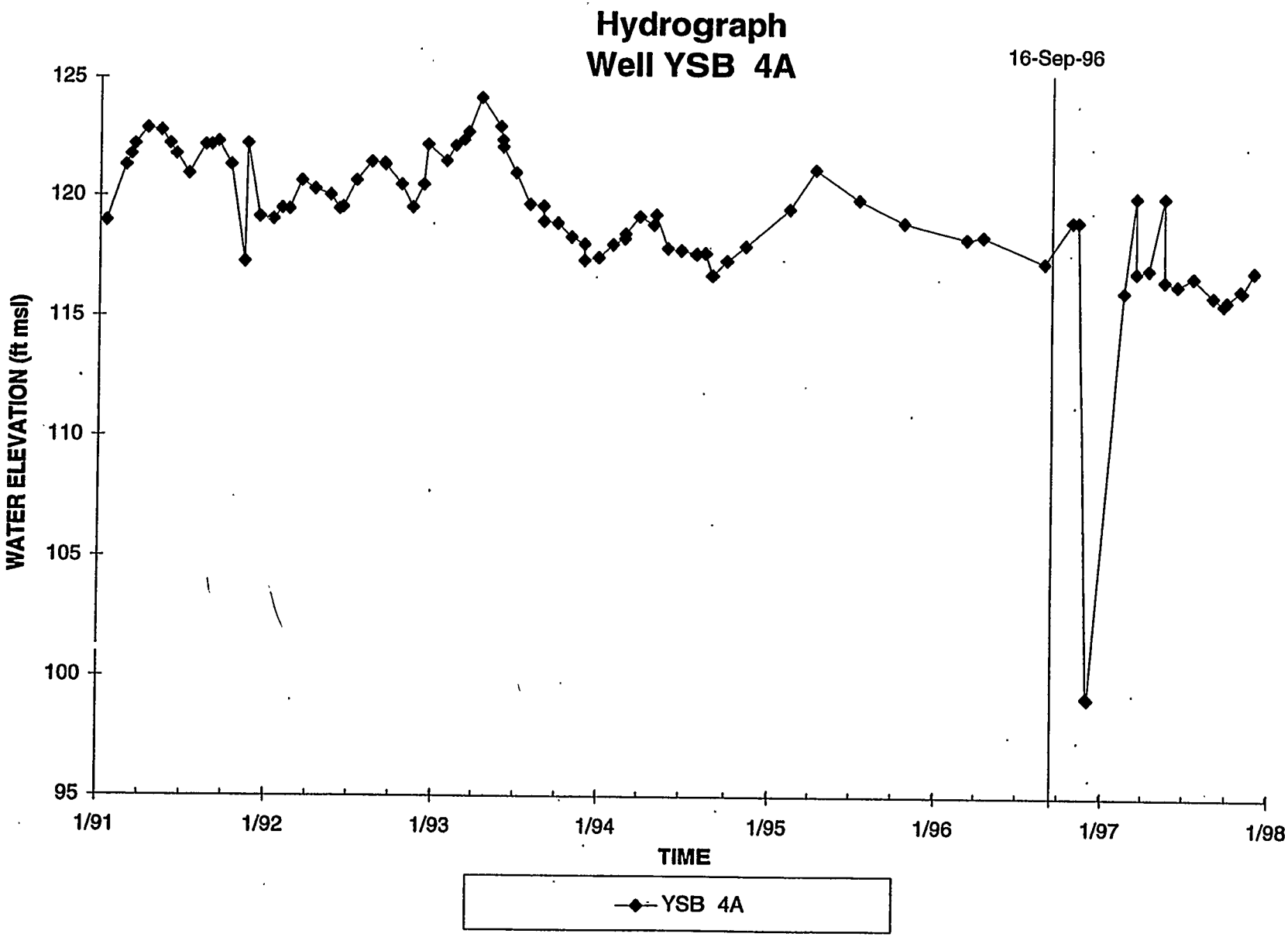

Hydrograph
Well XSB 4D
16-Sep-96
110
105
100
95
90
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
XSB 4D


Hydrograph
Well XSB 5A
16-Sep-96
105
100
95
90
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
XSB 5A


Hydrograph
Well YSB 1A
16-Sep-96
125
120
115
110
105
100
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
YSB 1A


Hydrograph
Well YSB 2A
16-Sep-96
130
125
120
115
110
105
100
95
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
YSB 2A


Hydrograph
Well YSB 3A
16-Sep-96
130
125
120
115
110
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
YSB 3A


Hydrograph
Well YSB 4A
16-Sep-96
125
120
115
110
105
100
95
WATER ELEVATION (ft msl)
1/91
1/92
1/93
1/94
1/95
1/96
1/97
1/98
TIME
YSB 4A

Appendix E

Time Series Plots

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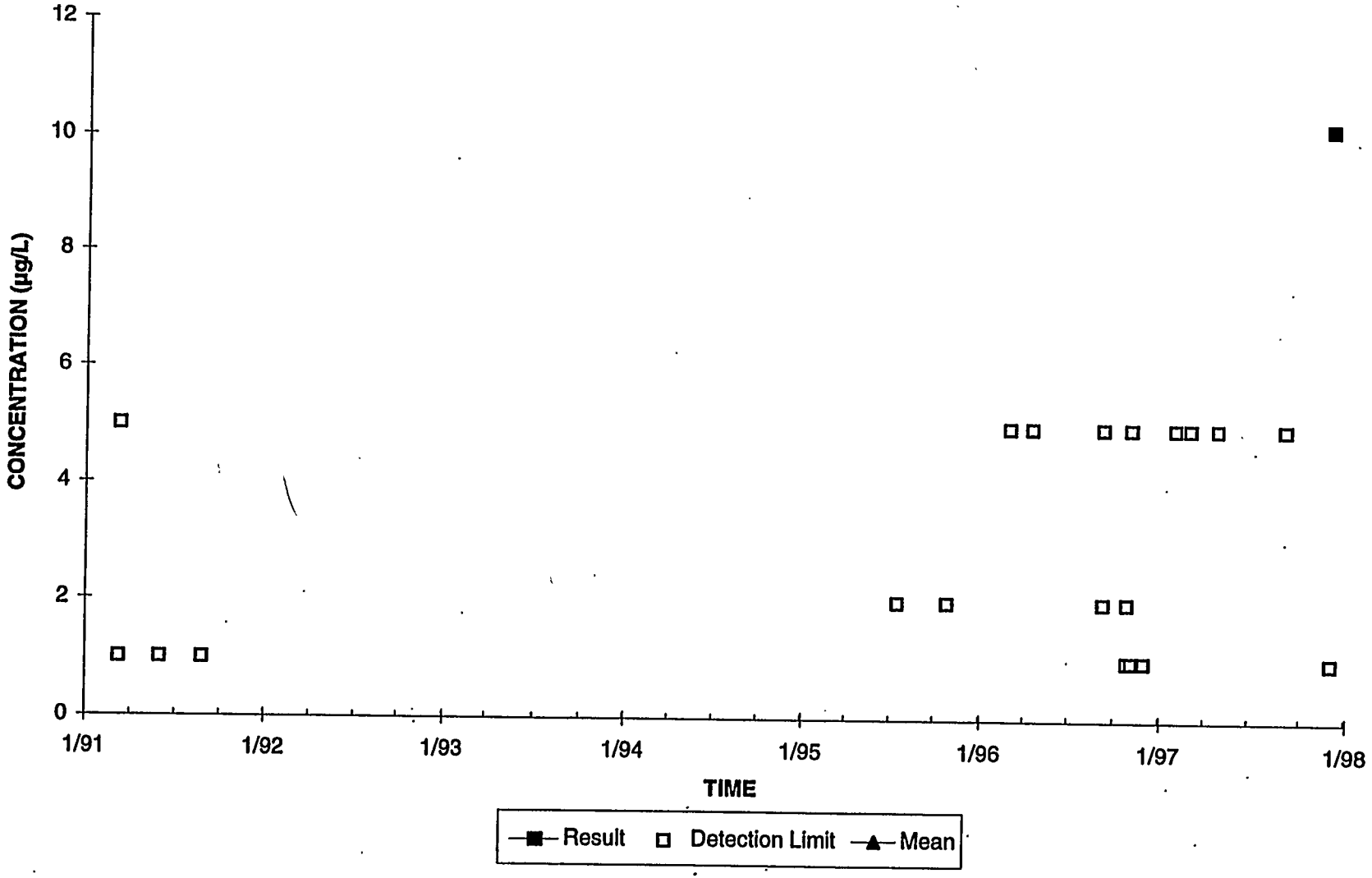
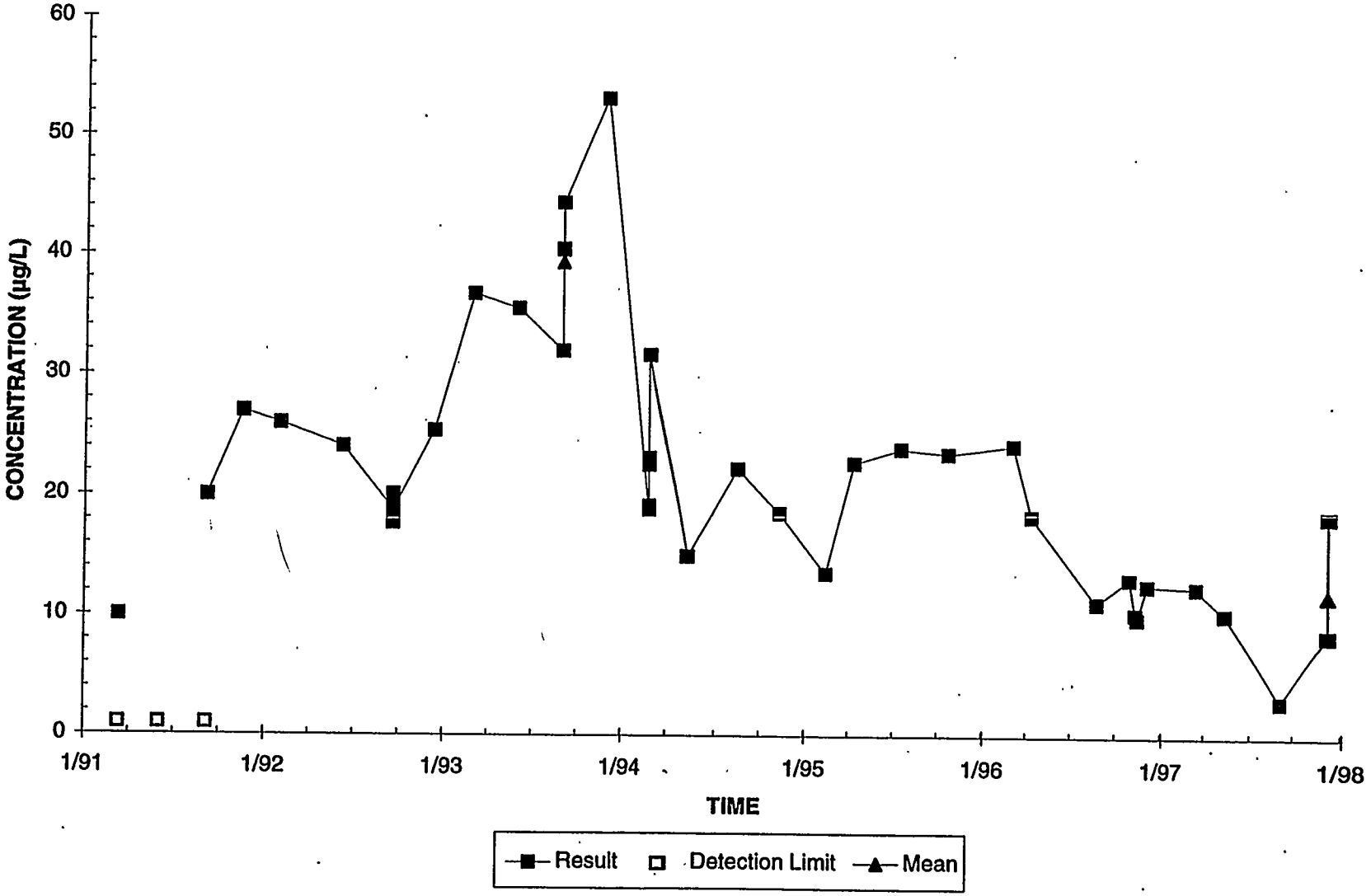
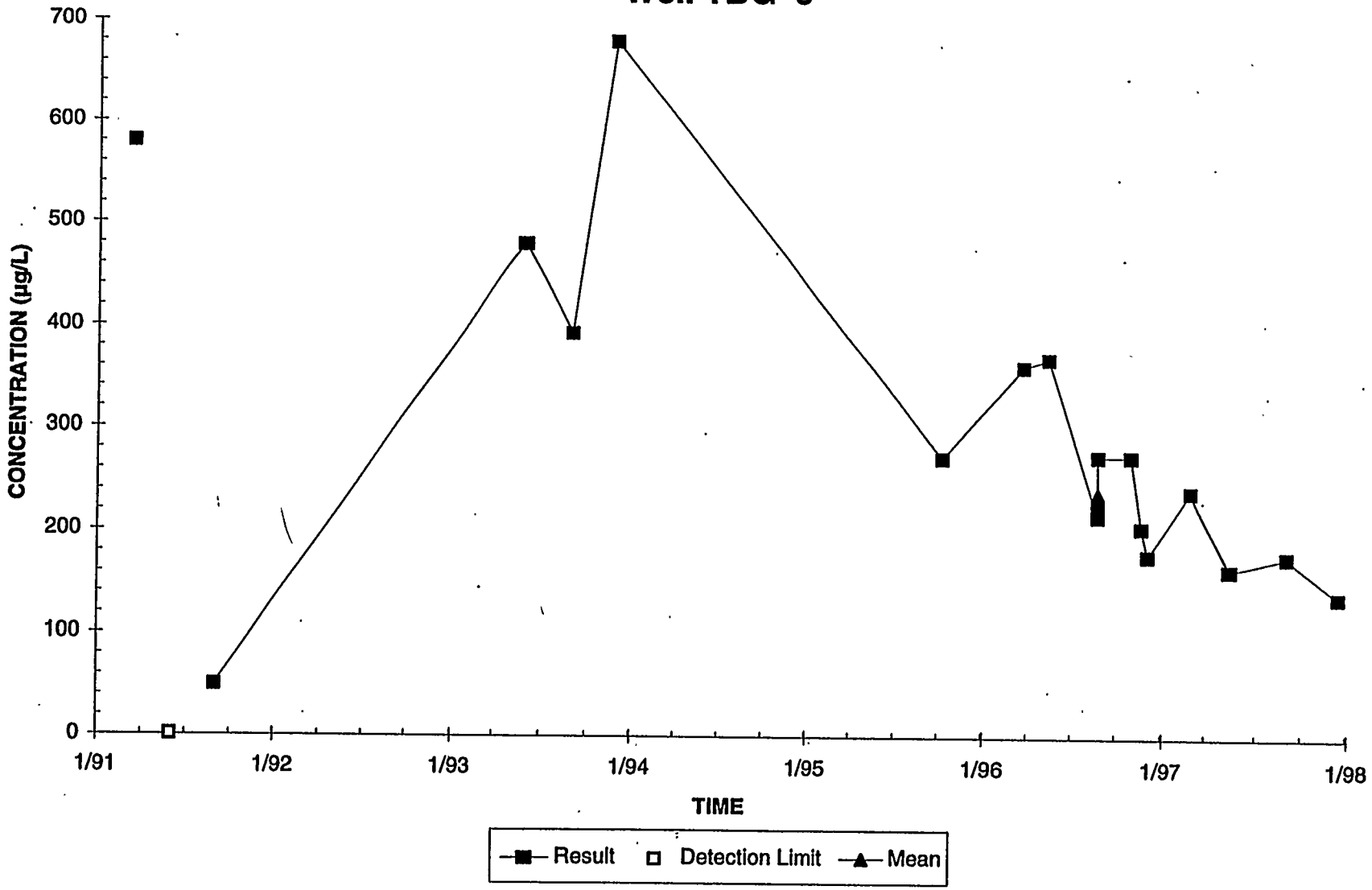
Carbon Tetrachloride Concentrations
Well P 26A



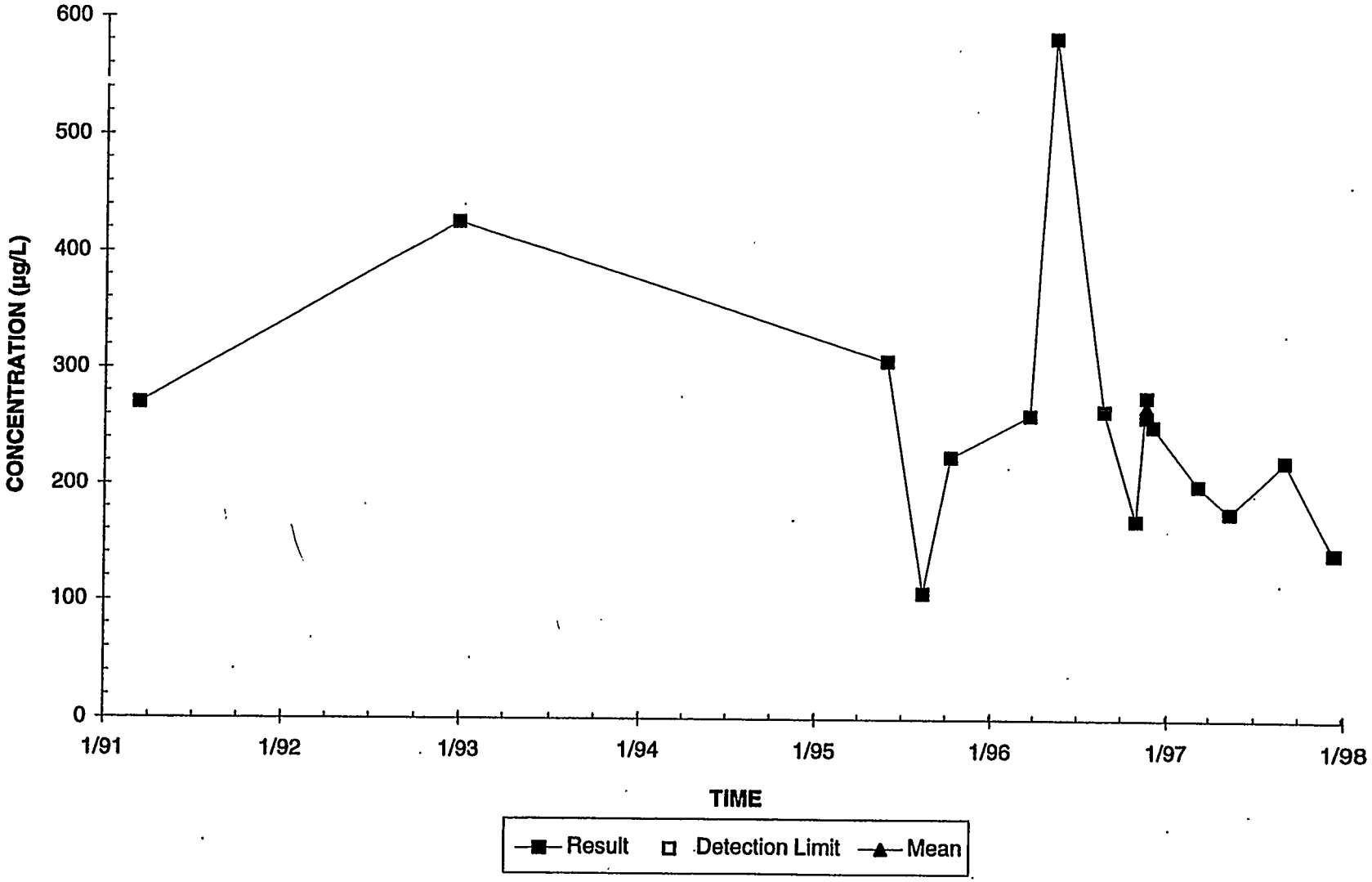
Carbon Tetrachloride Concentrations
Well TBG 1



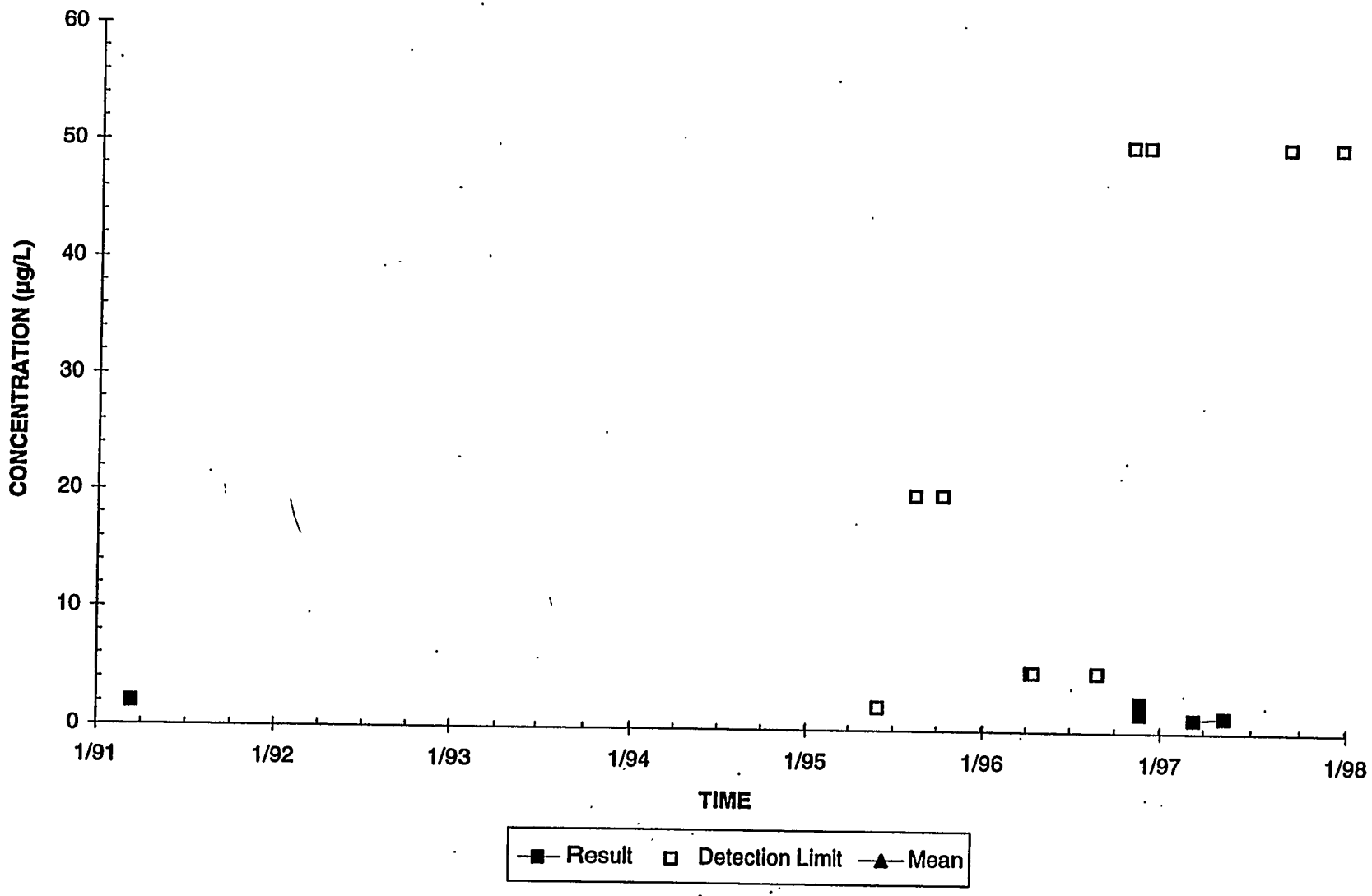
Carbon Tetrachloride Concentrations
Well TBG 3



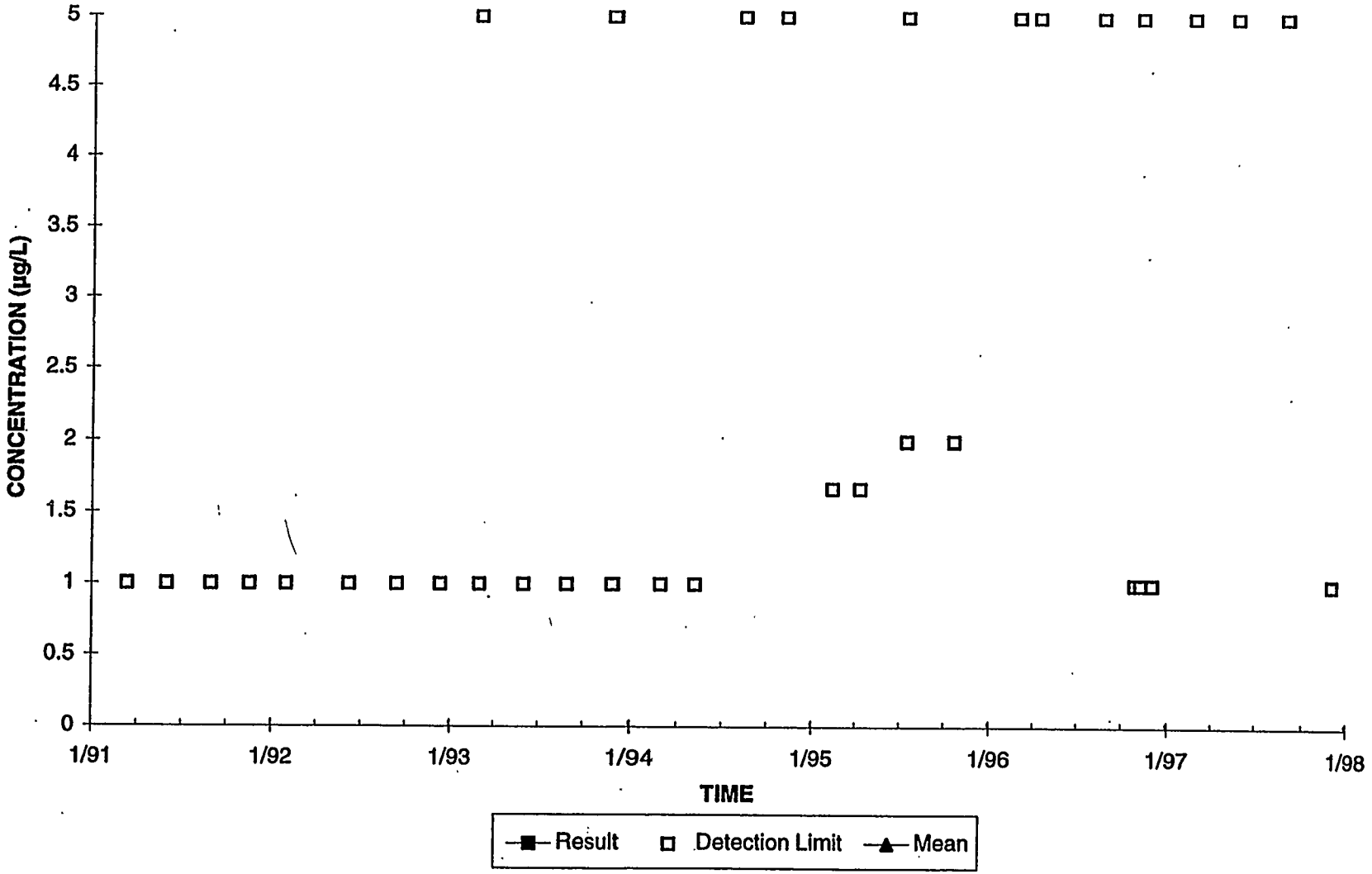
Carbon Tetrachloride Concentrations
Well TBG 4



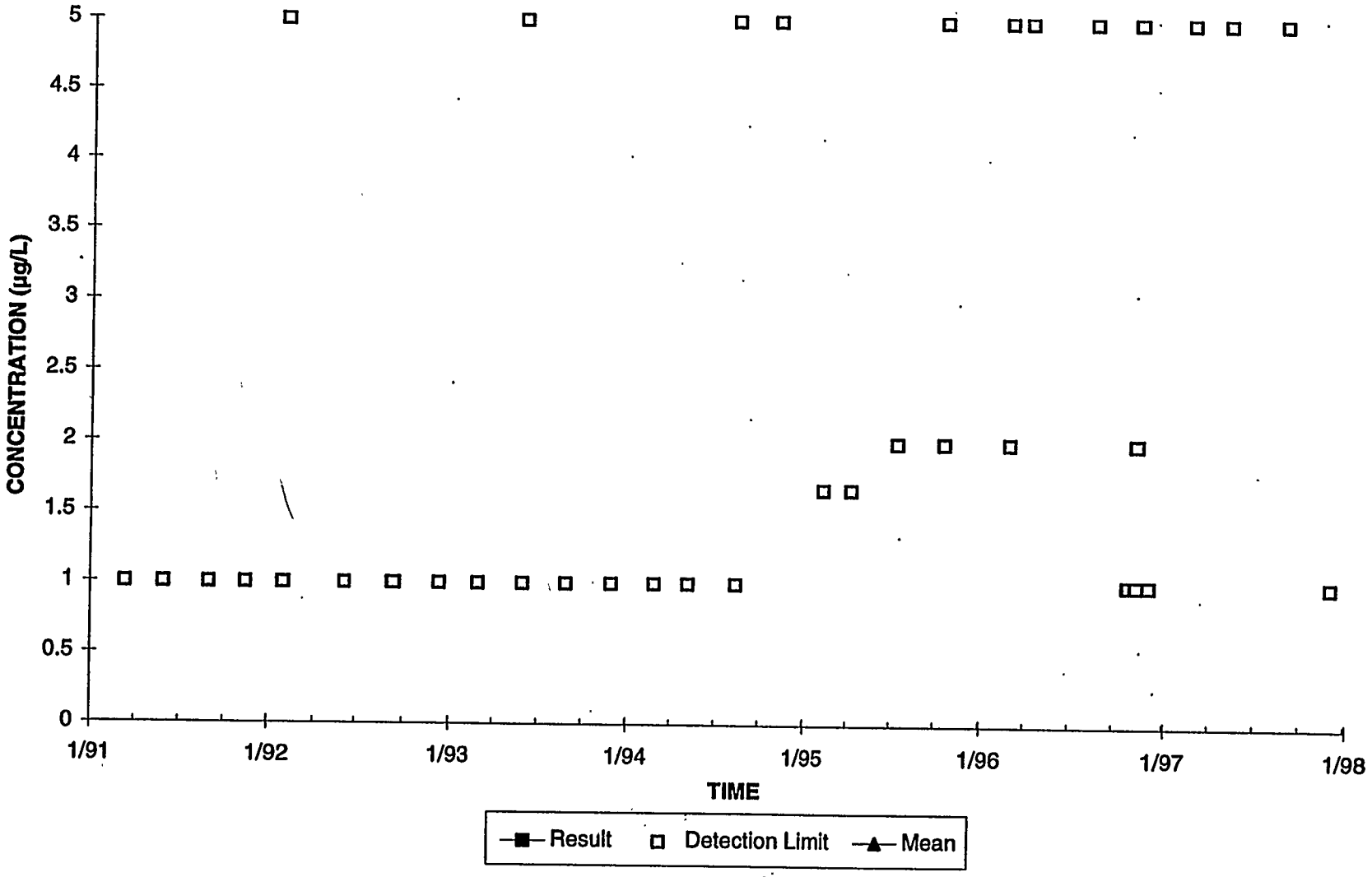
Carbon Tetrachloride Concentrations
Well TBG 5



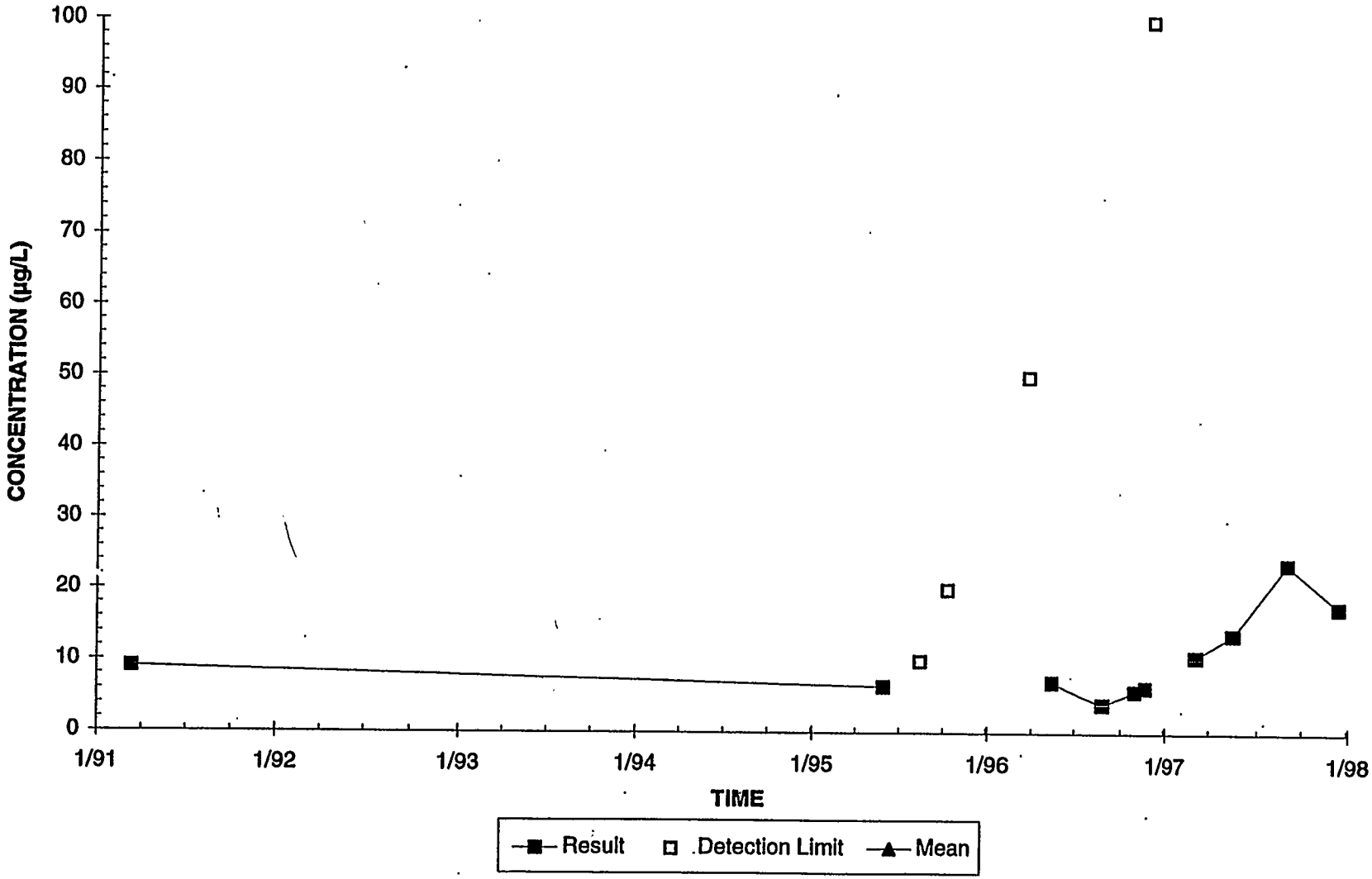
Carbon Tetrachloride Concentrations
Well TBG 5A



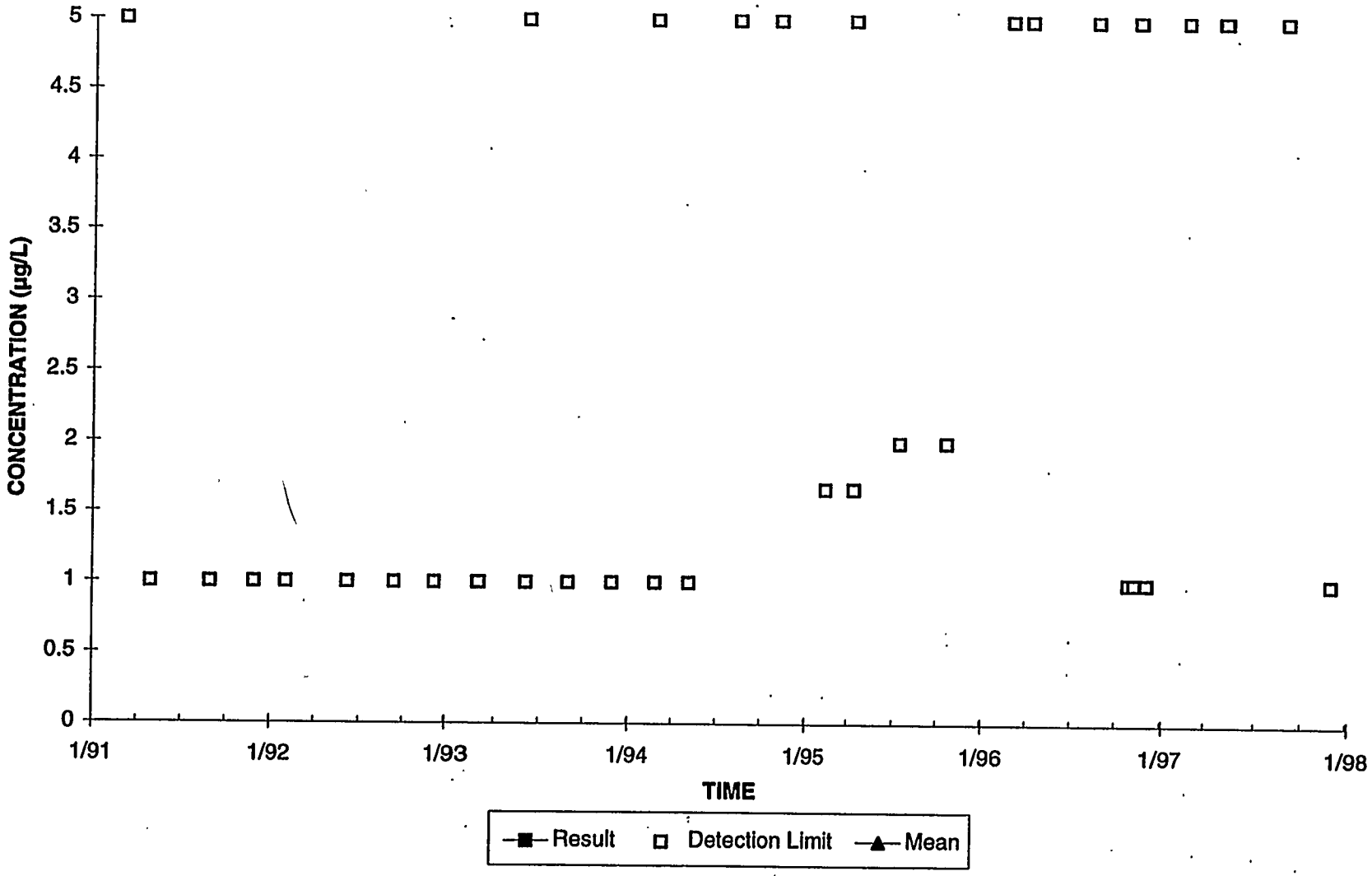
Carbon Tetrachloride Concentrations
Well TBG 5B



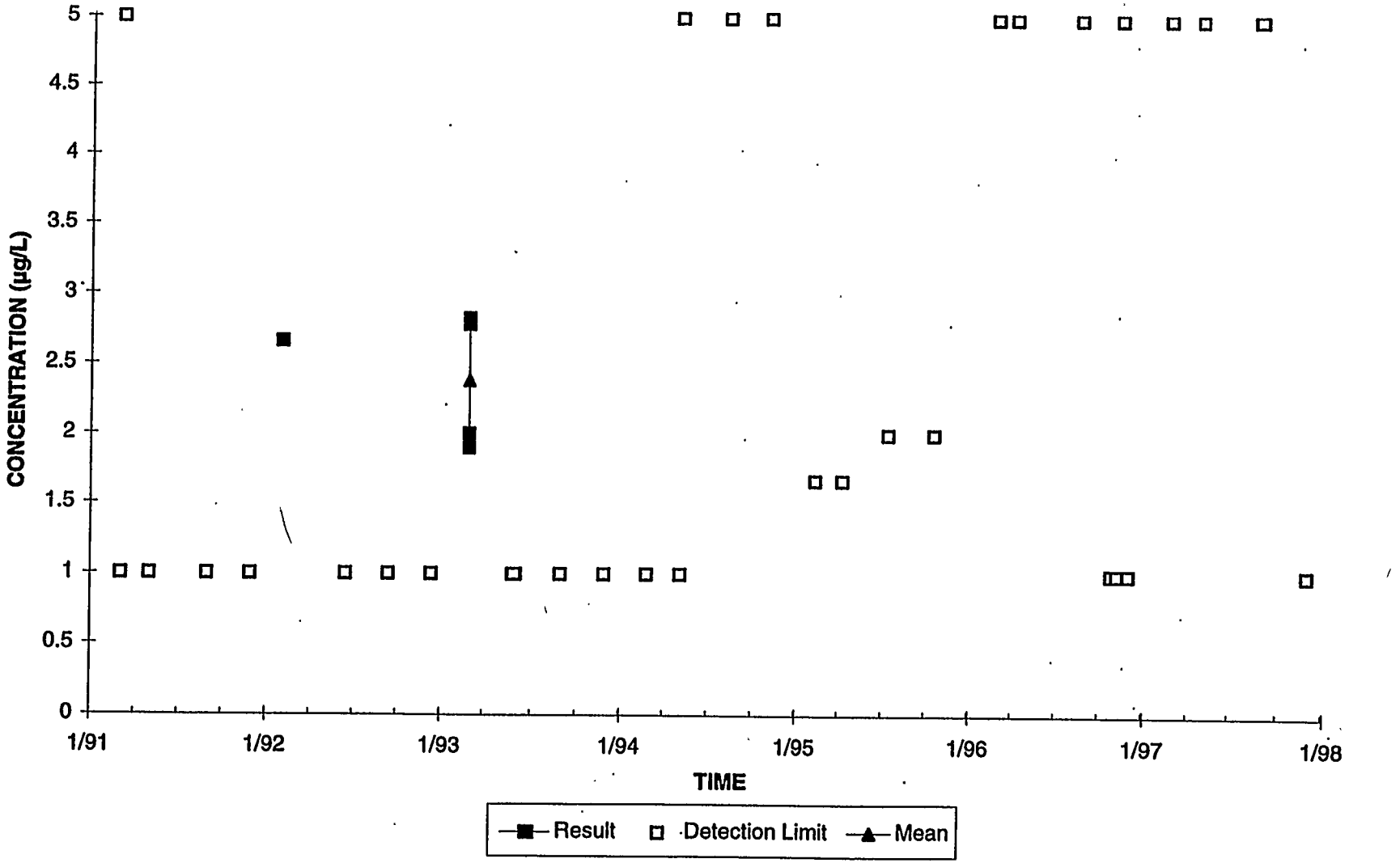
Carbon Tetrachloride Concentrations
Well TBG 6



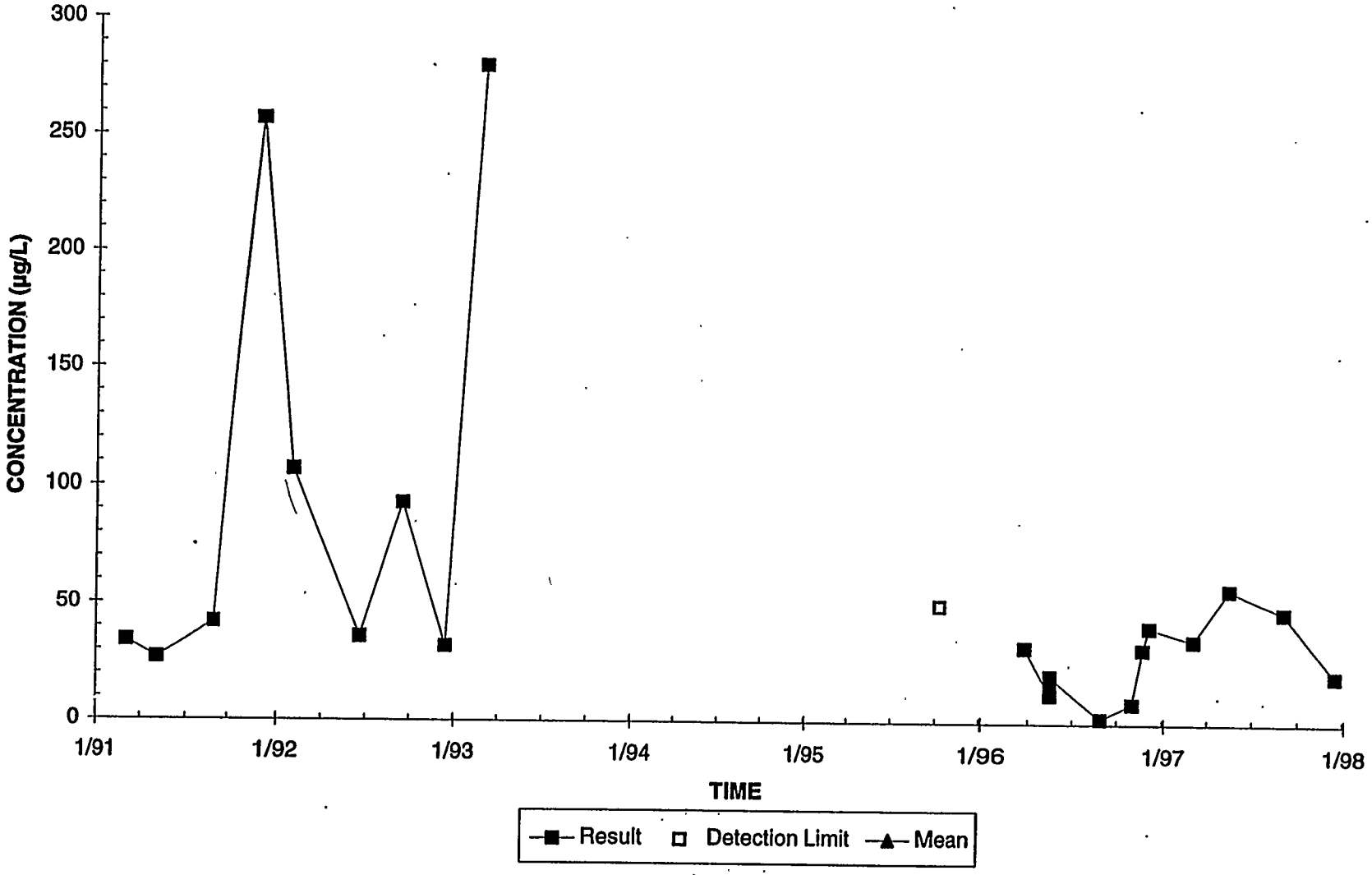
Carbon Tetrachloride Concentrations
Well TNX 1D



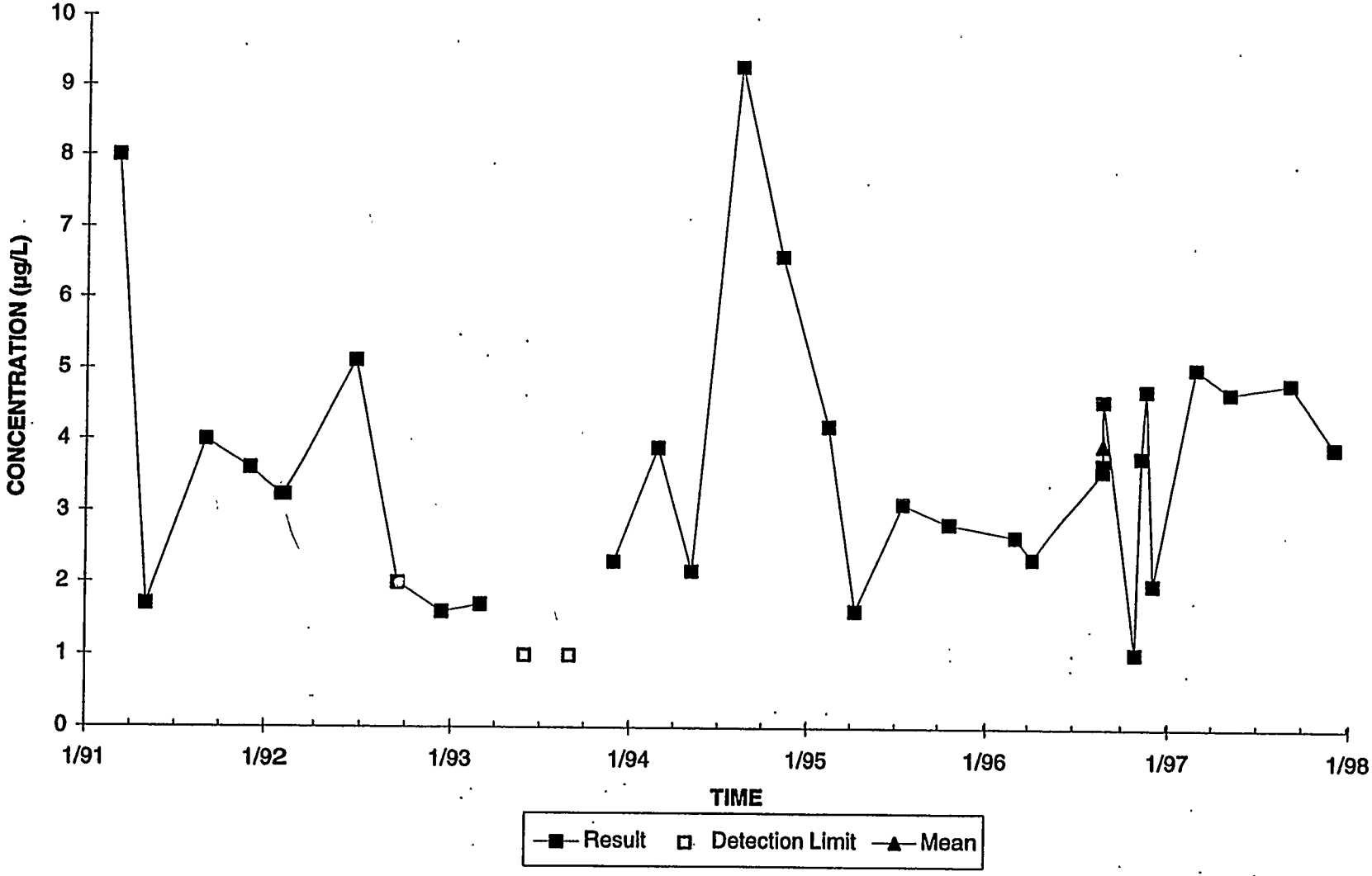
Carbon Tetrachloride Concentrations
Well TNX 2D



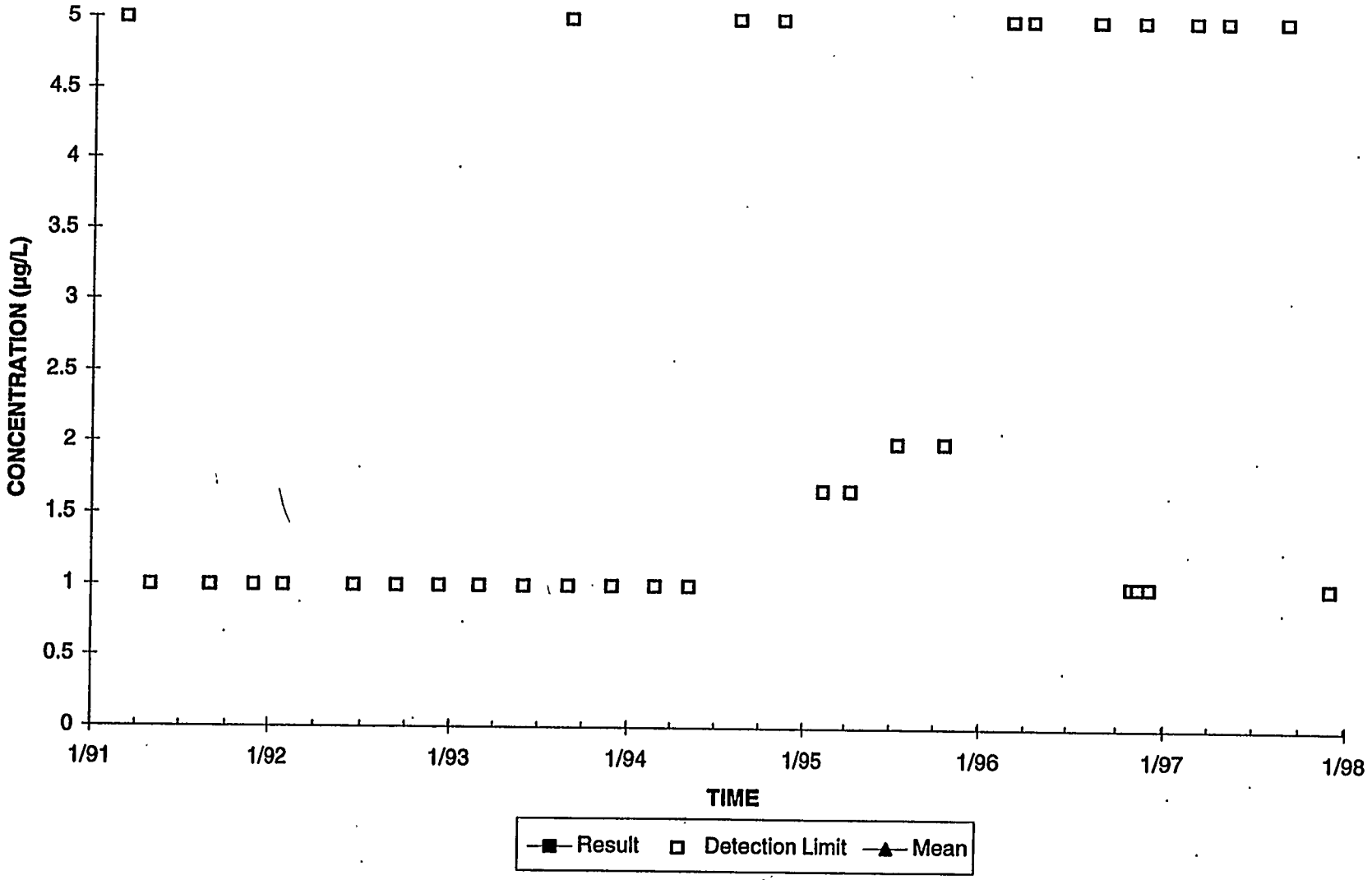
Carbon Tetrachloride Concentrations
Well TNX 3D



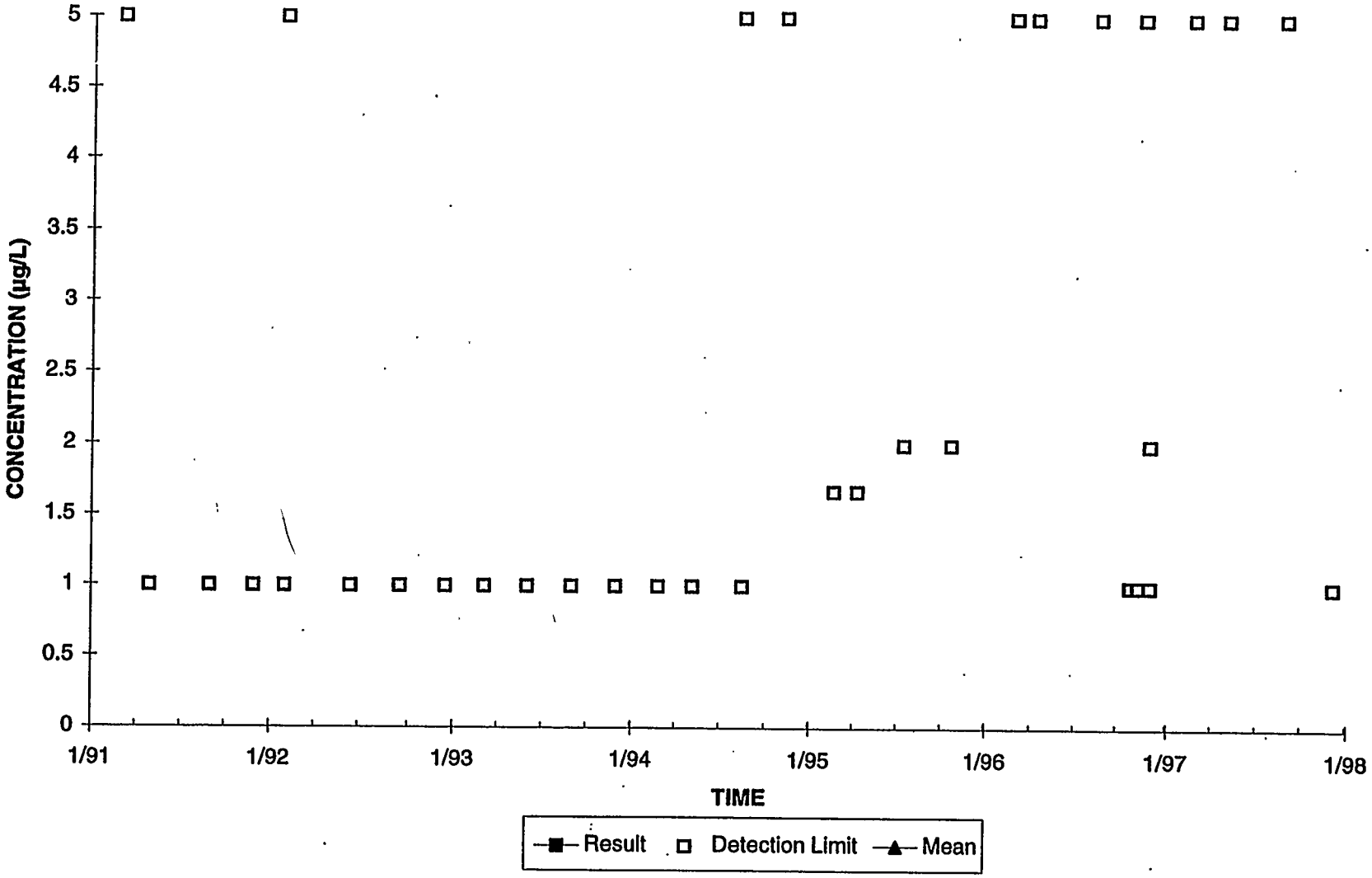
Carbon Tetrachloride Concentrations
Well TNX 4D



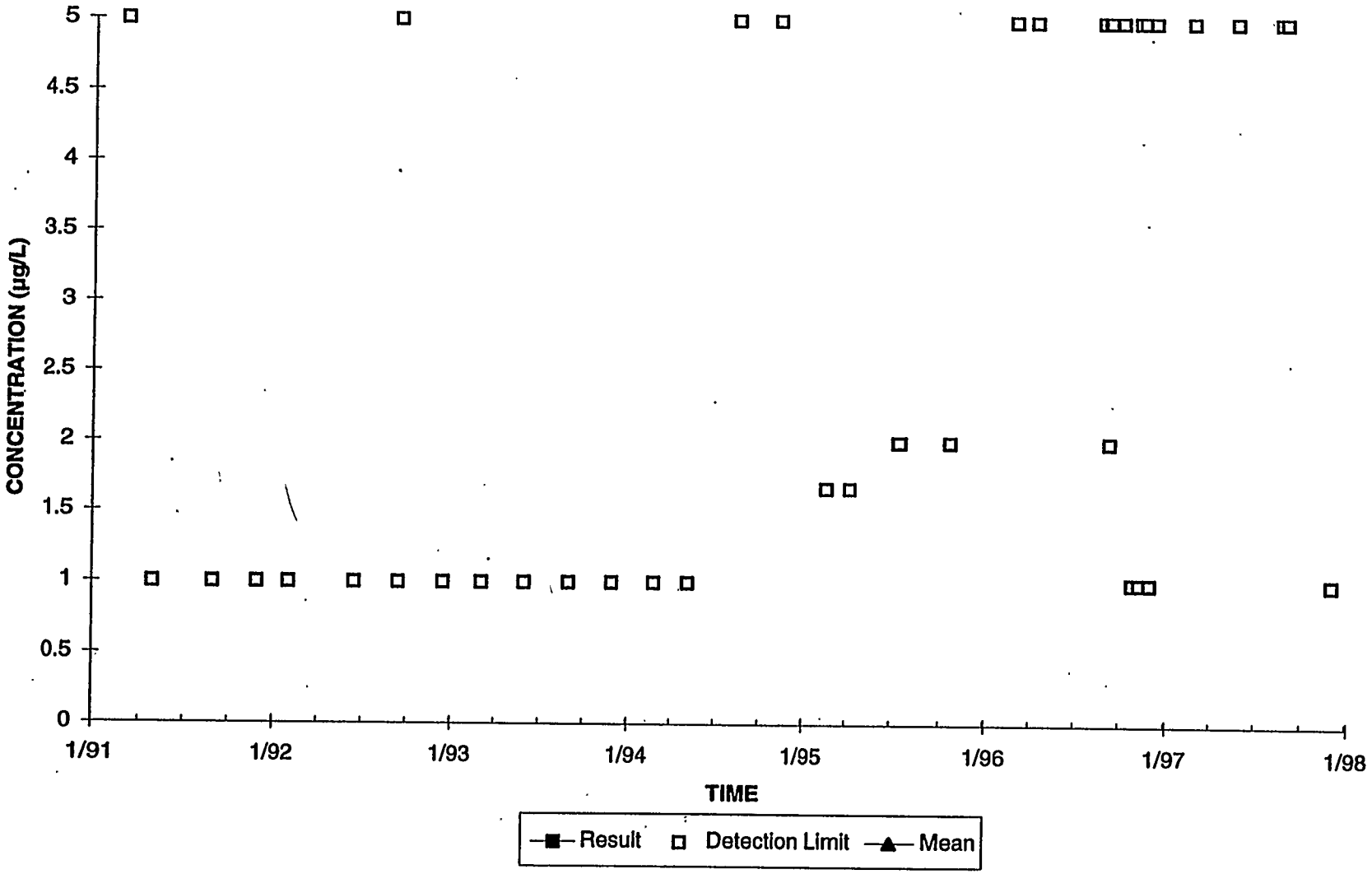
Carbon Tetrachloride Concentrations
Well TNX 7D



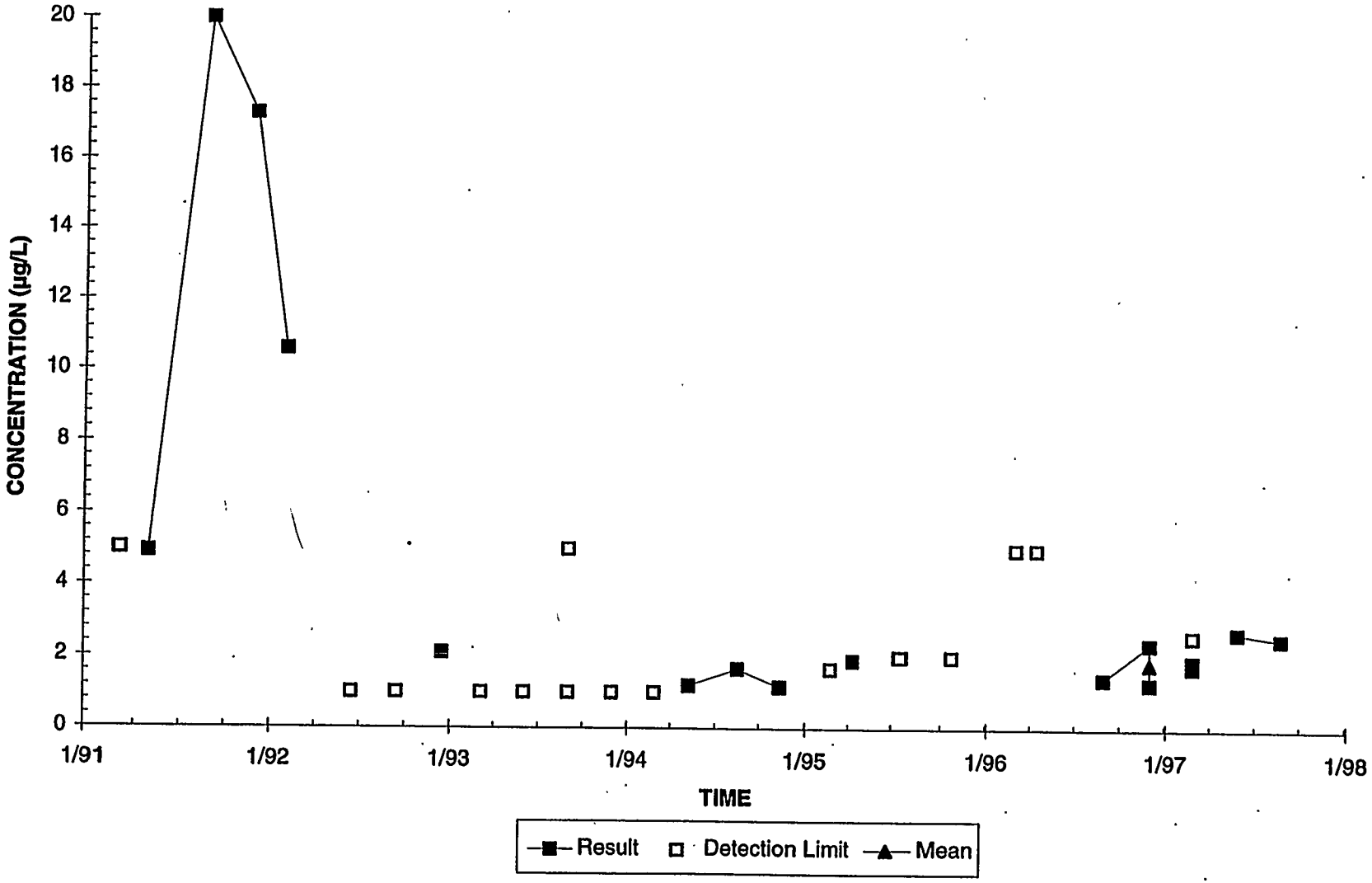
Carbon Tetrachloride Concentrations
Well TNX 8D



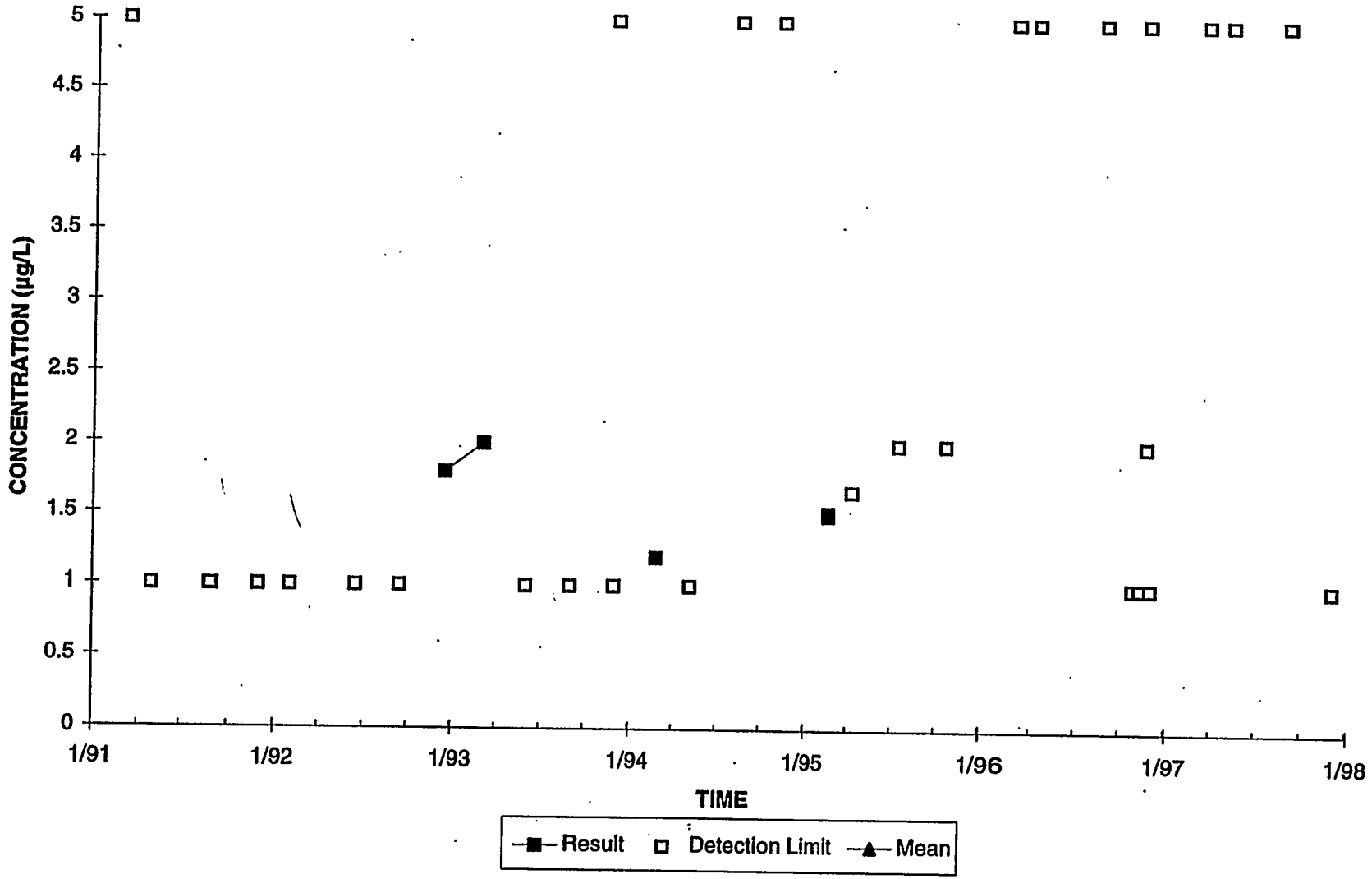
Carbon Tetrachloride Concentrations
Well TNX 9D



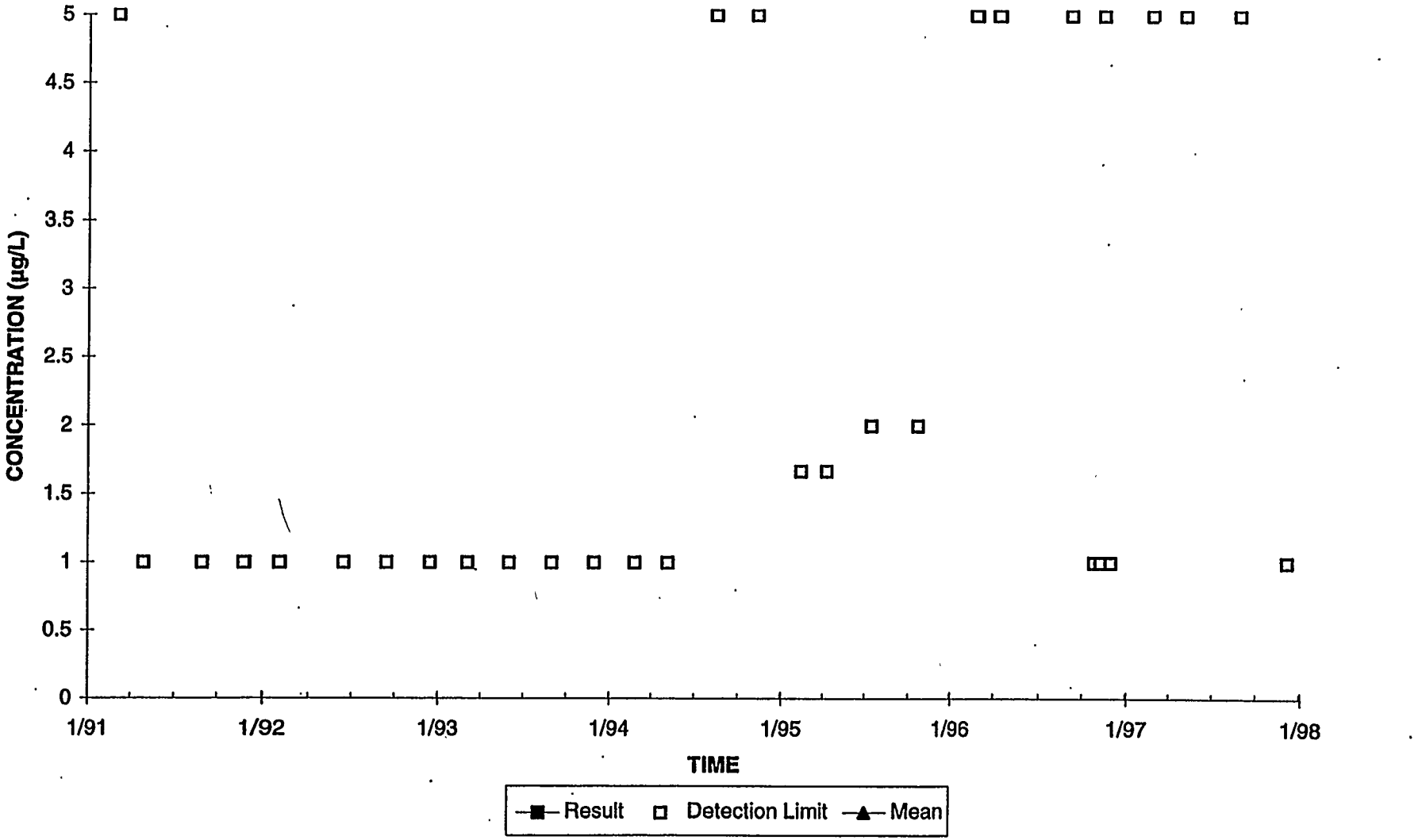
Carbon Tetrachloride Concentrations
Well TNX 10D



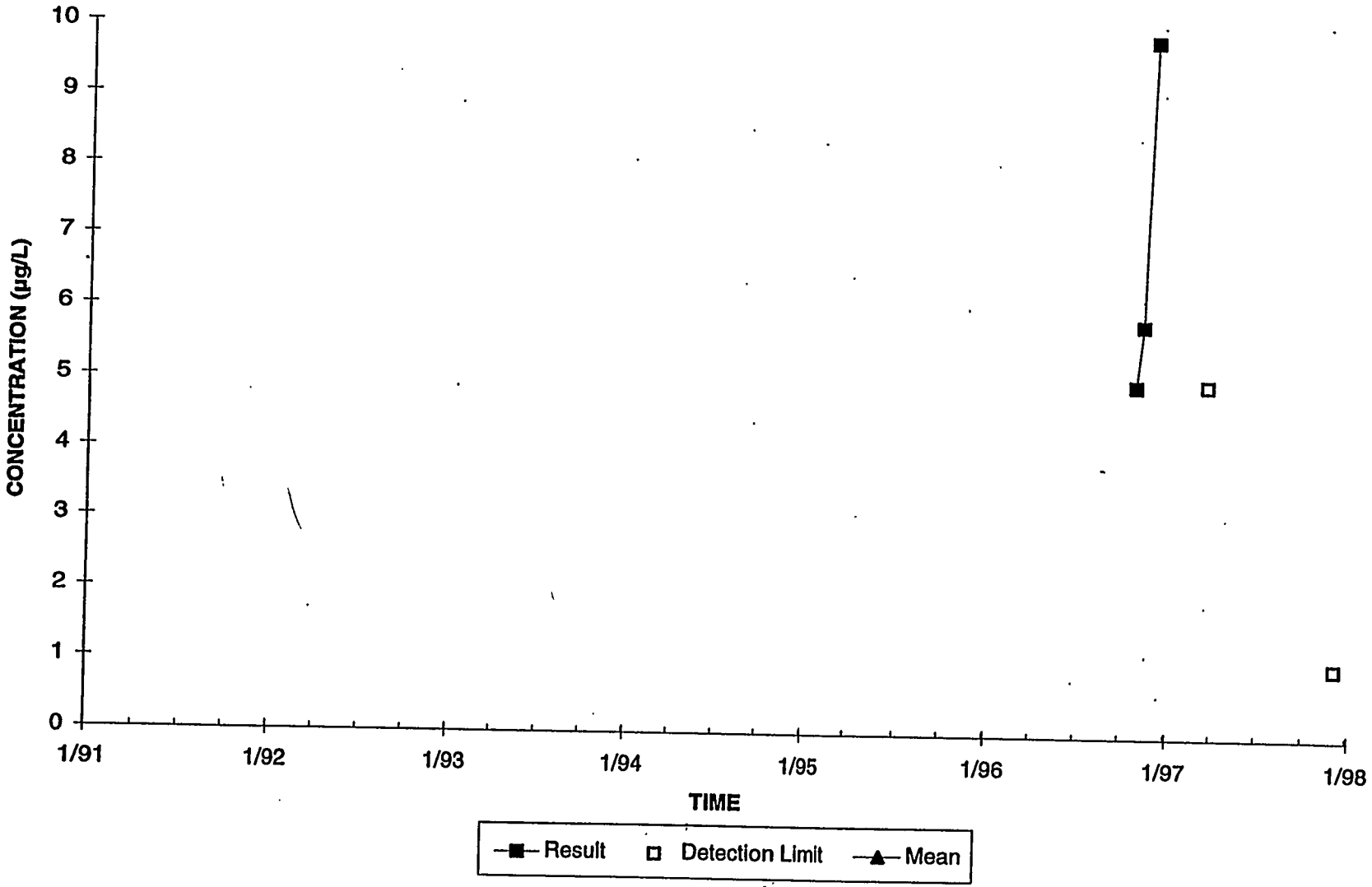
Carbon Tetrachloride Concentrations
Well TNX 11D



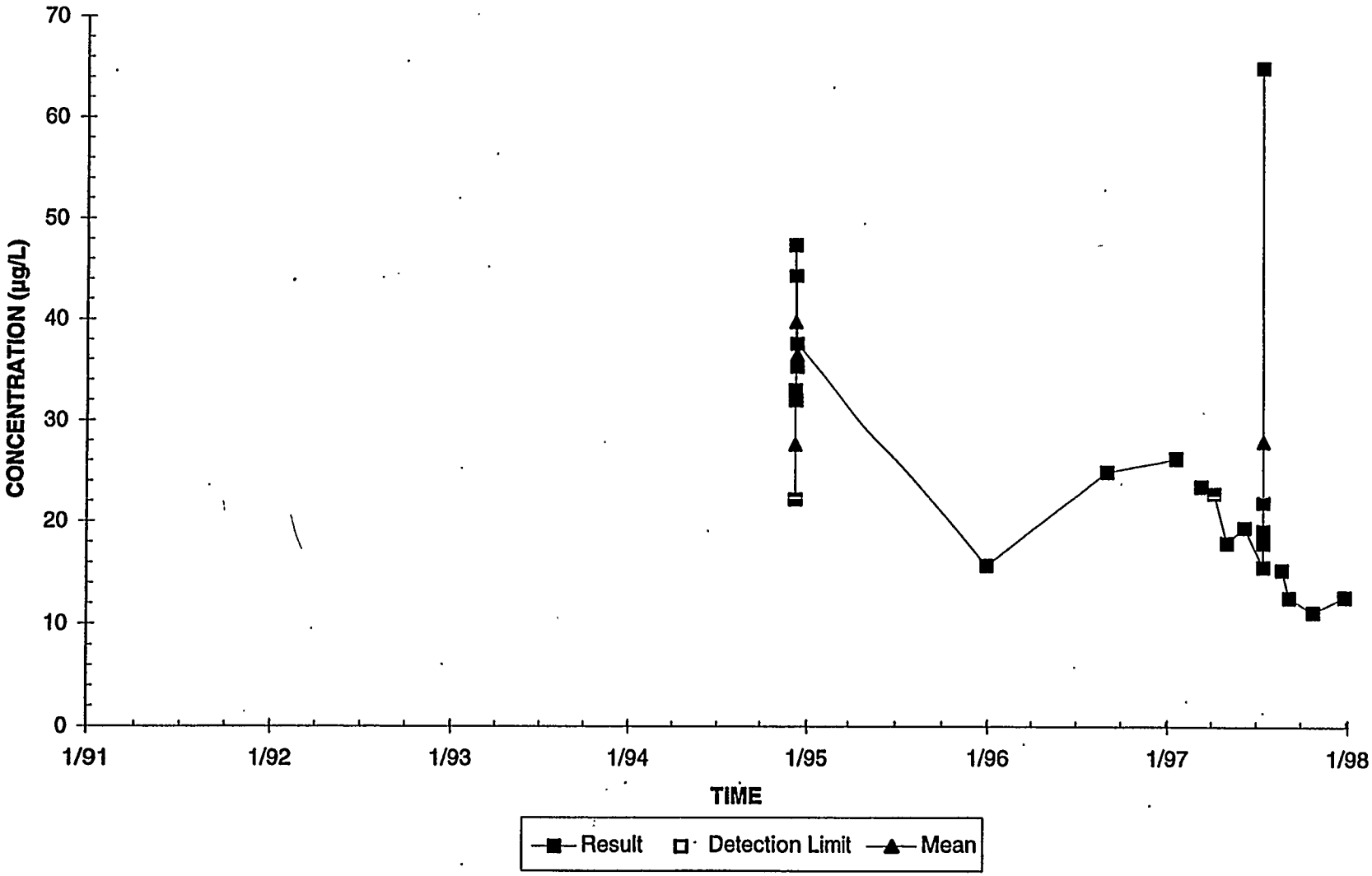
Carbon Tetrachloride Concentrations
Well TNX 12D



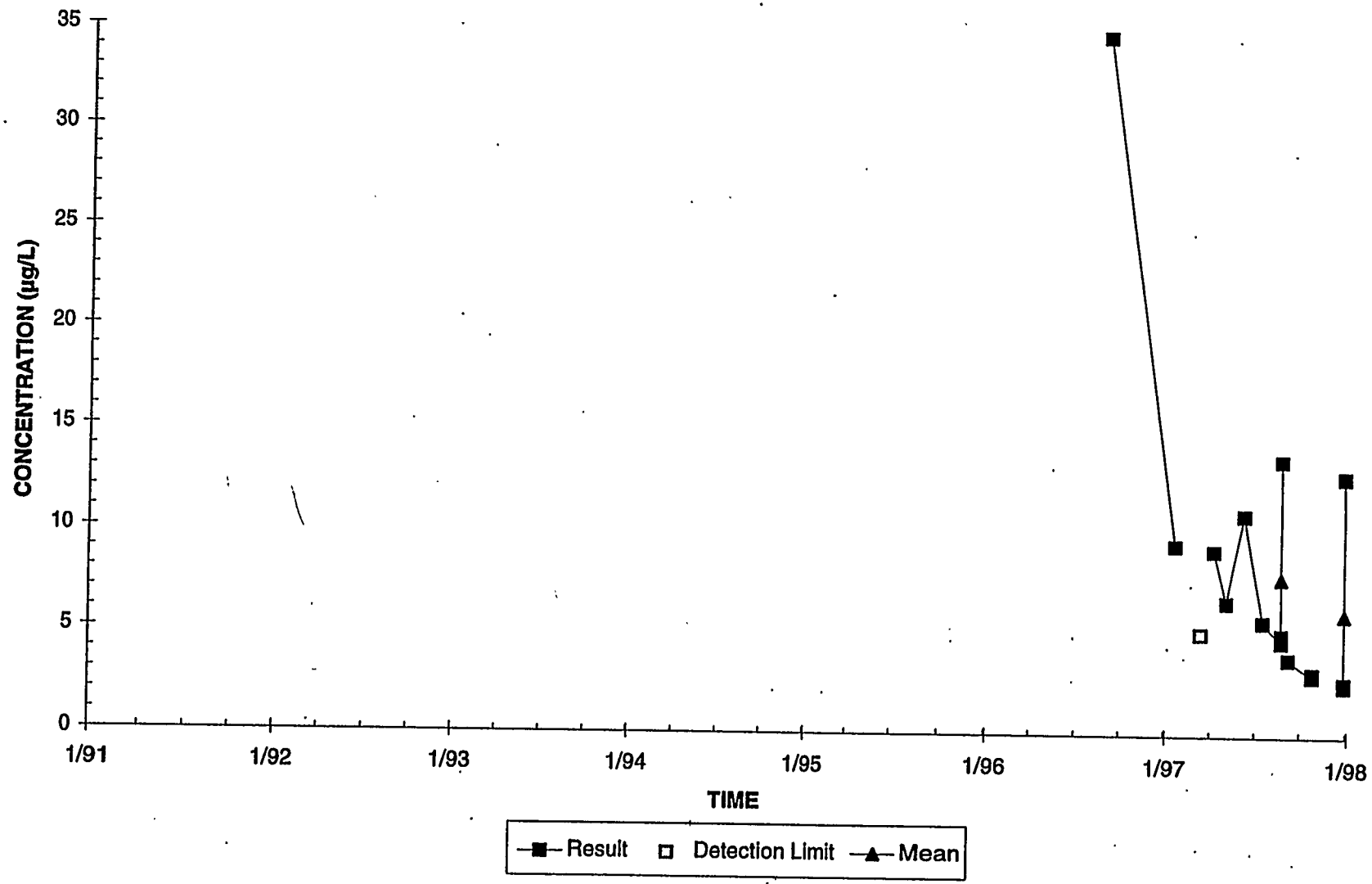
Carbon Tetrachloride Concentrations
Well TNX 27D



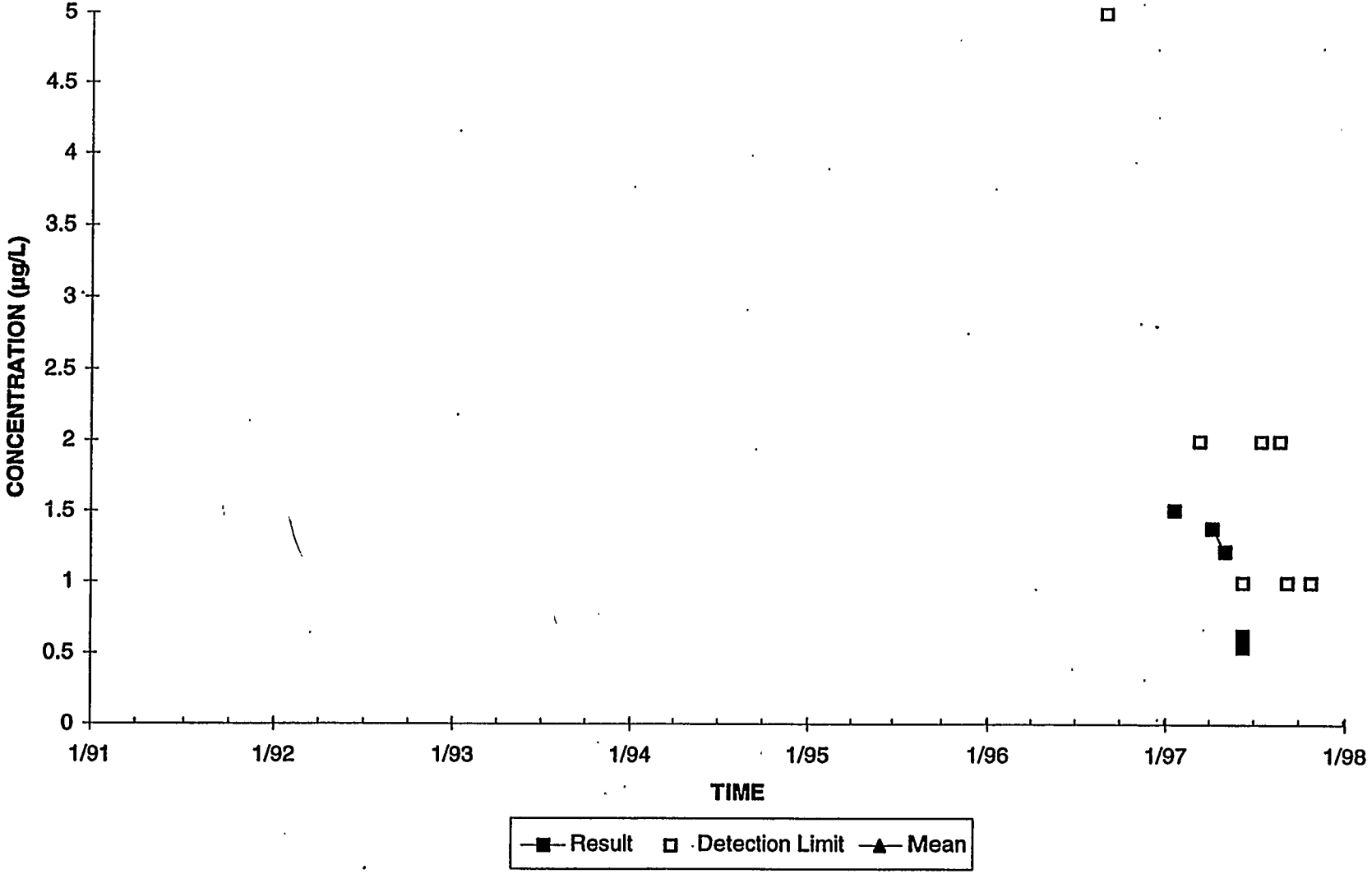
Carbon Tetrachloride Concentrations
Well TRW 1



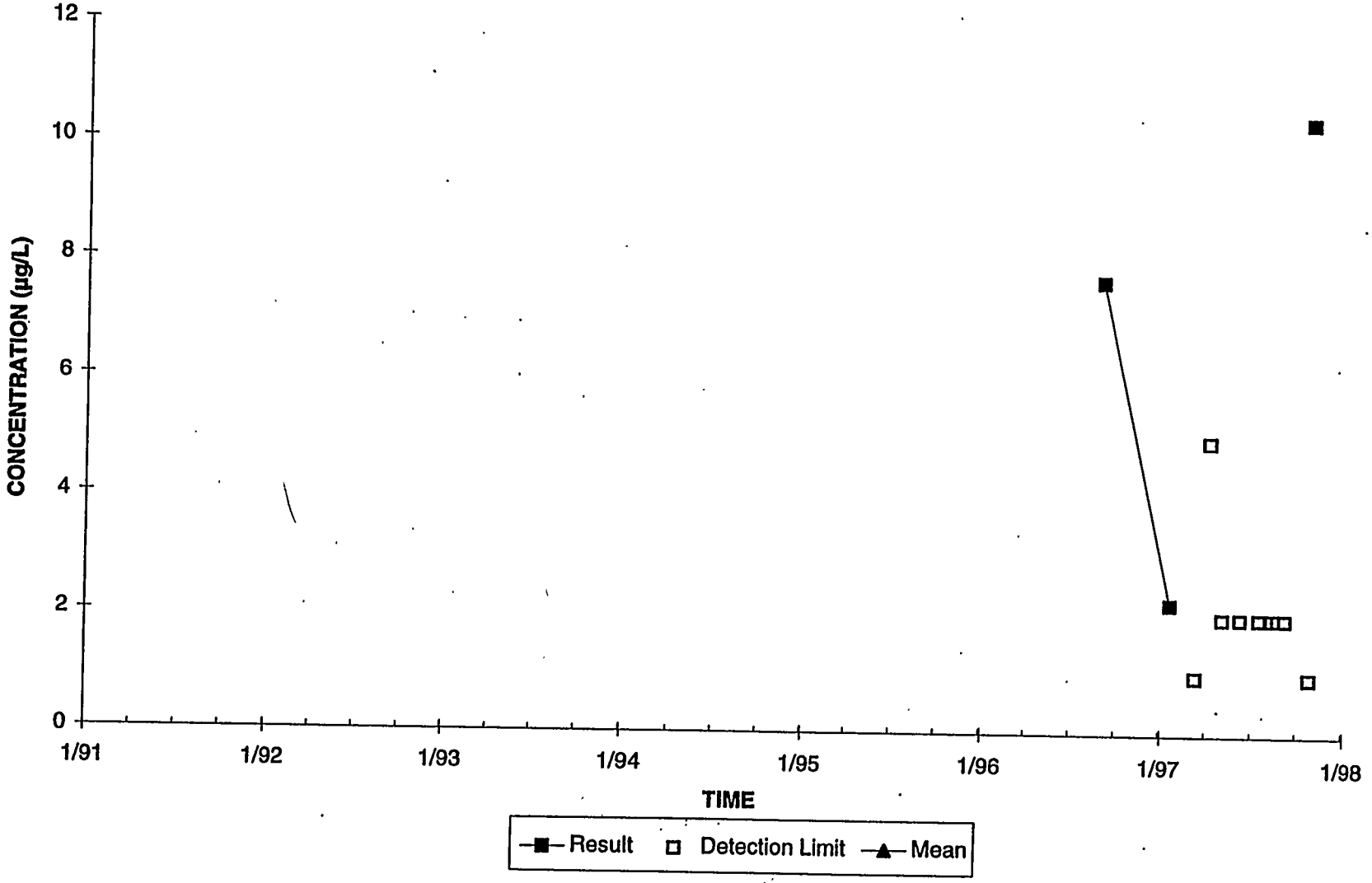
Carbon Tetrachloride Concentrations
Well TRW 2



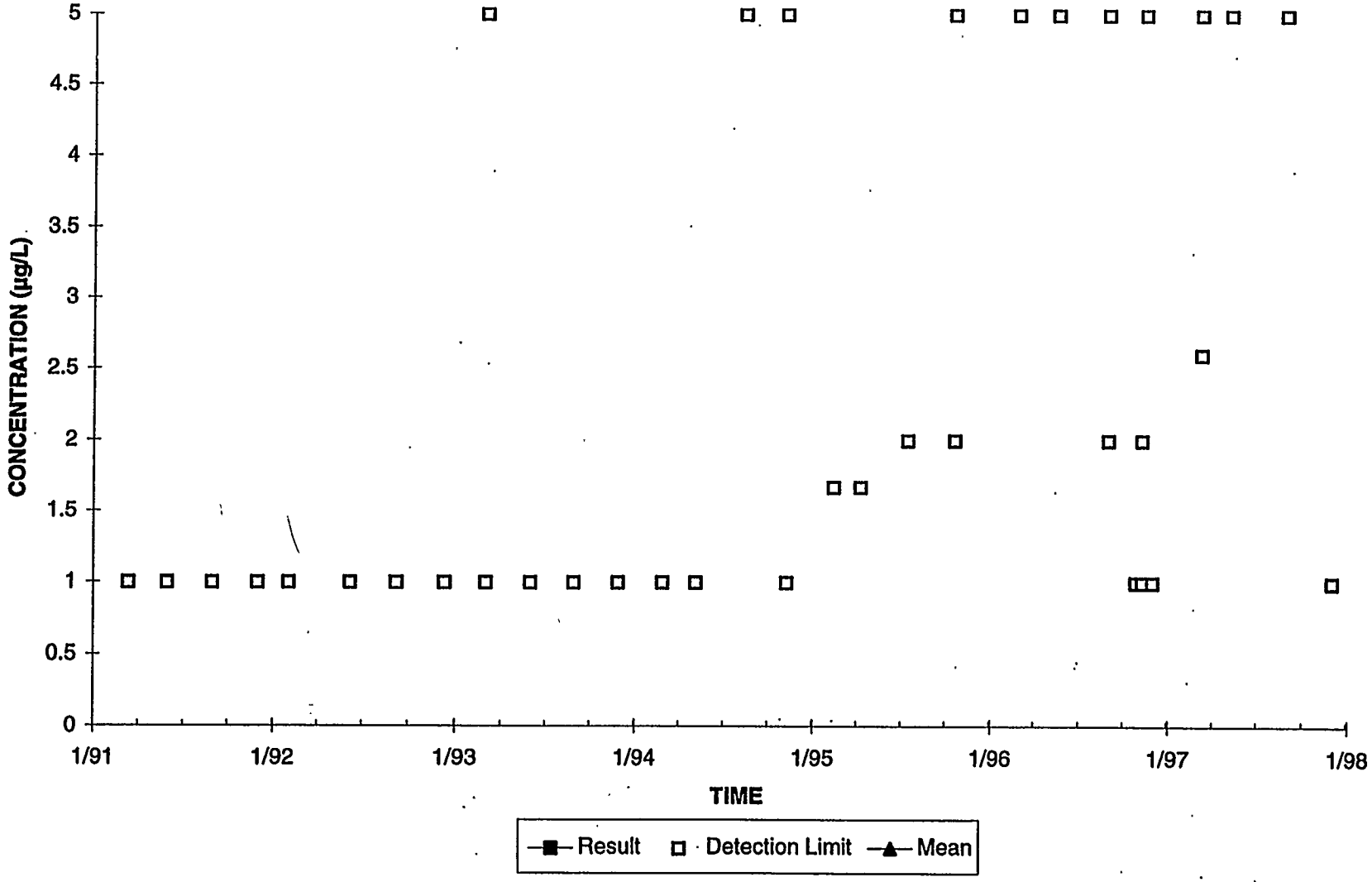
Carbon Tetrachloride Concentrations
Well TRW 3



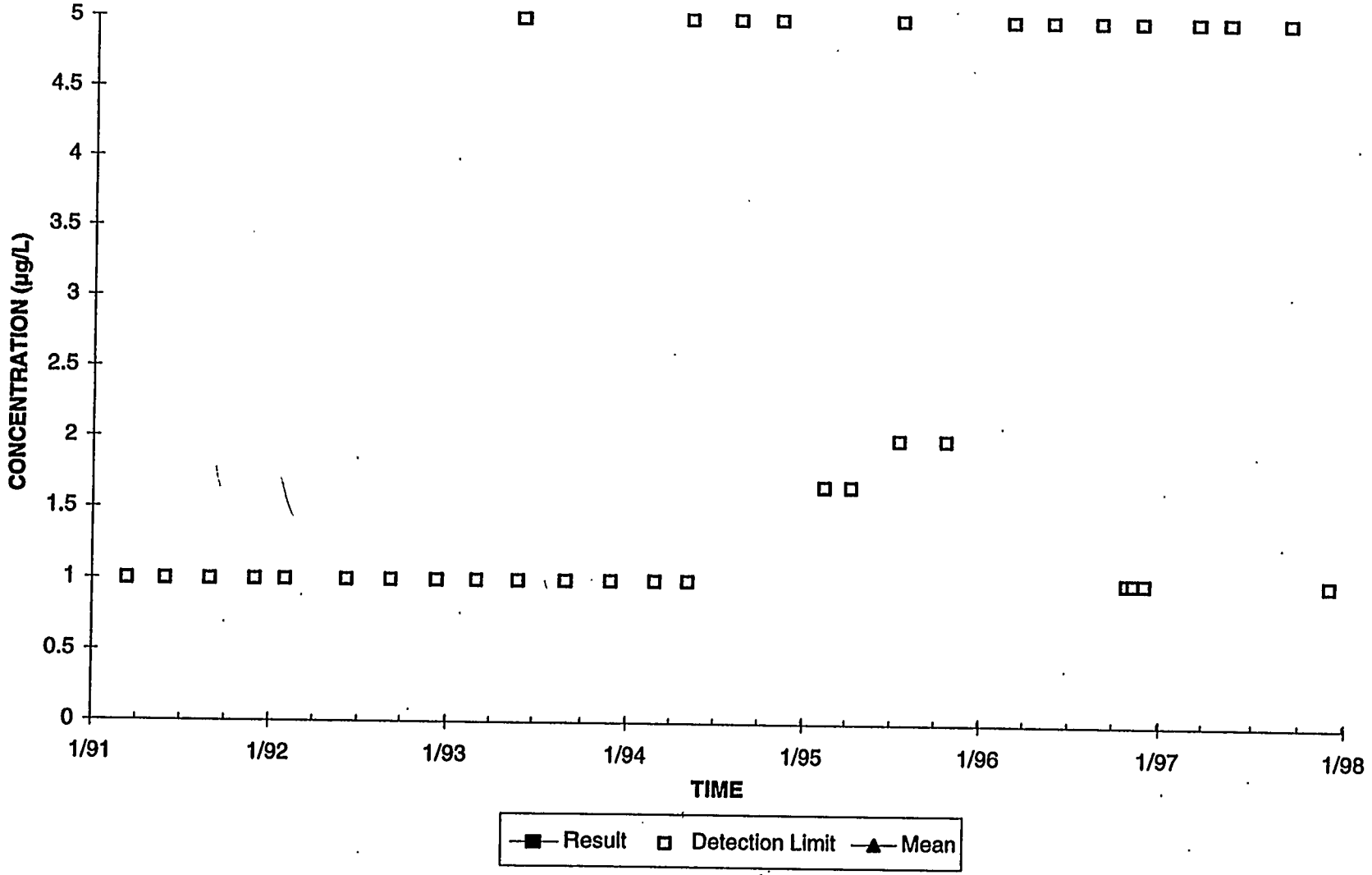
Carbon Tetrachloride Concentrations
Well TRW 4



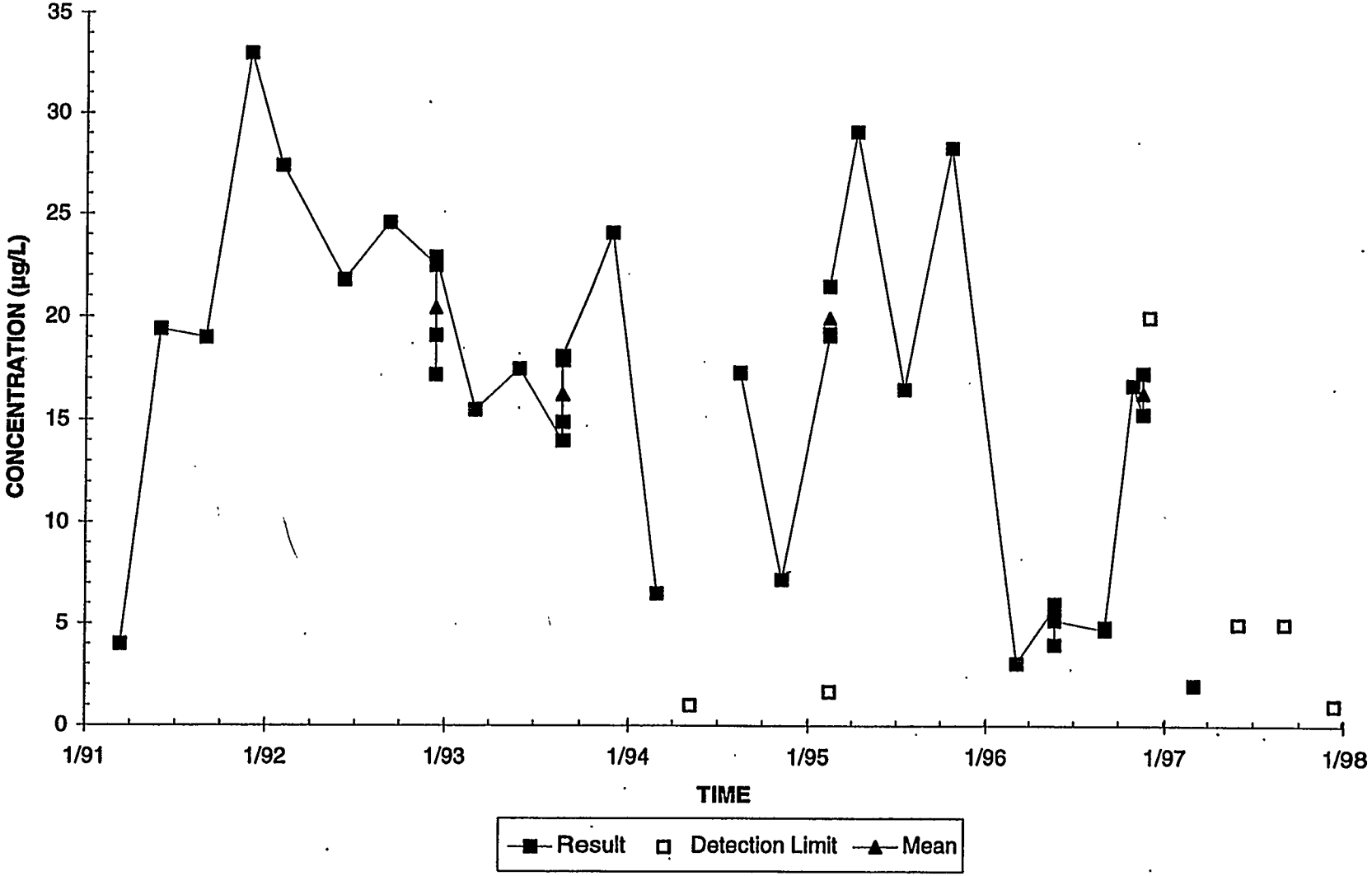
Carbon Tetrachloride Concentrations
Well XSB 1A



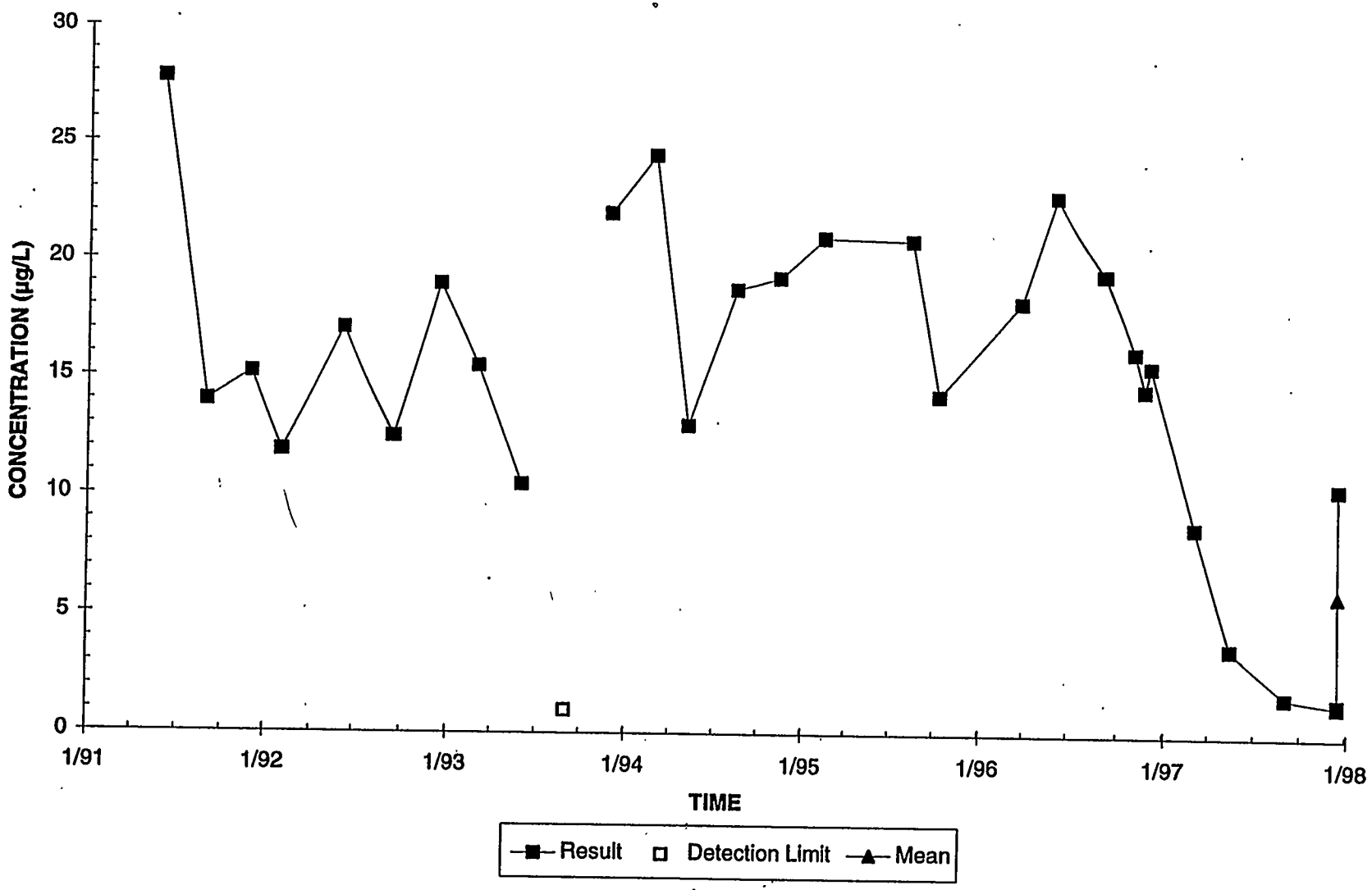
Carbon Tetrachloride Concentrations
Well XSB 1B



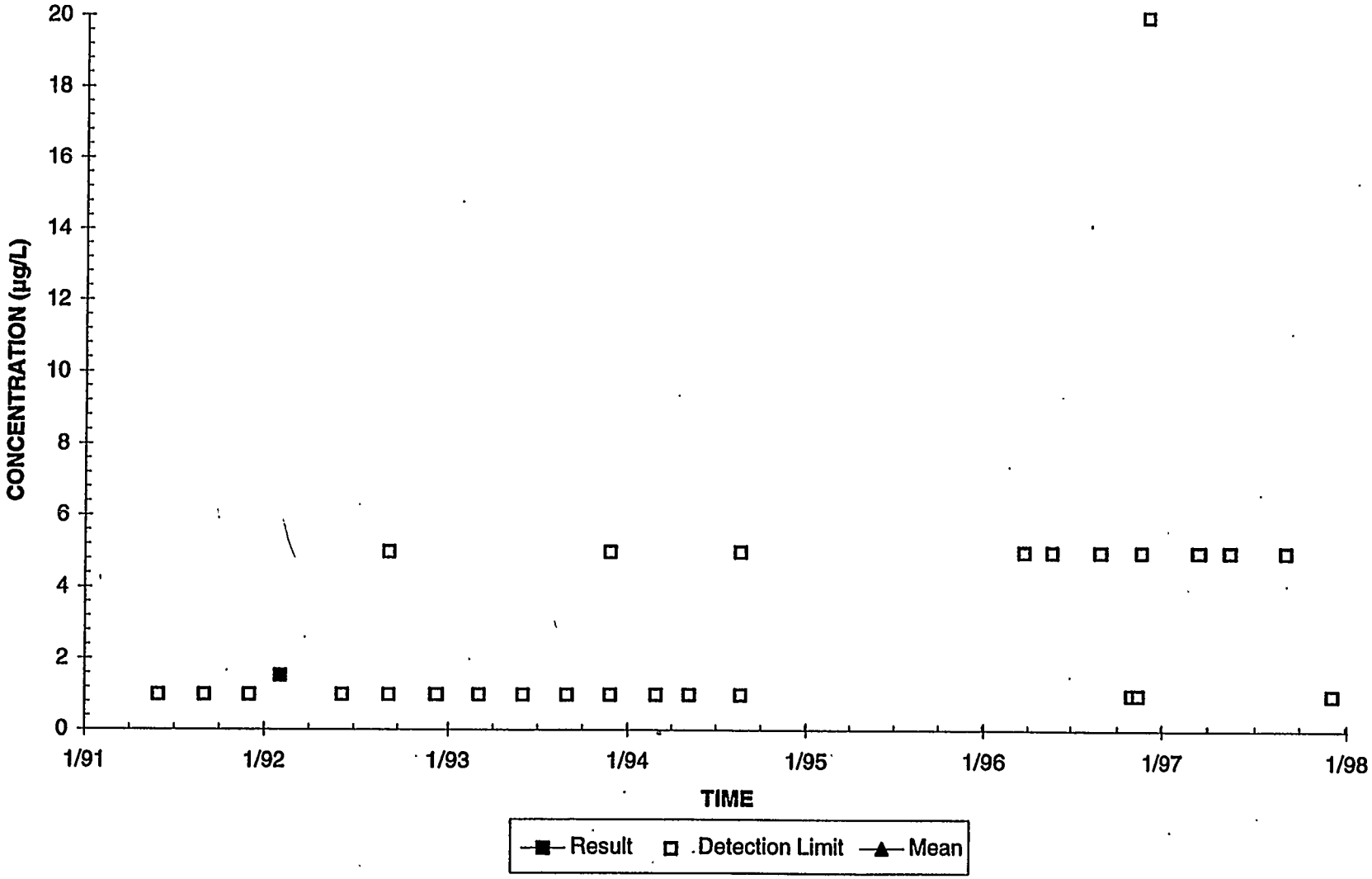
Carbon Tetrachloride Concentrations
Well XSB 1D



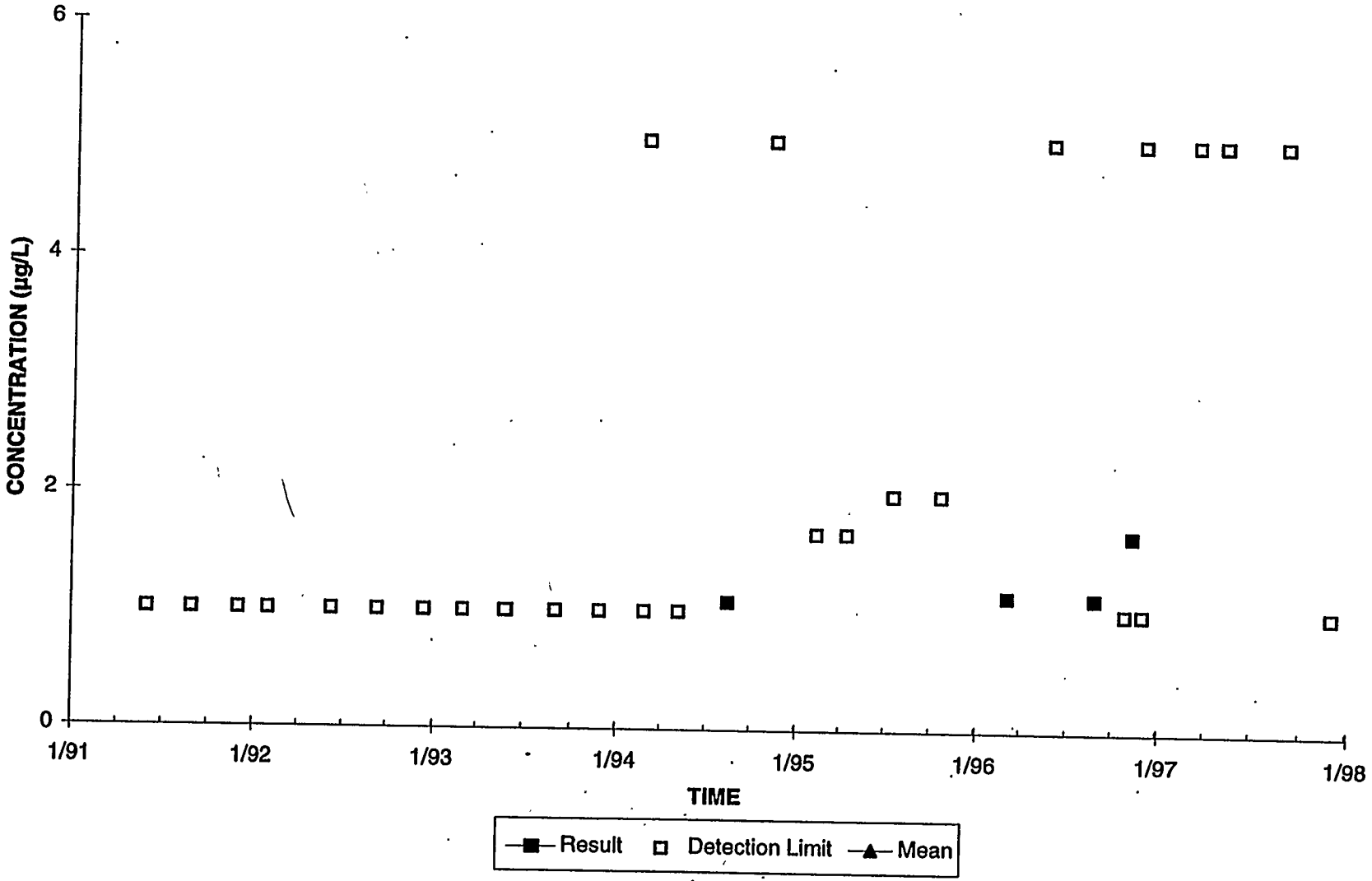
Carbon Tetrachloride Concentrations
Well XSB 2D



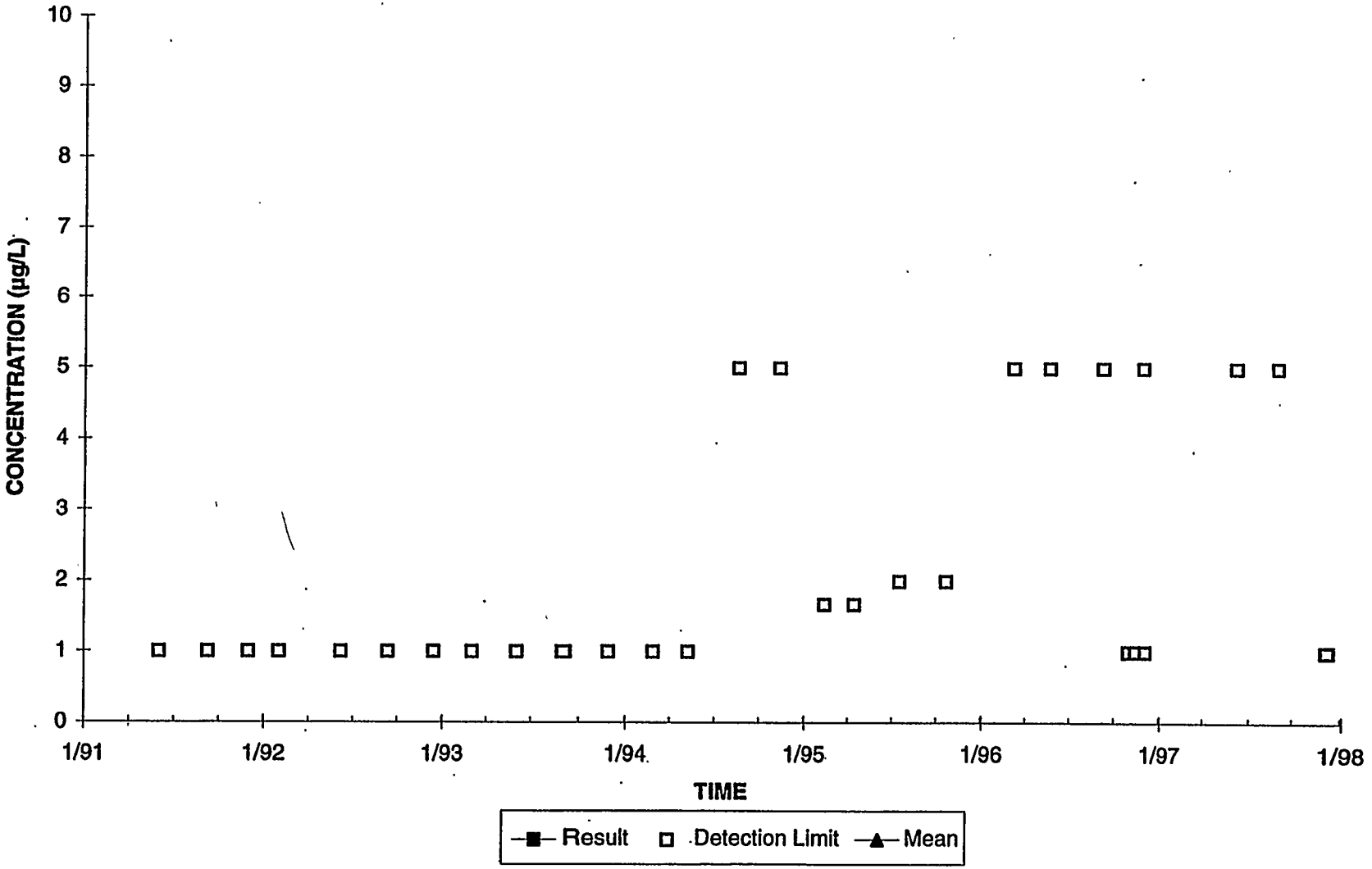
Carbon Tetrachloride Concentrations
Well XSB 3A



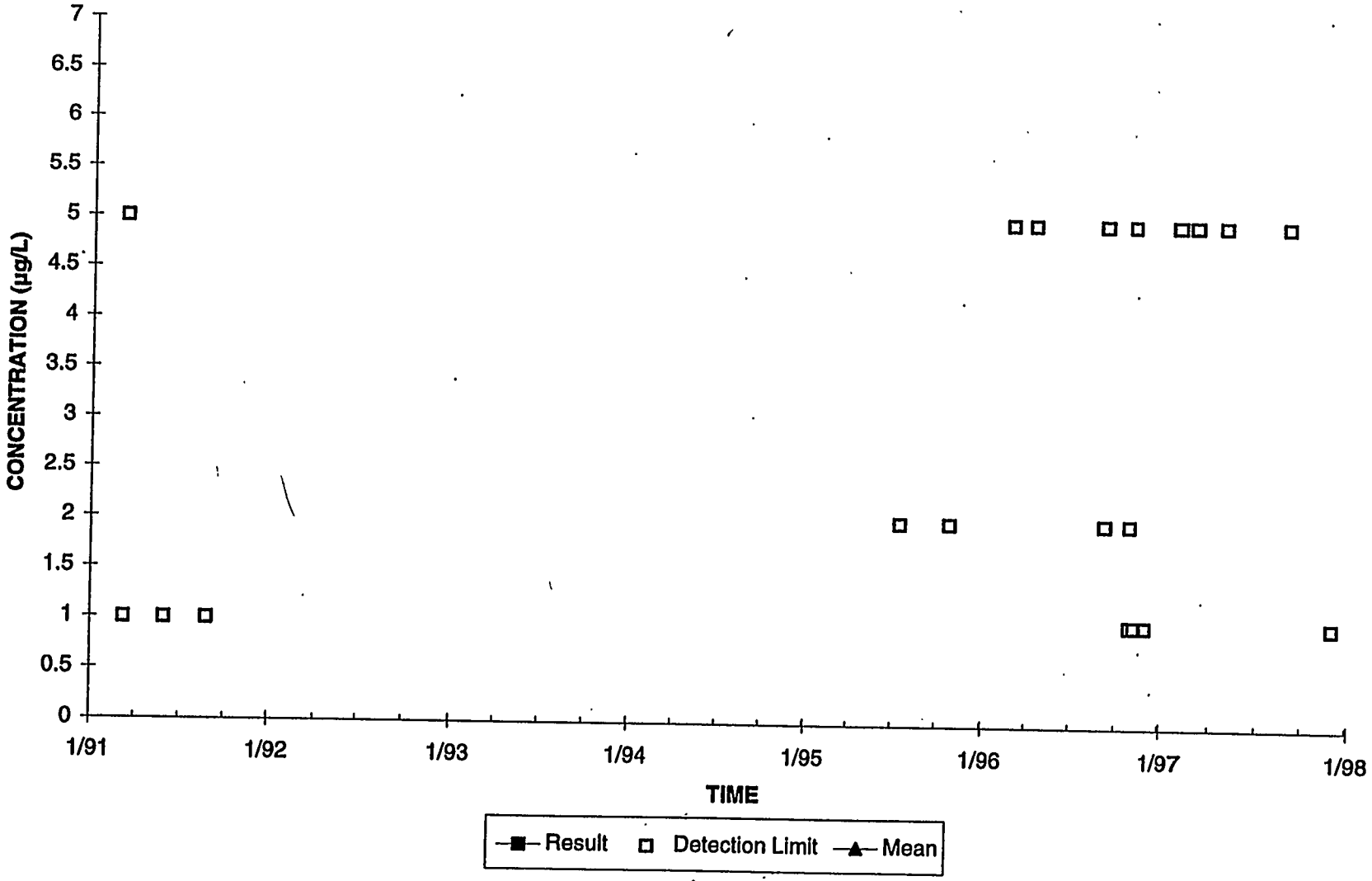
Carbon Tetrachloride Concentrations
Well XSB 4D



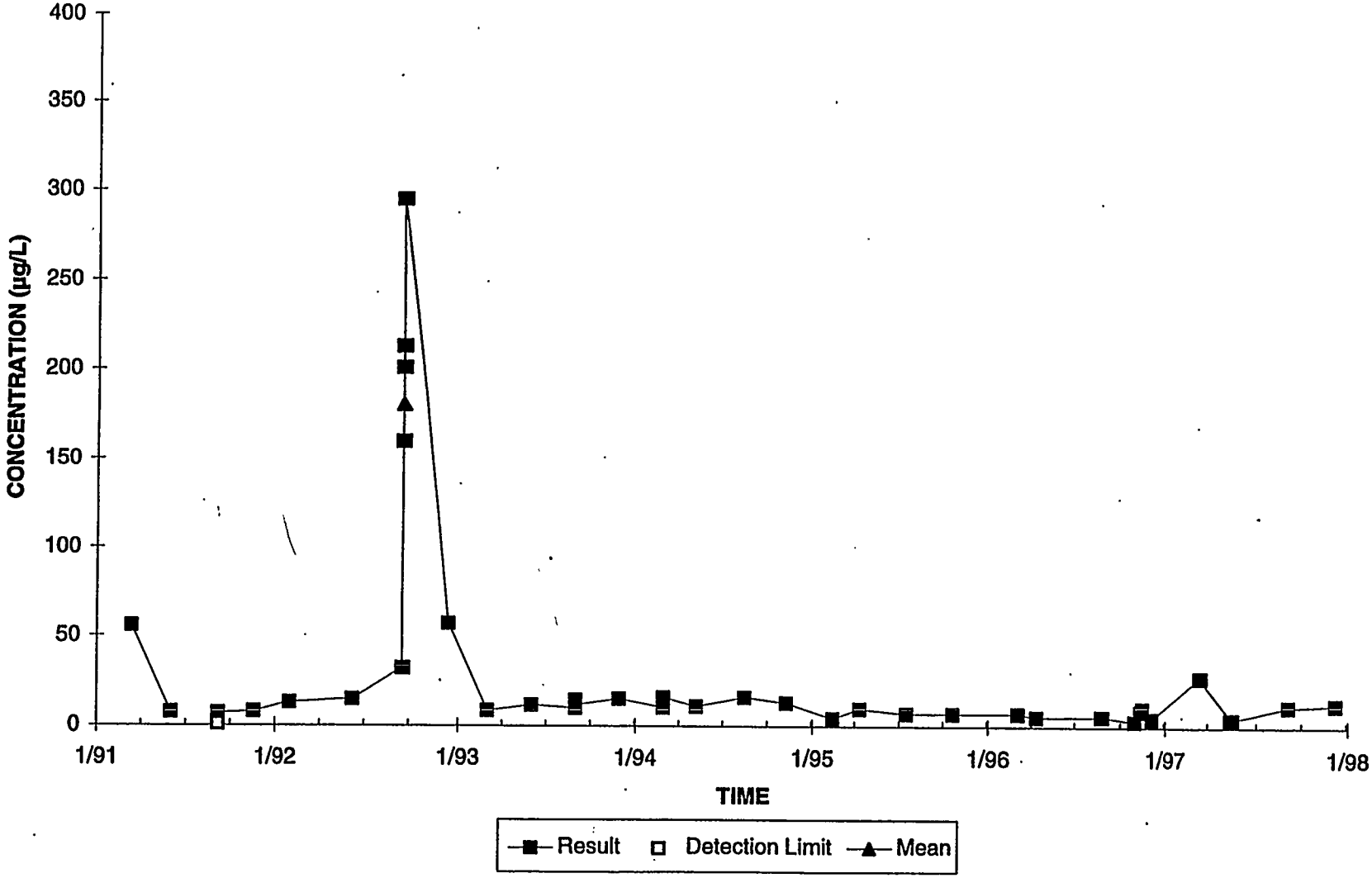
Carbon Tetrachloride Concentrations
Well XSB 5A



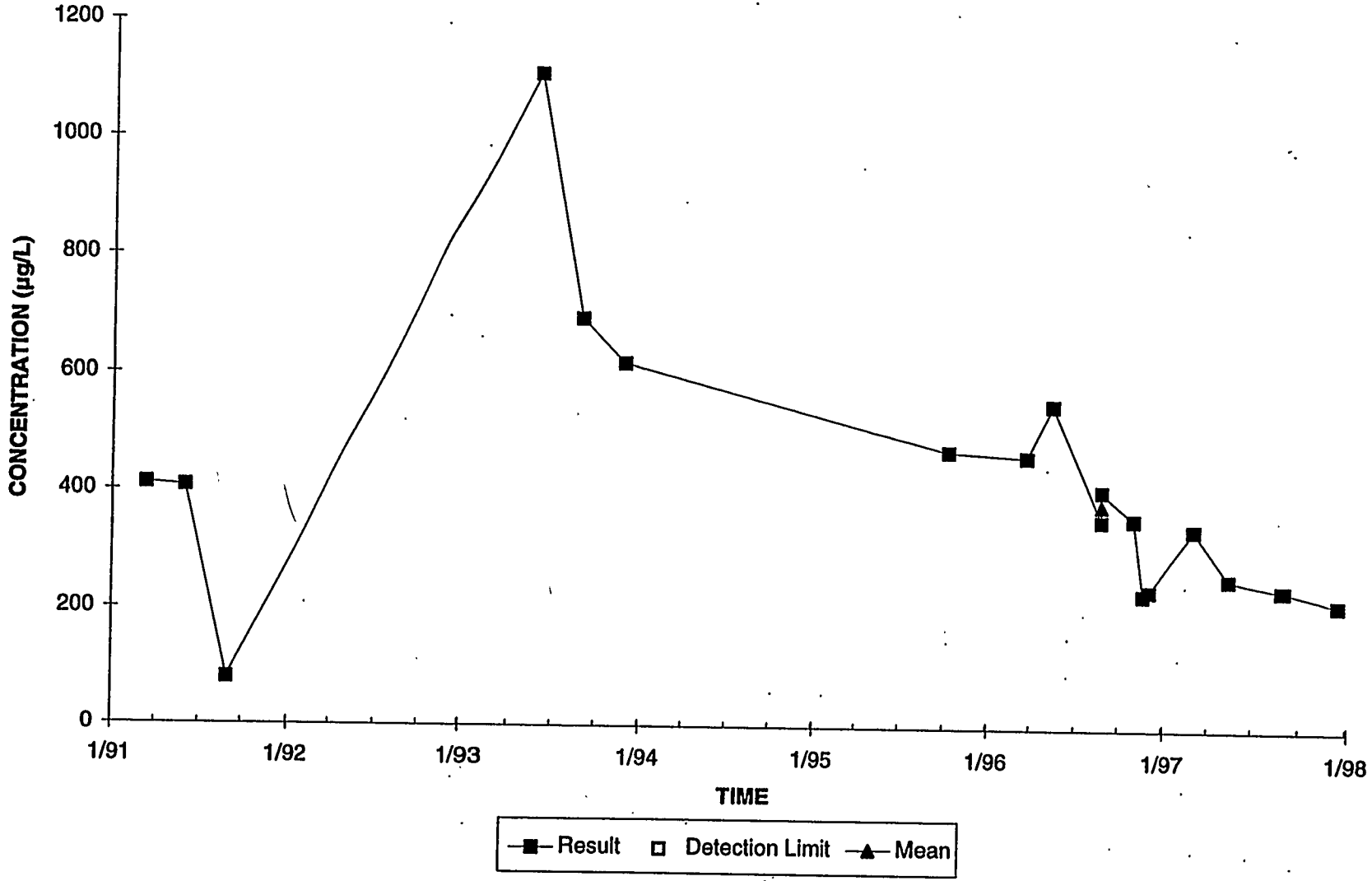
Trichloroethylene Concentrations
Well P 26A



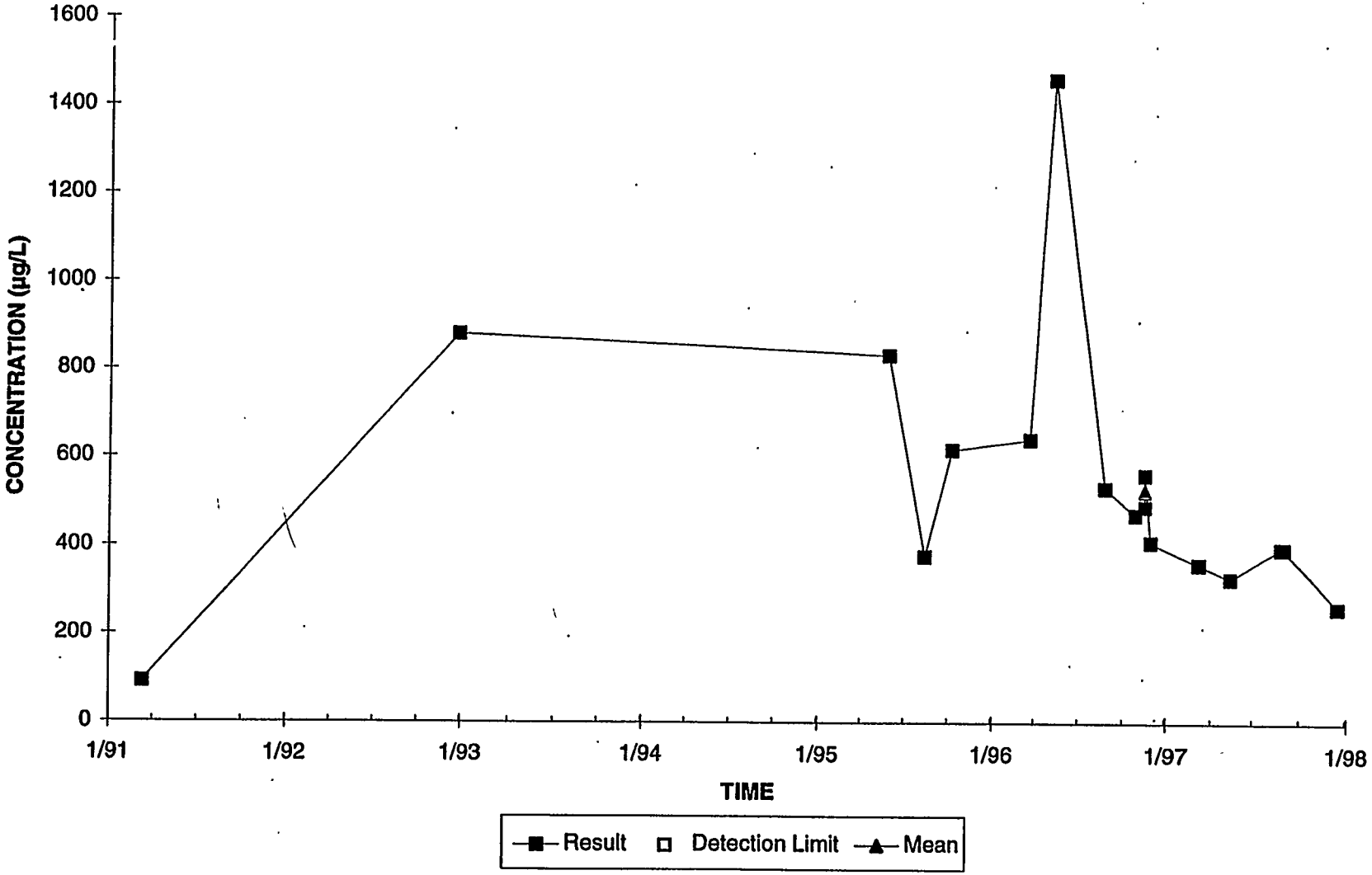
Trichloroethylene Concentrations
Well TBG 1



Trichloroethylene Concentrations
Well TBG 3



Trichloroethylene Concentrations
Well TBG 4



Trichloroethylene Concentrations
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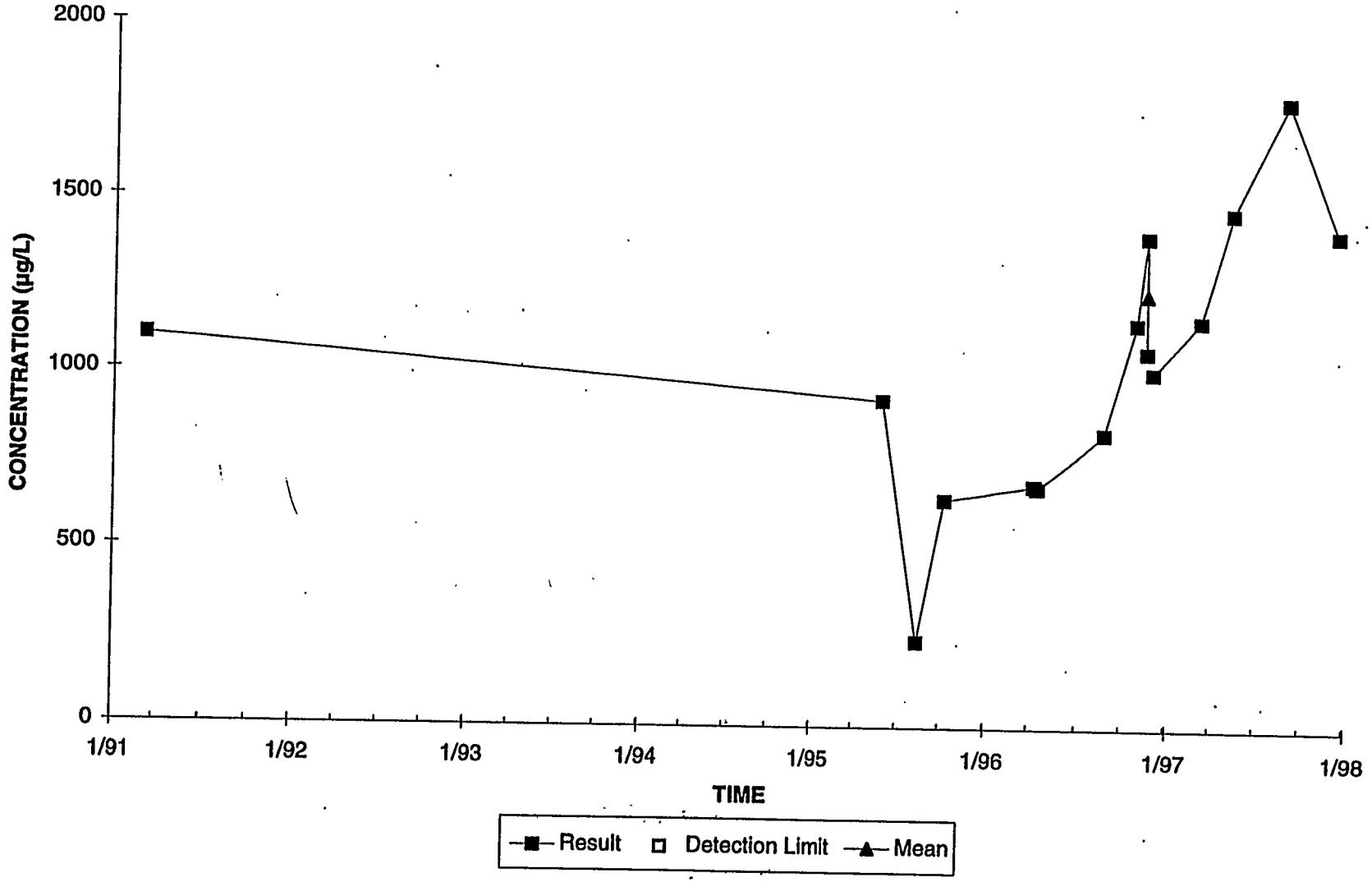
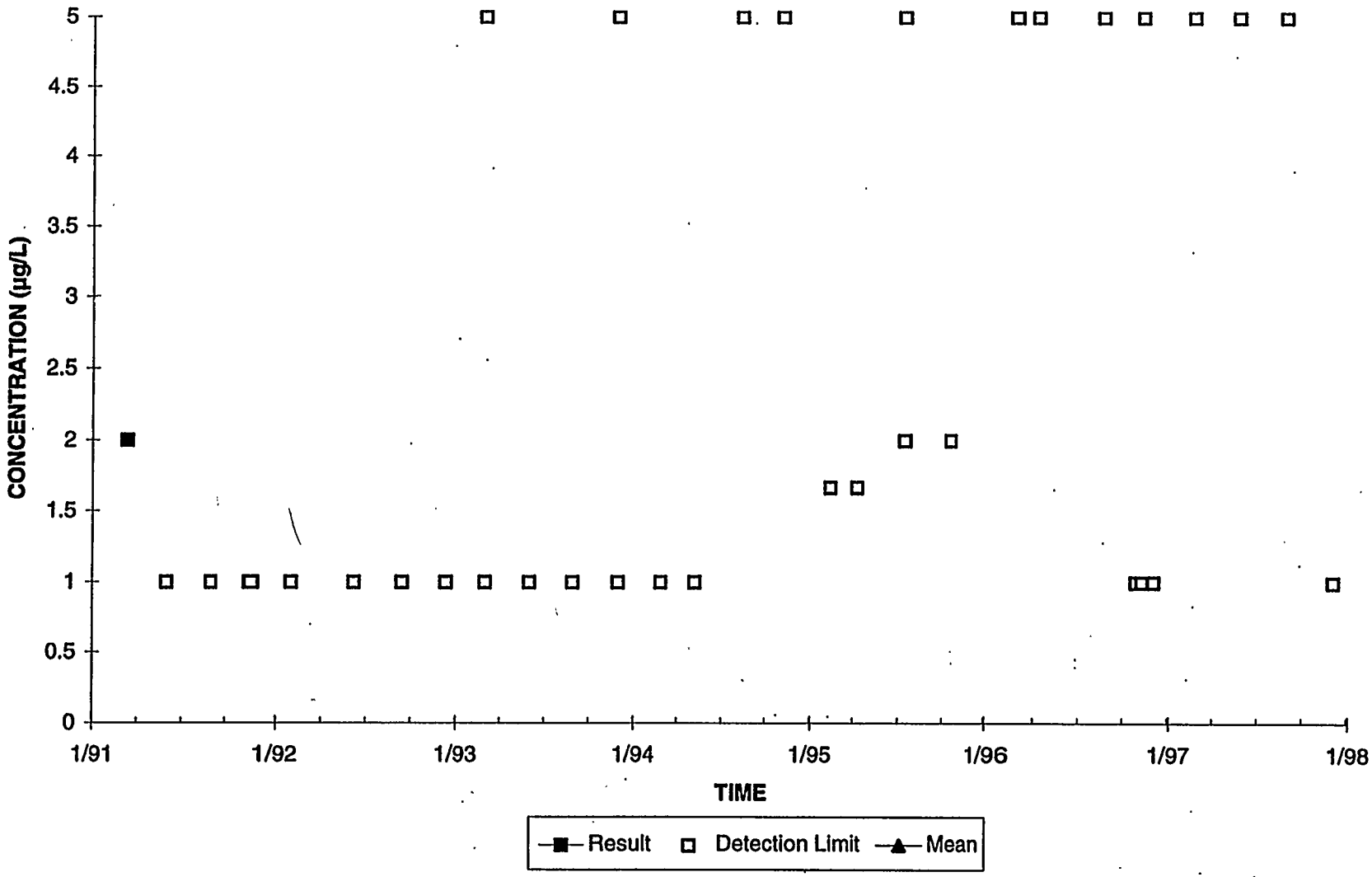
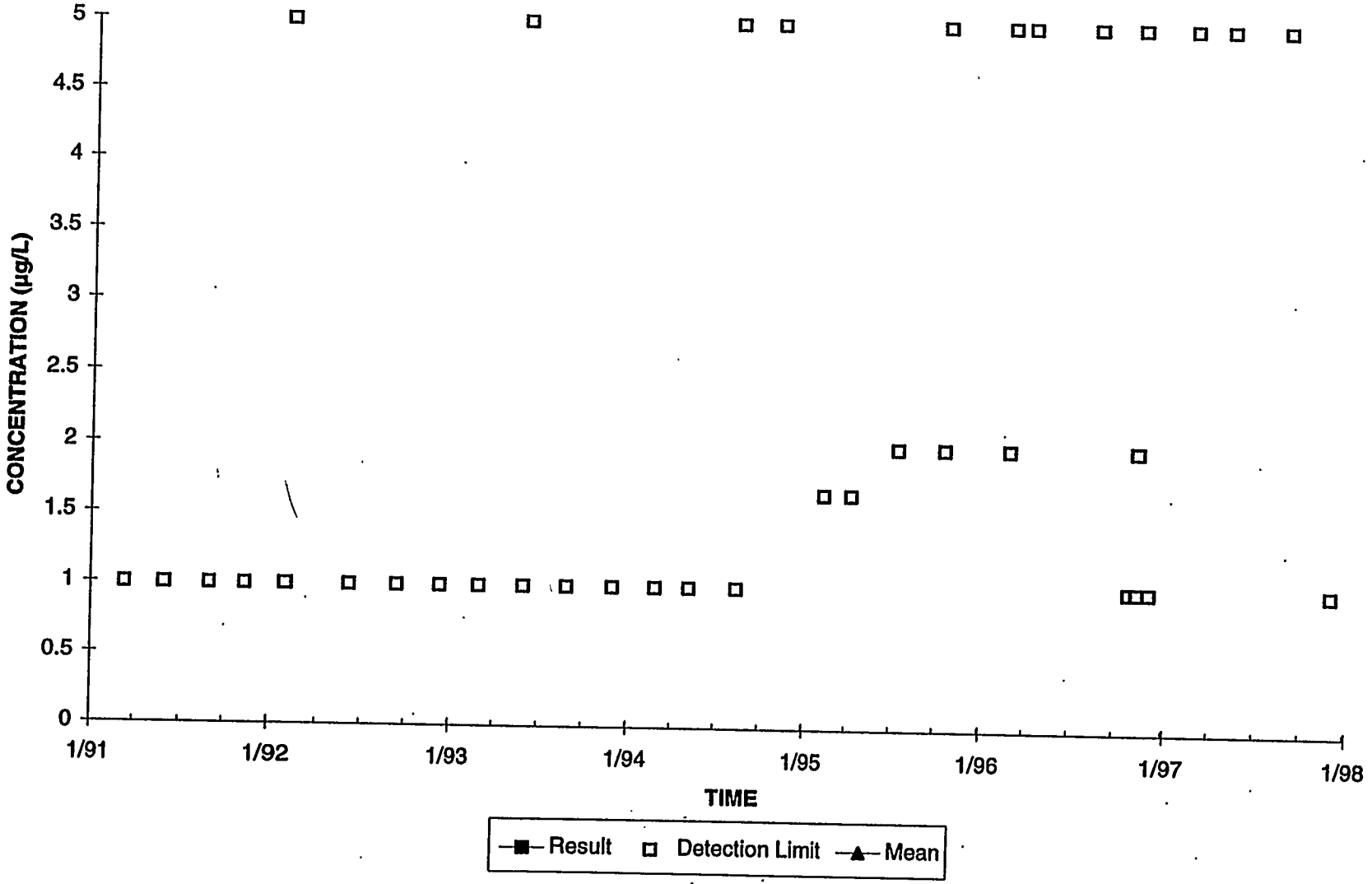


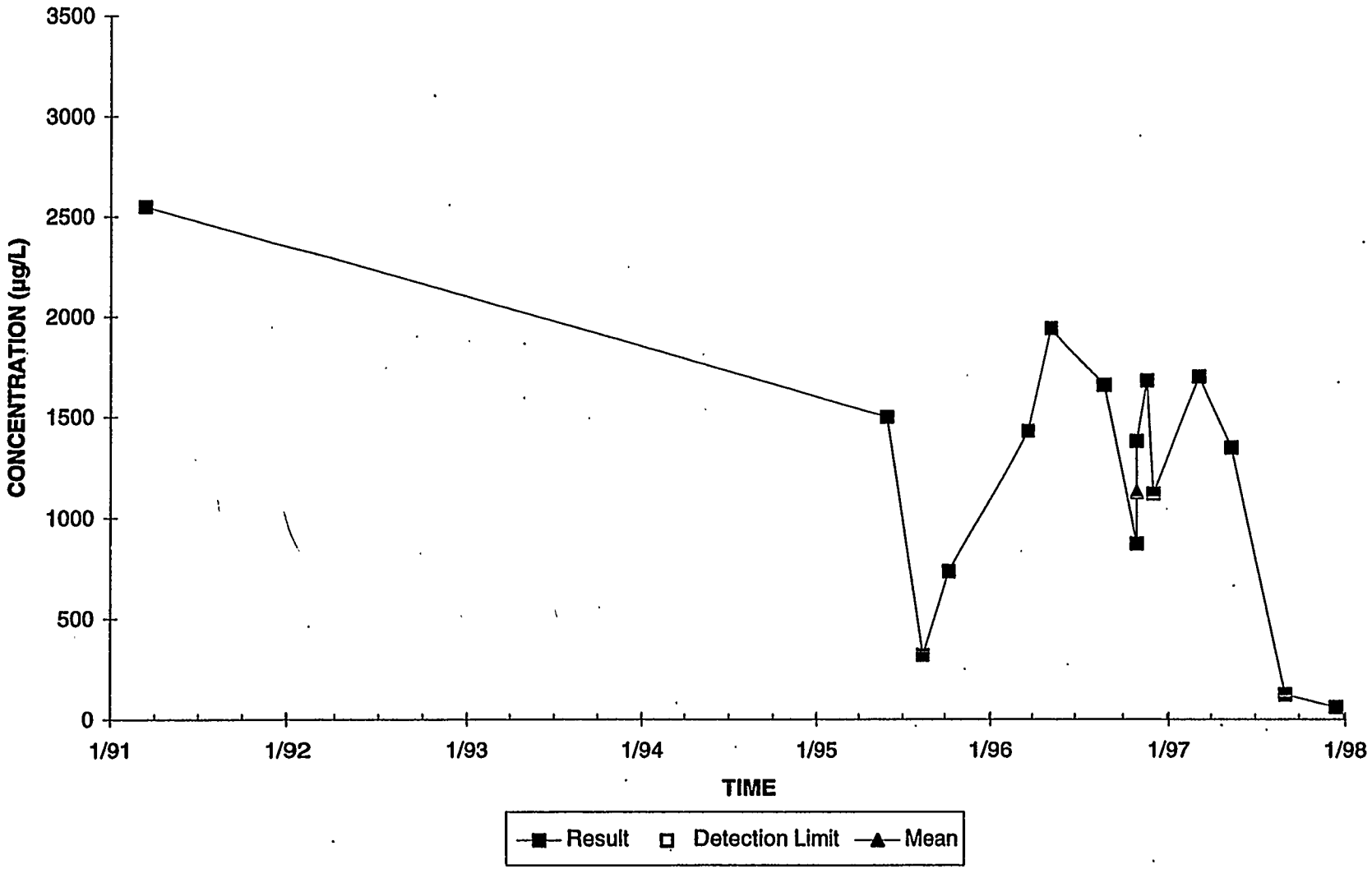
Trichloroethylene Concentrations
Well TBG 5A



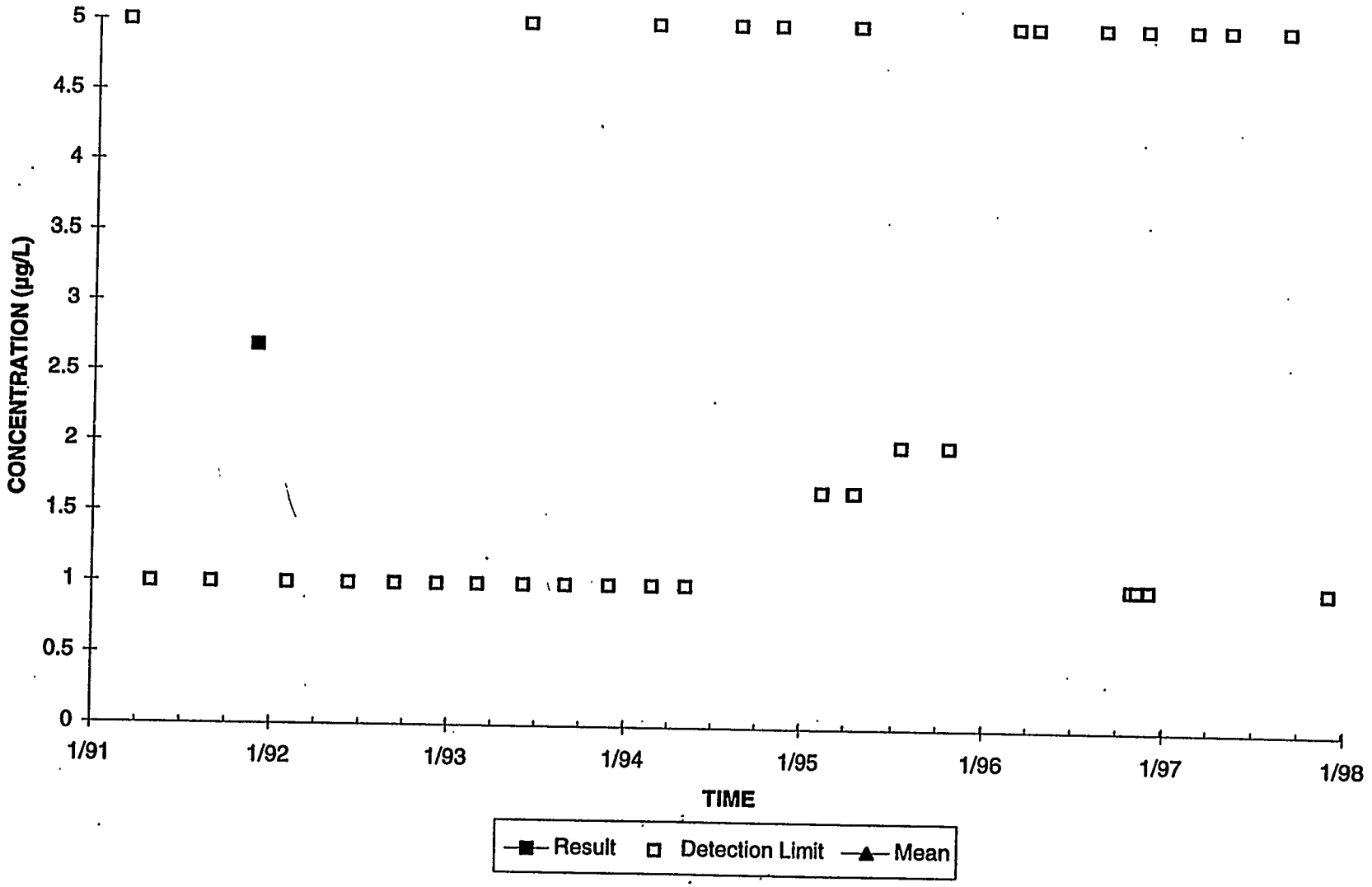
Trichloroethylene Concentrations
Well TBG 5B



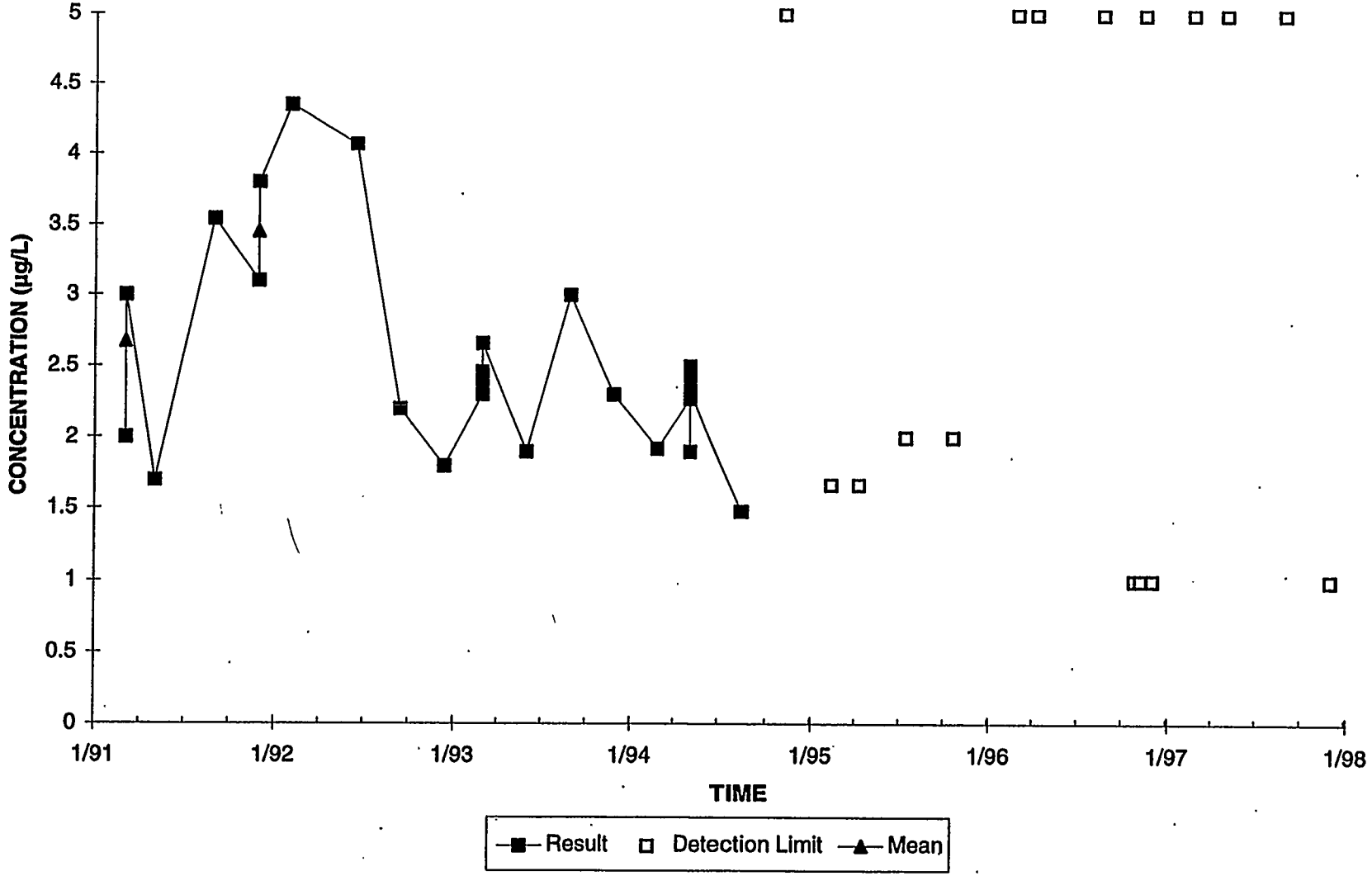
Trichloroethylene Concentrations
Well TBG 6



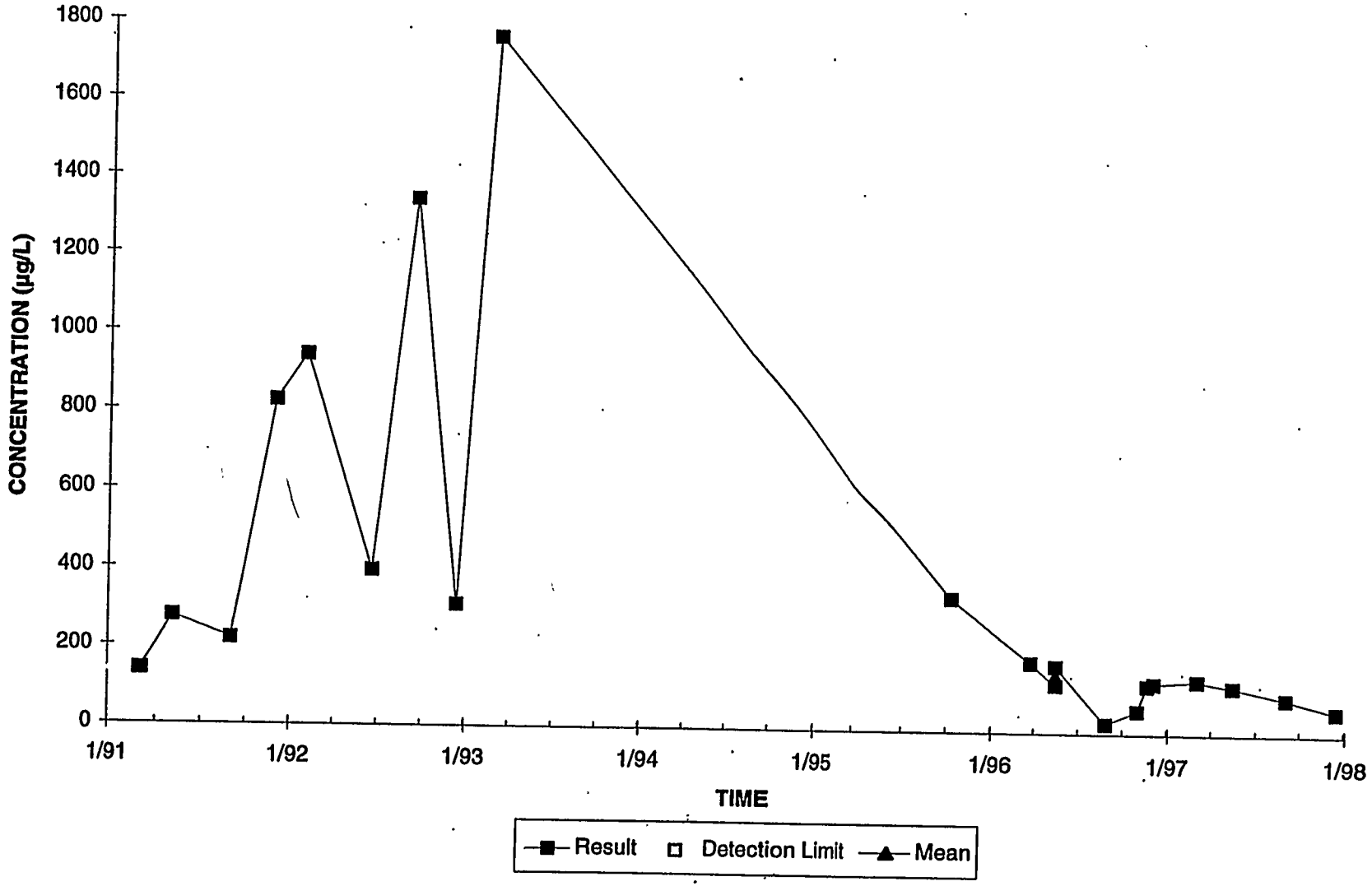
Trichloroethylene Concentrations
Well TNX 1D



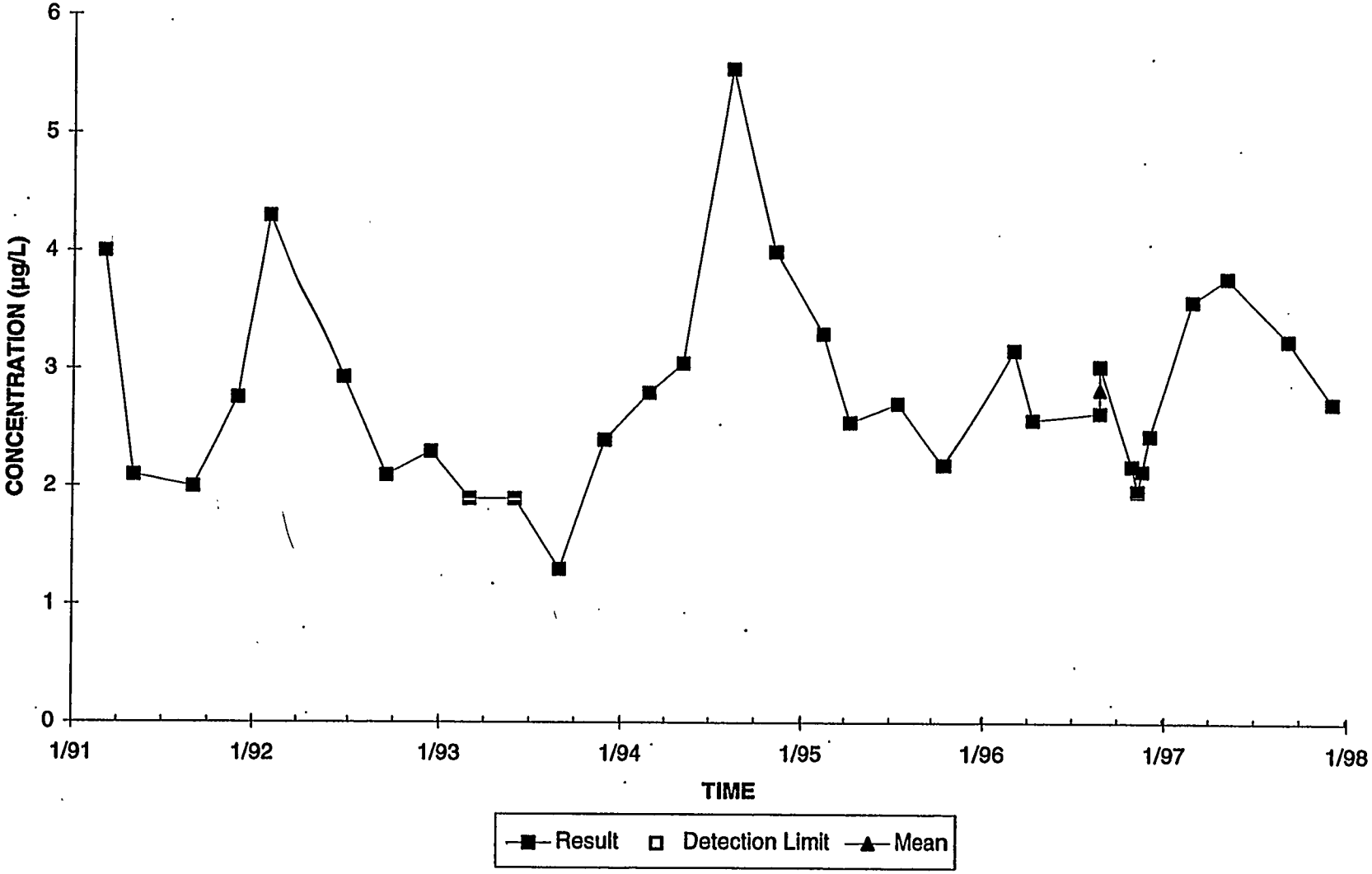
Trichloroethylene Concentrations
Well TNX 2D



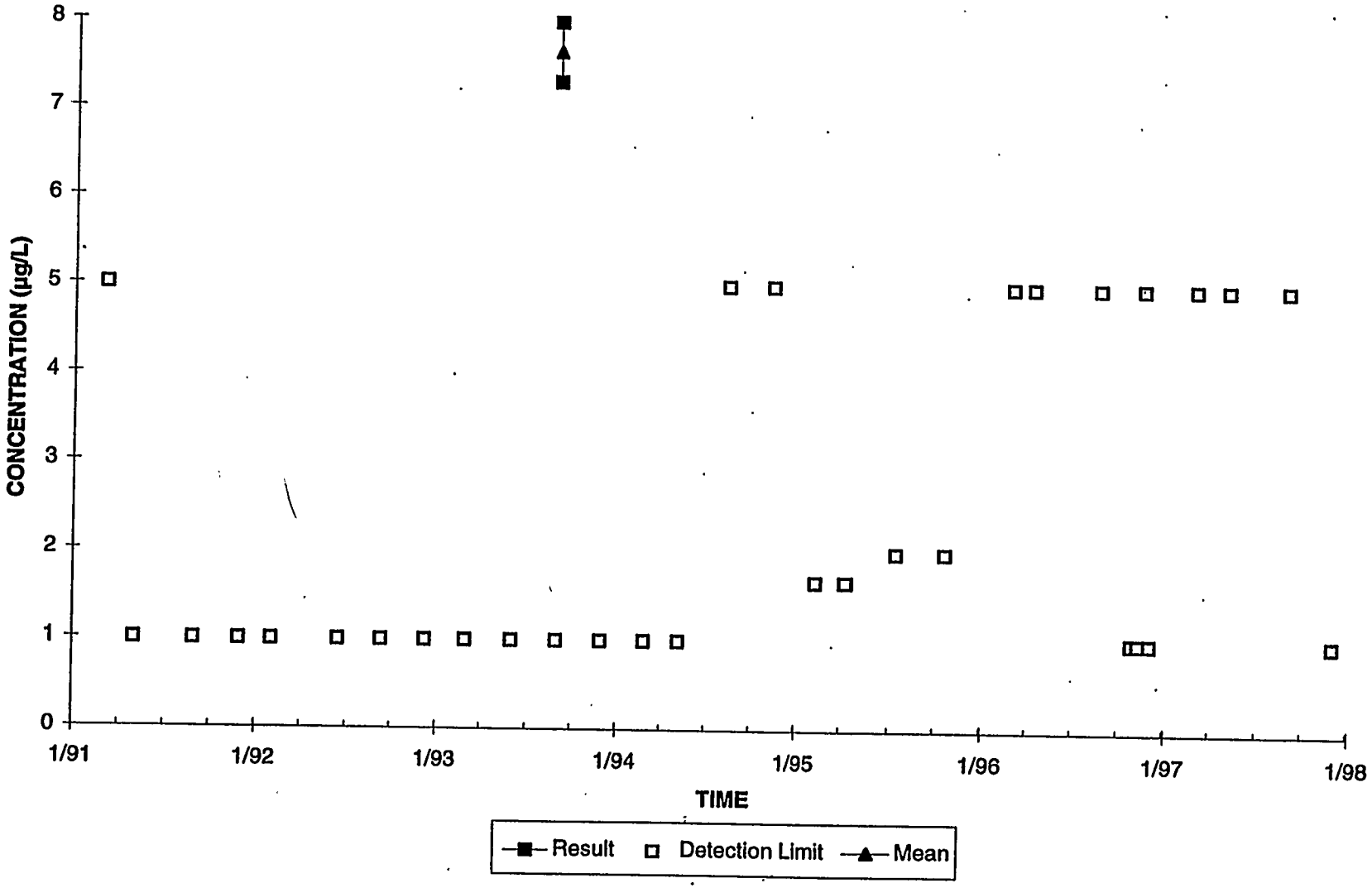
Trichloroethylene Concentrations
Well TNX 3D



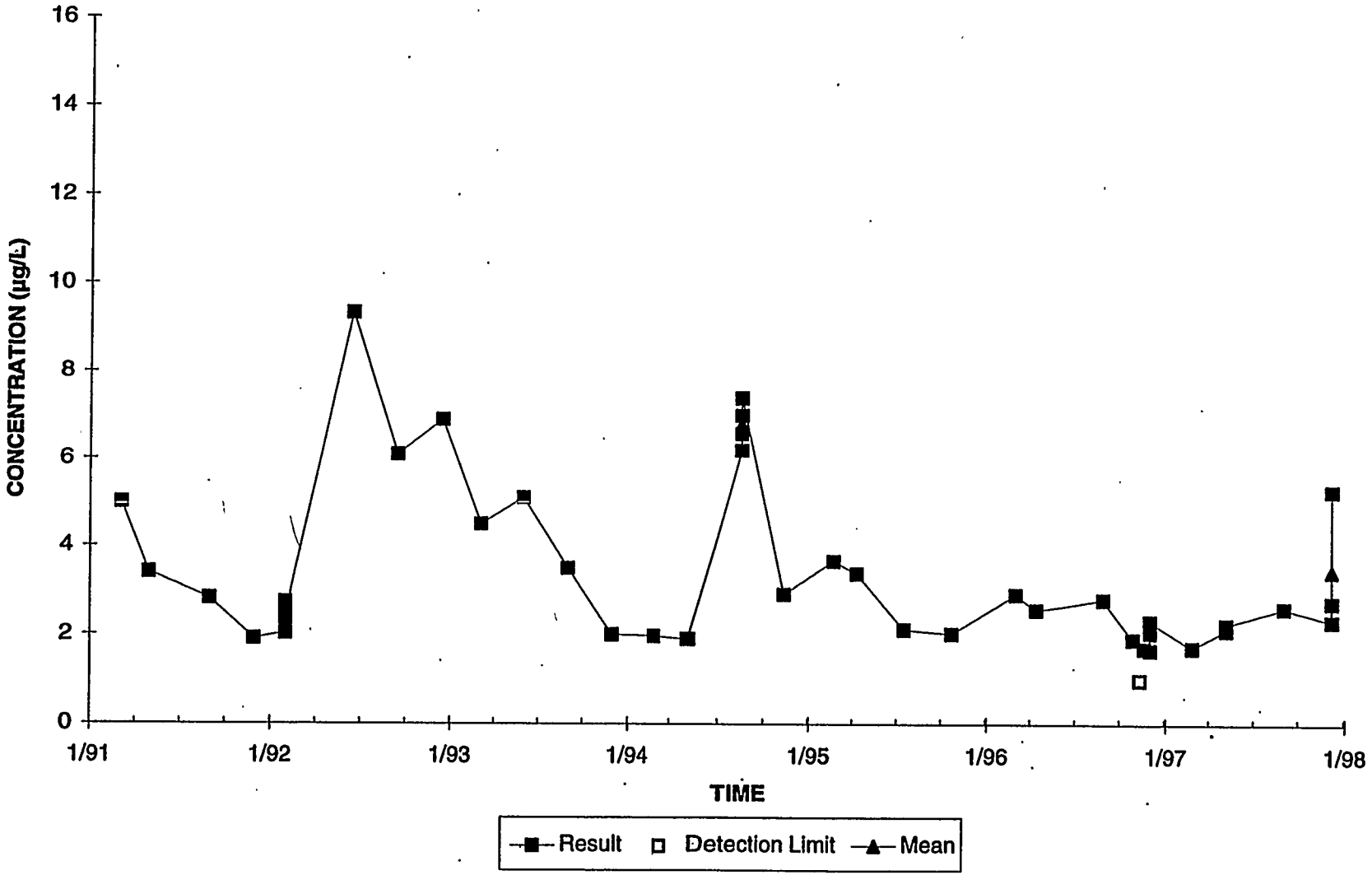
Trichloroethylene Concentrations
Well TNX 4D



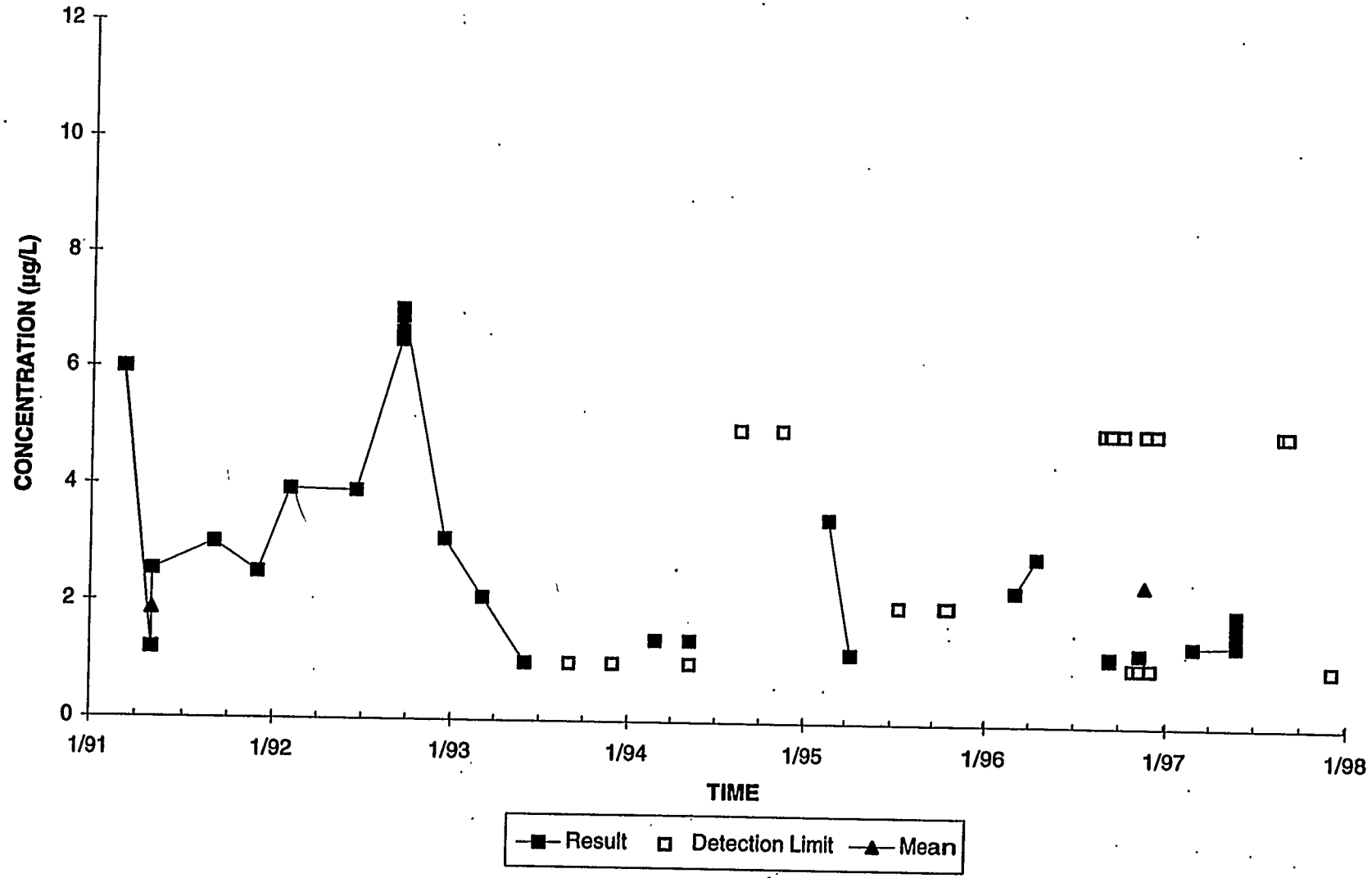
Trichloroethylene Concentrations
Well TNX 7D



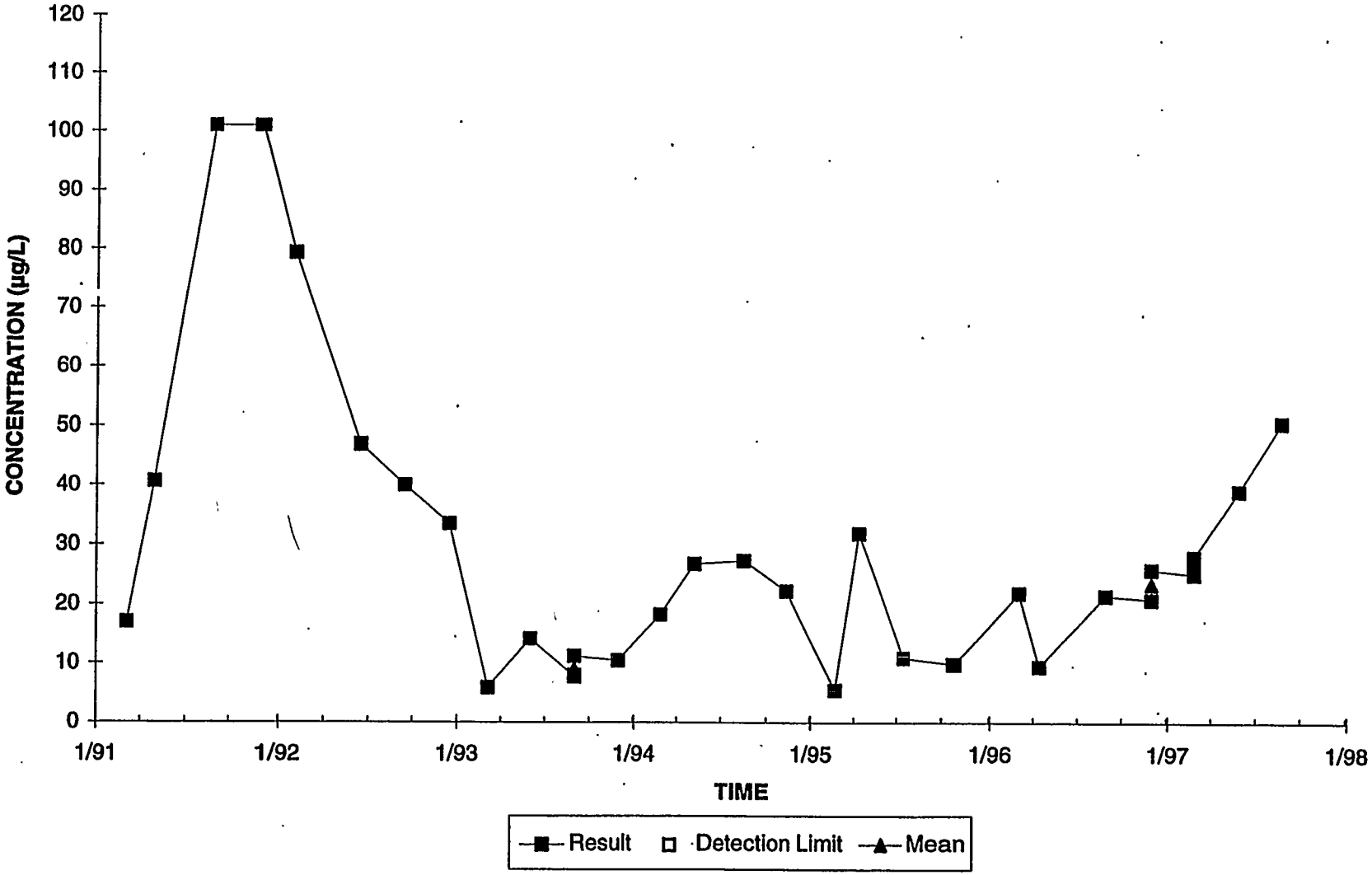
Trichloroethylene Concentrations
Well TNX 8D



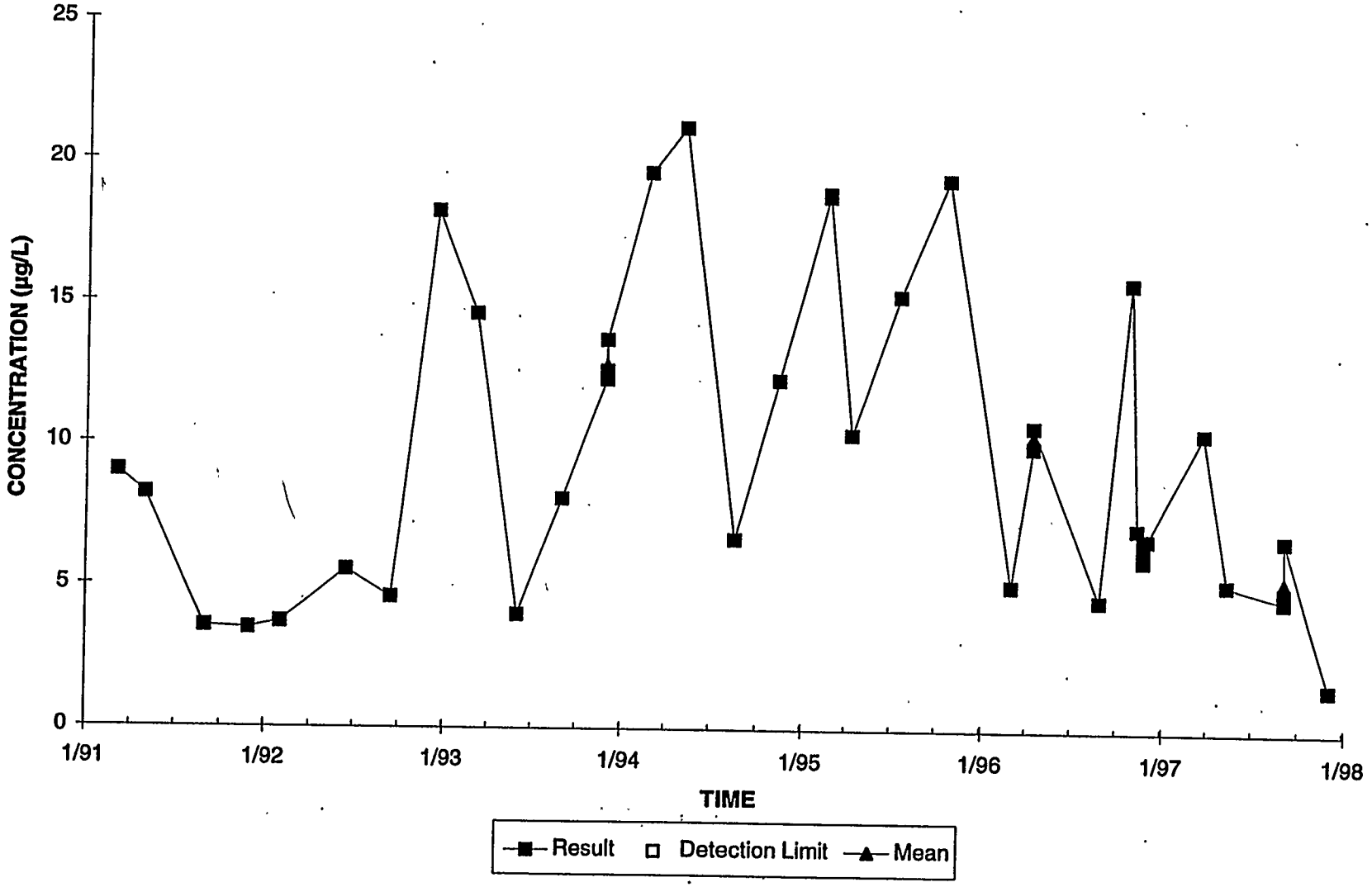
Trichloroethylene Concentrations
Well TNX 9D



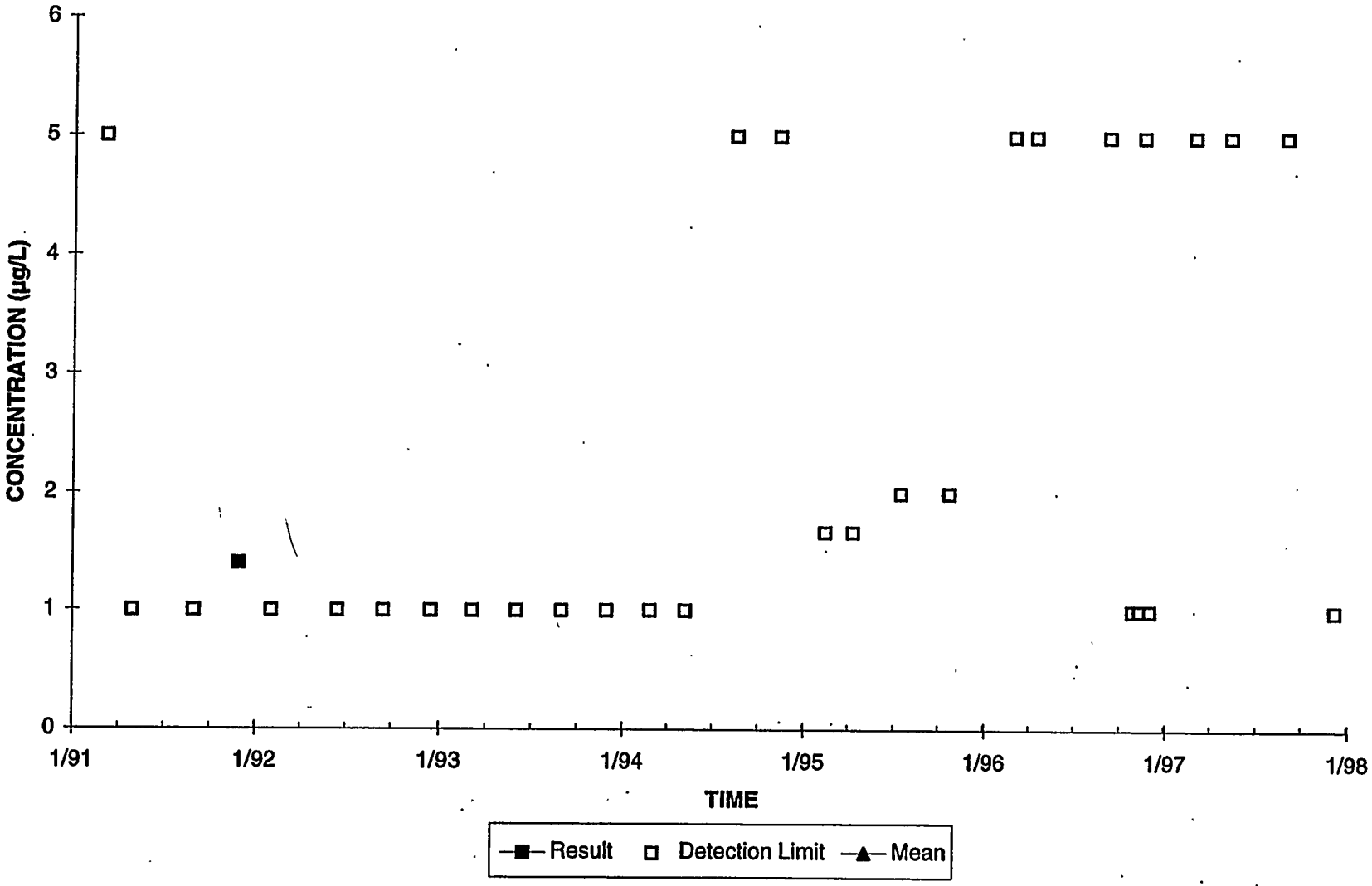
Trichloroethylene Concentrations
Well TNX 10D



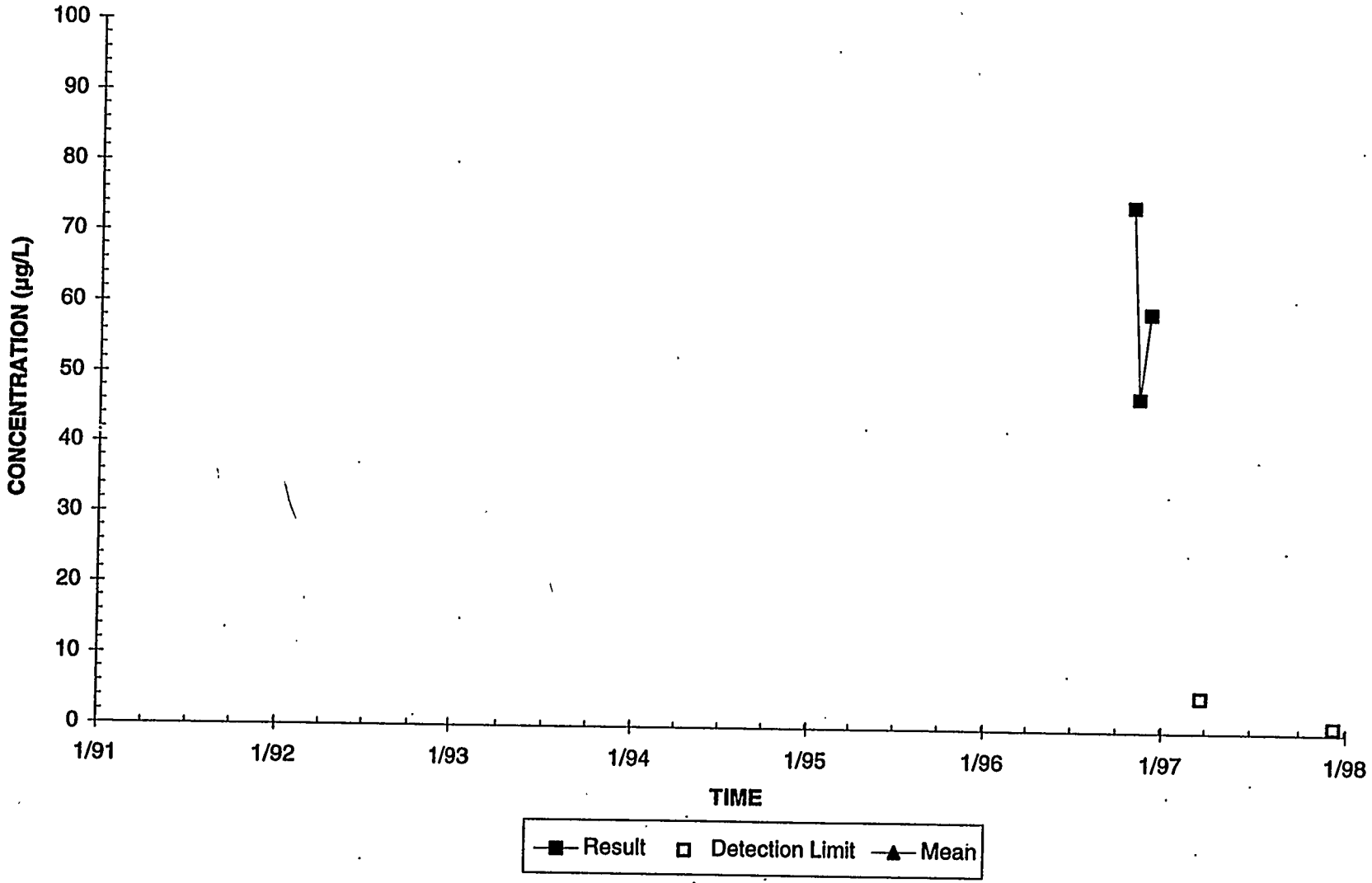
Trichloroethylene Concentrations
Well TNX 11D



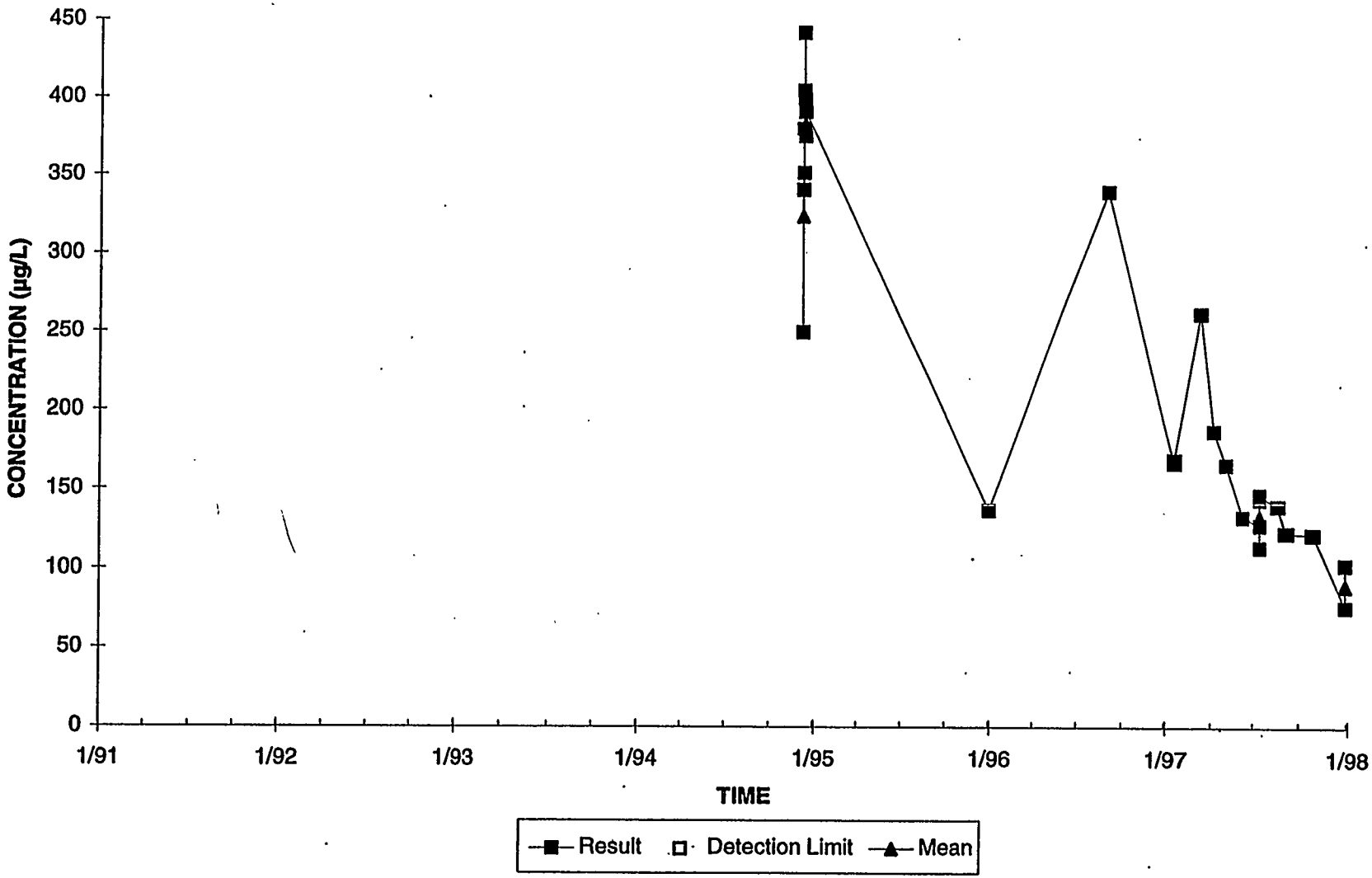
Trichloroethylene Concentrations
Well TNX 12D



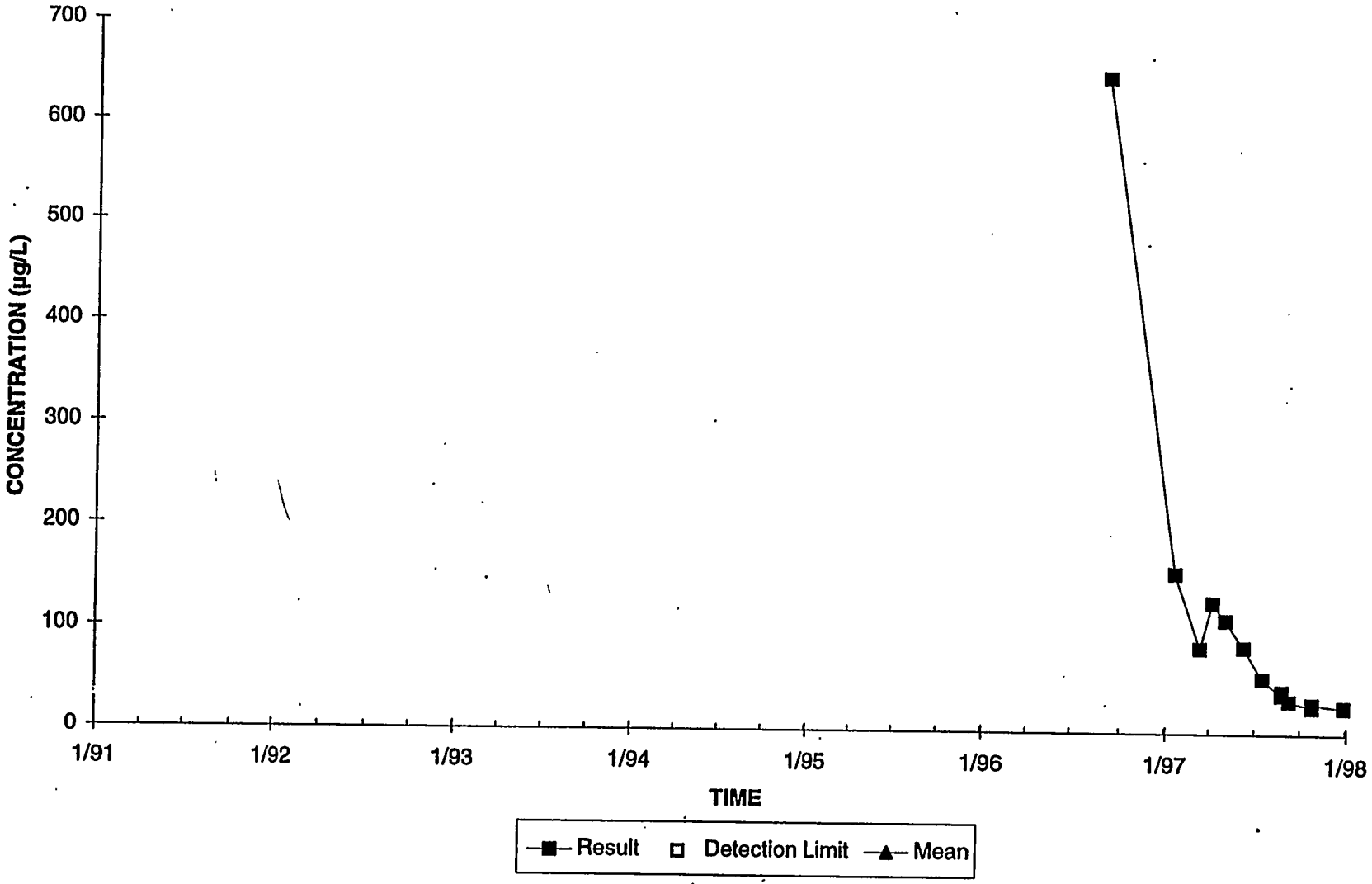
Trichloroethylene Concentrations
Well TNX 27D



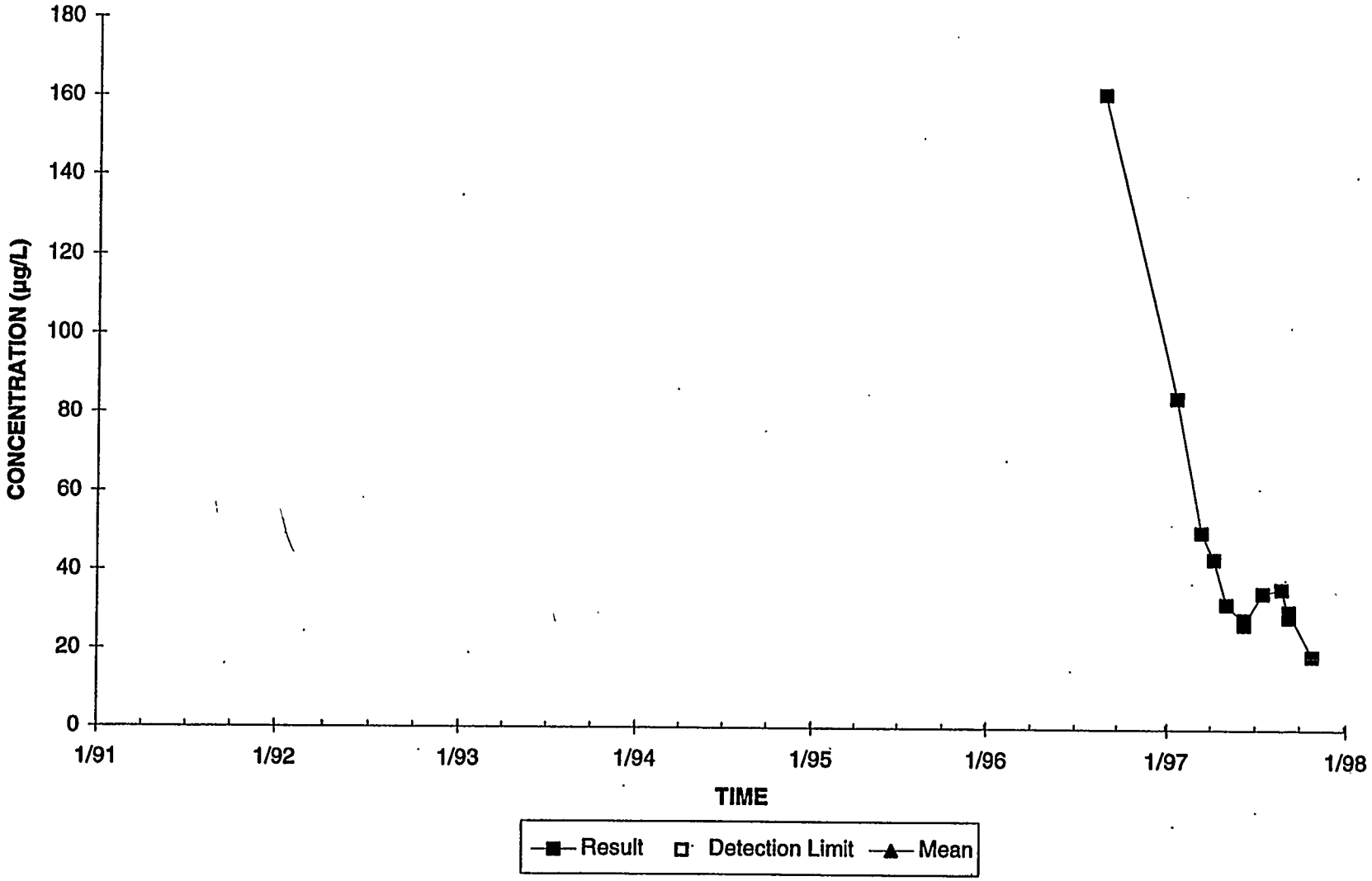
Trichloroethylene Concentrations
Well TRW 1



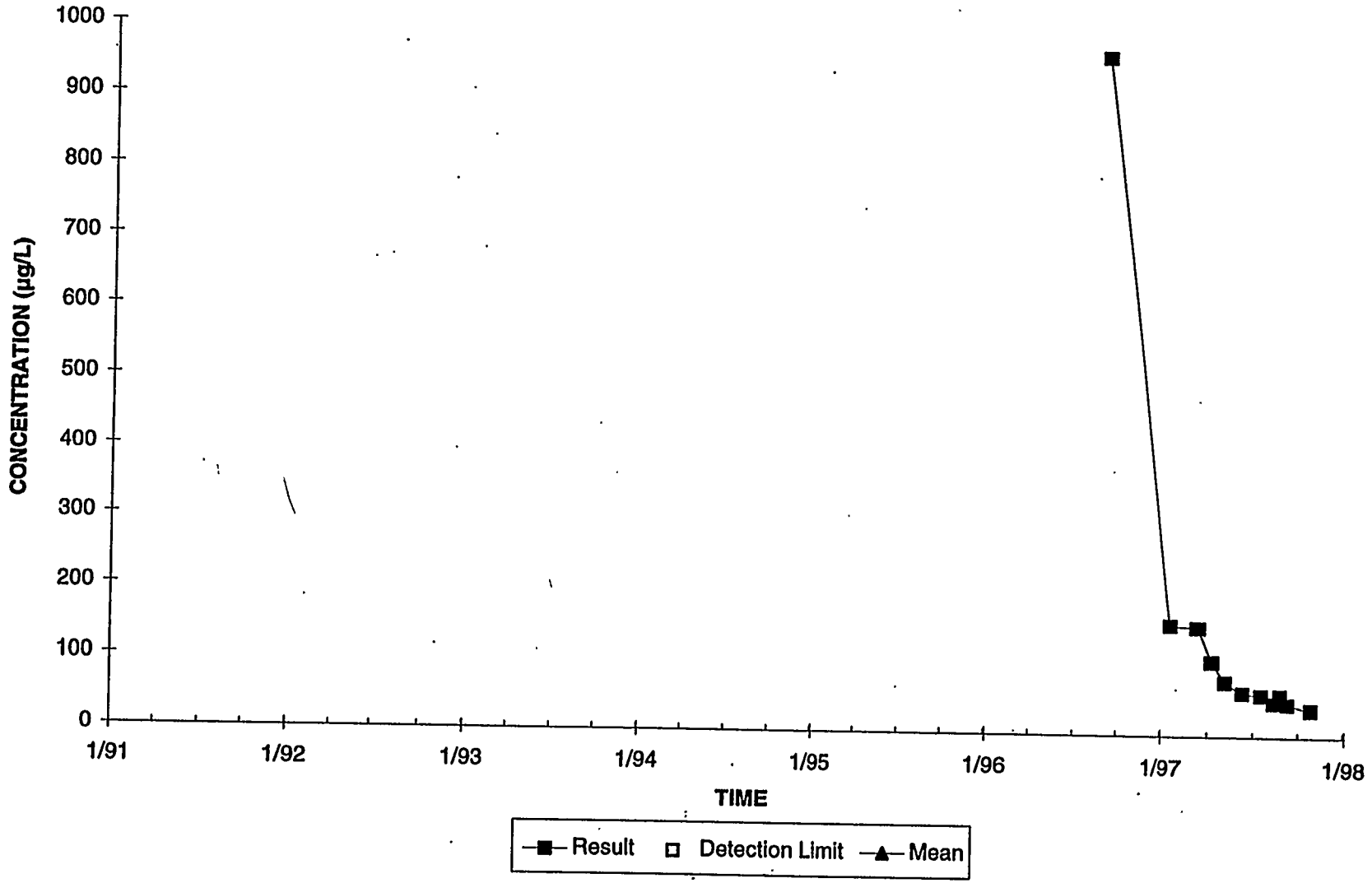
Trichloroethylene Concentrations
Well TRW 2



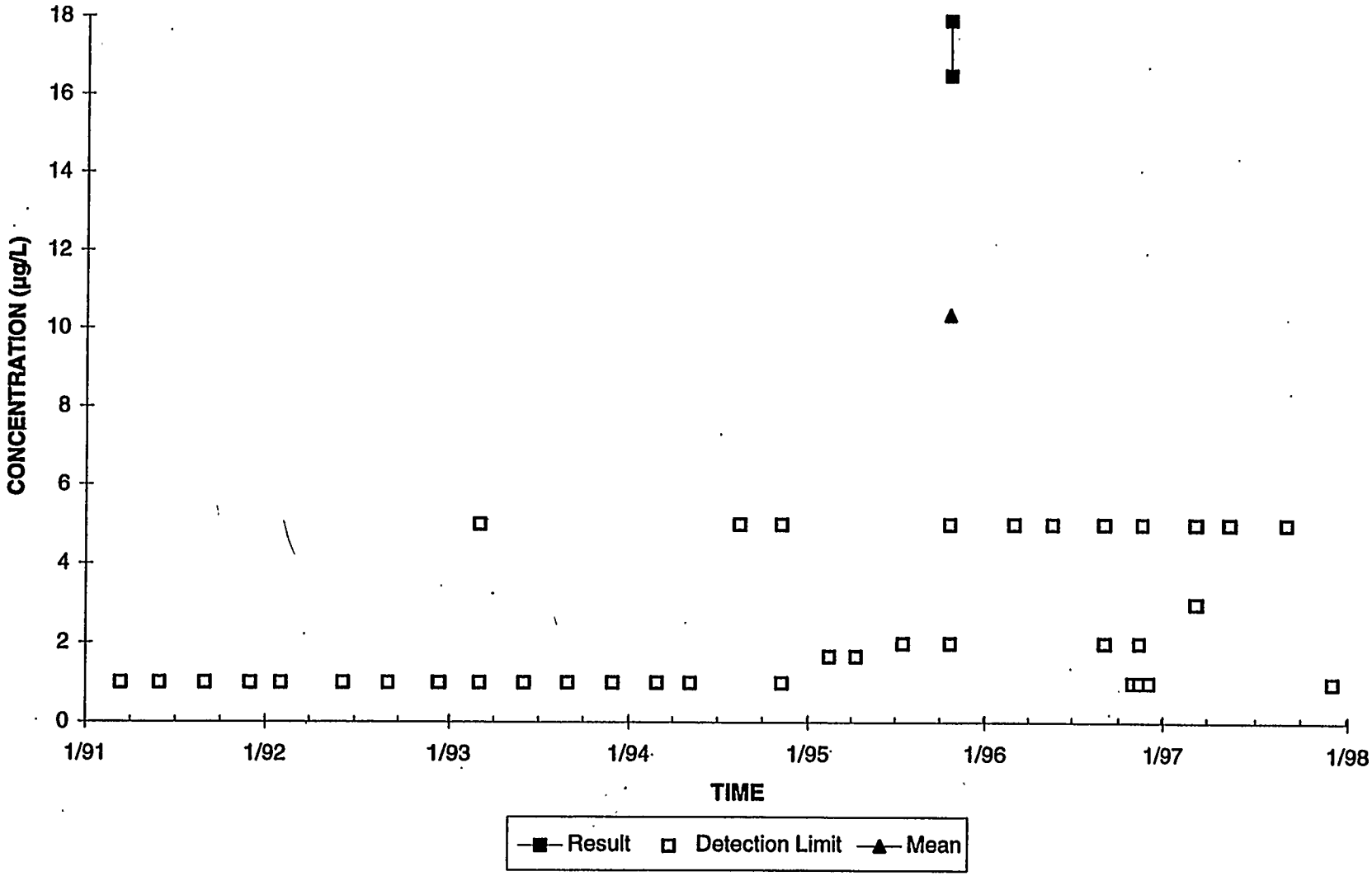
Trichloroethylene Concentrations
Well TRW 3



Trichloroethylene Concentrations
Well TRW 4



Trichloroethylene Concentrations
Well XSB 1A



Trichloroethylene Concentrations
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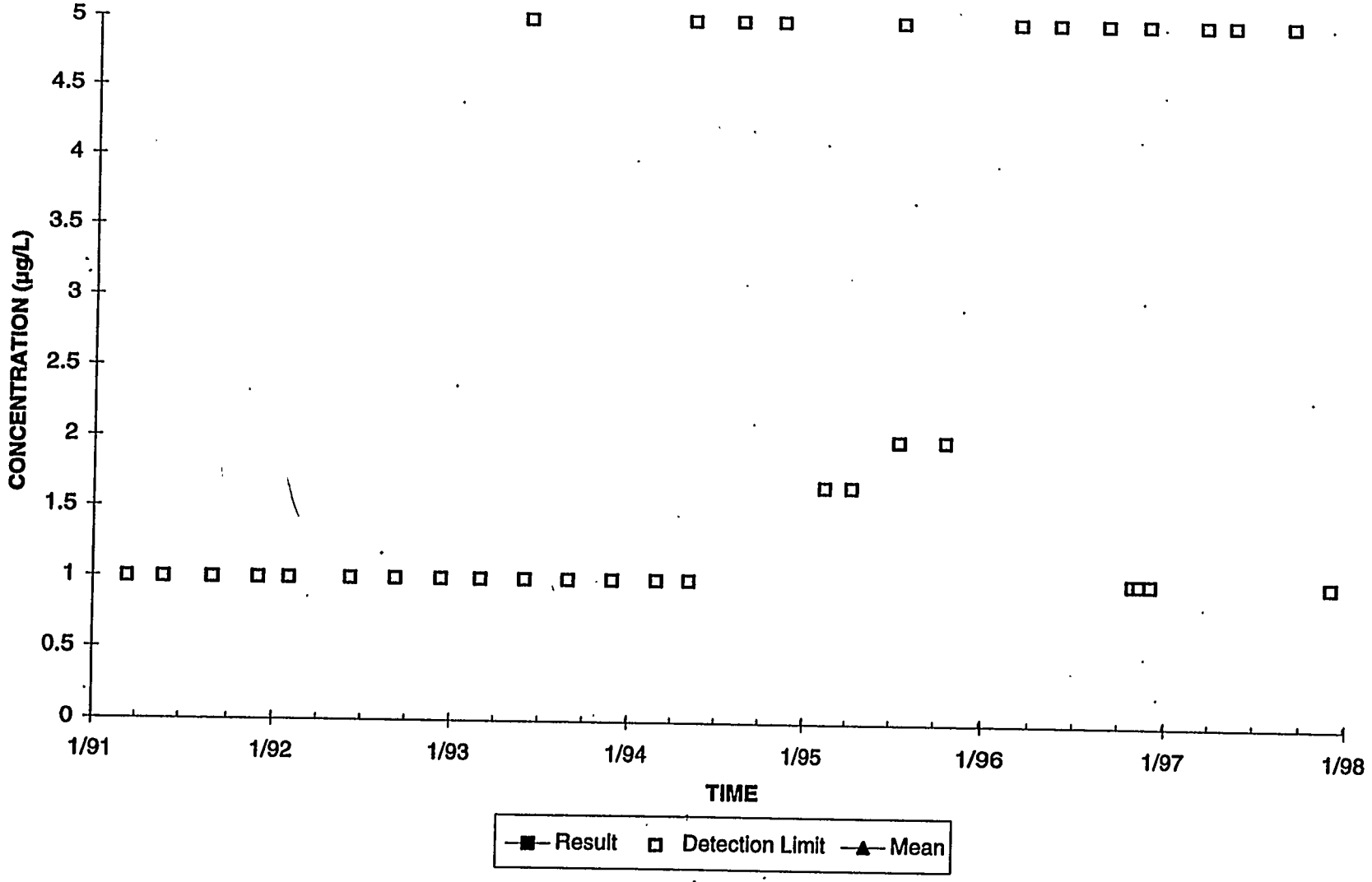
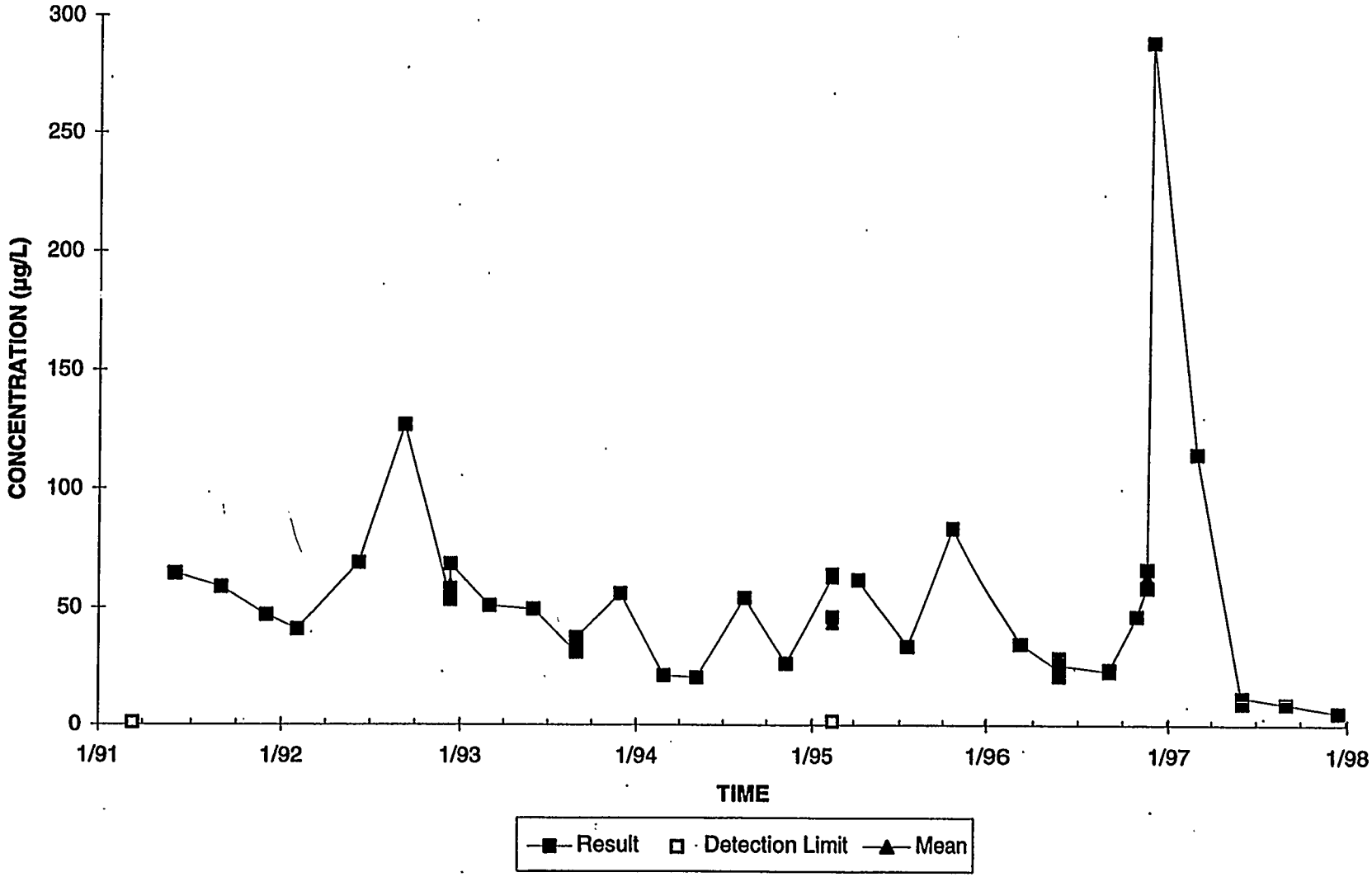
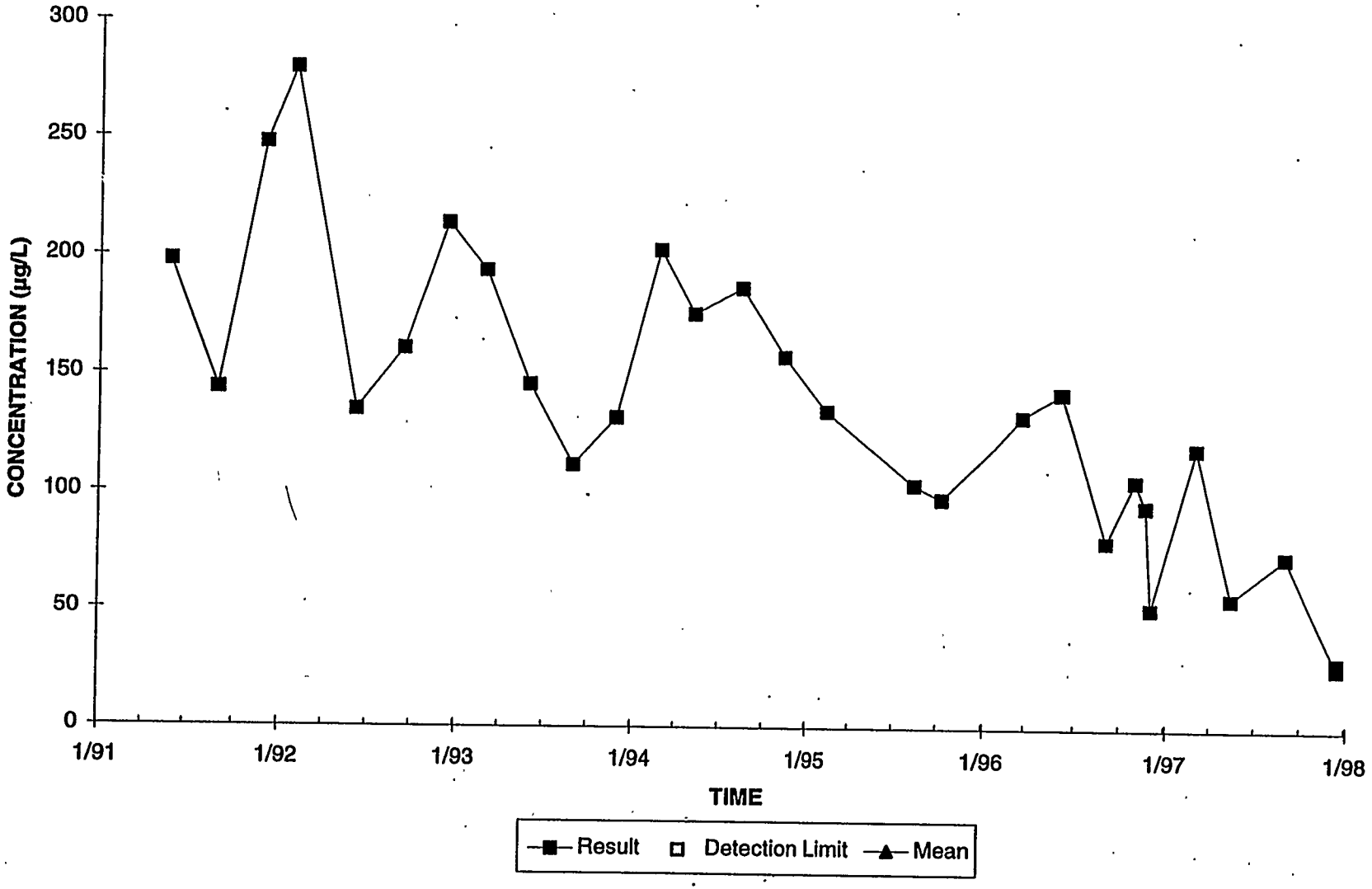


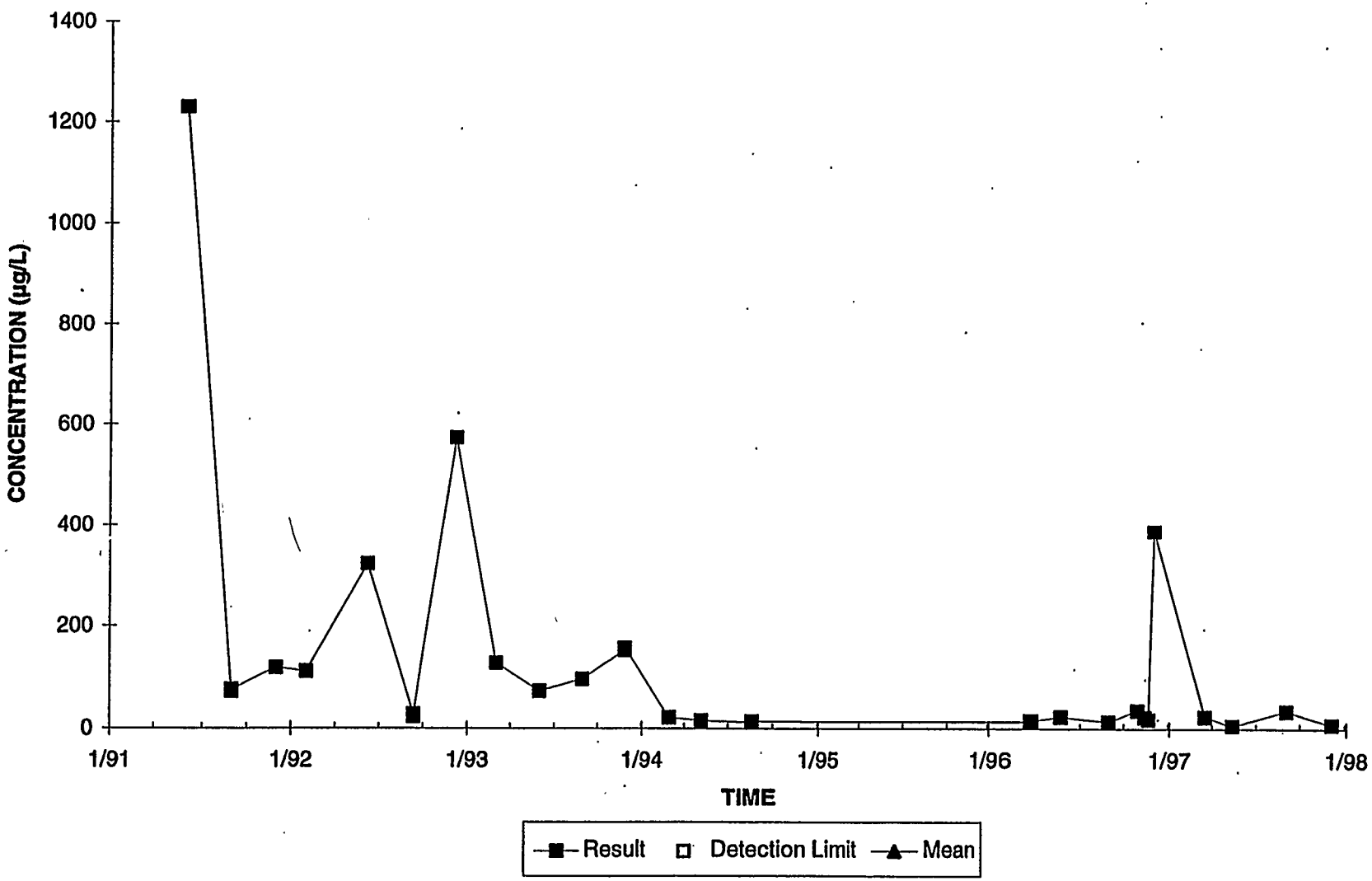
Trichloroethylene Concentrations
Well XSB 1D



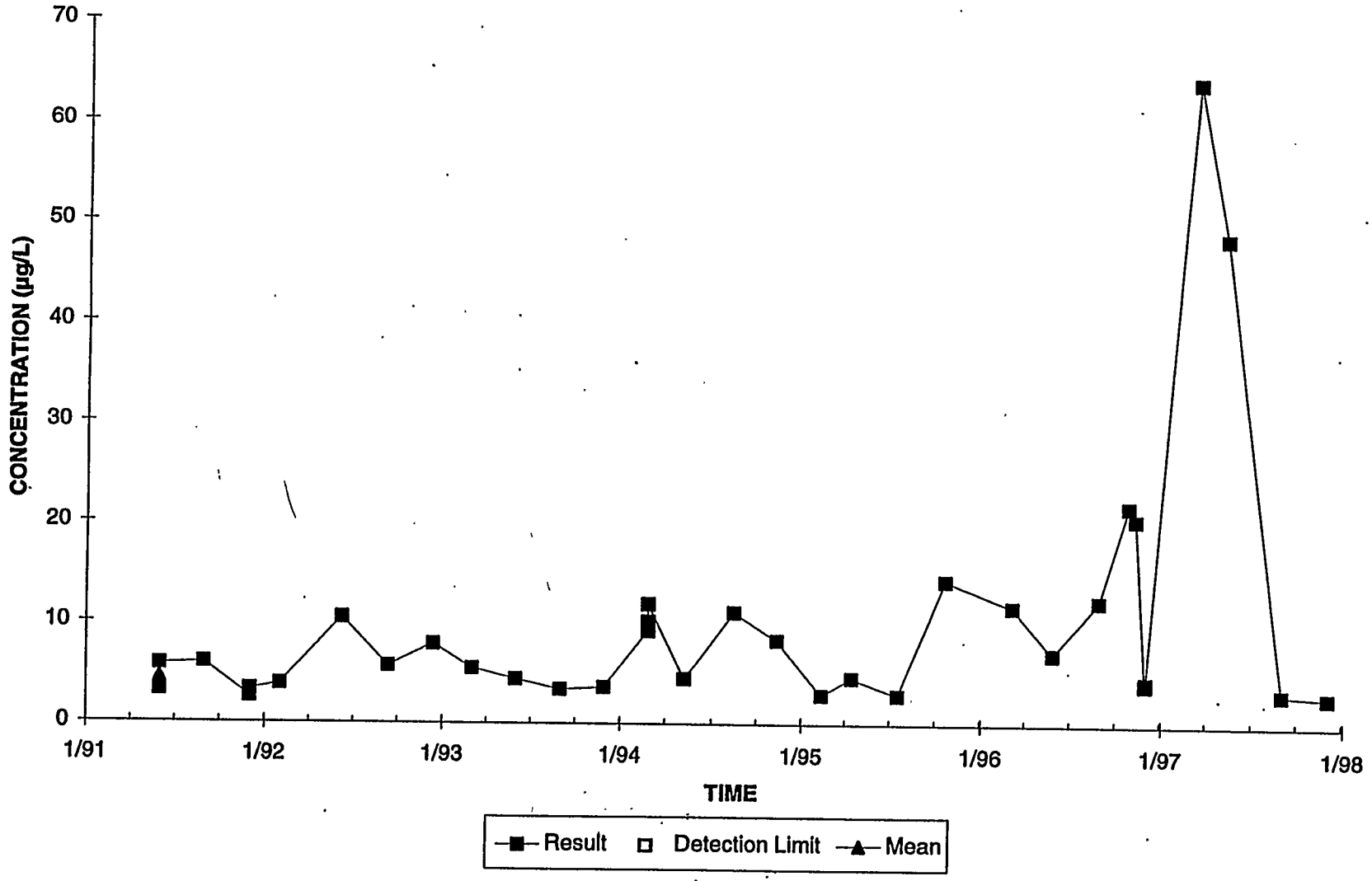
Trichloroethylene Concentrations
Well XSB 2D



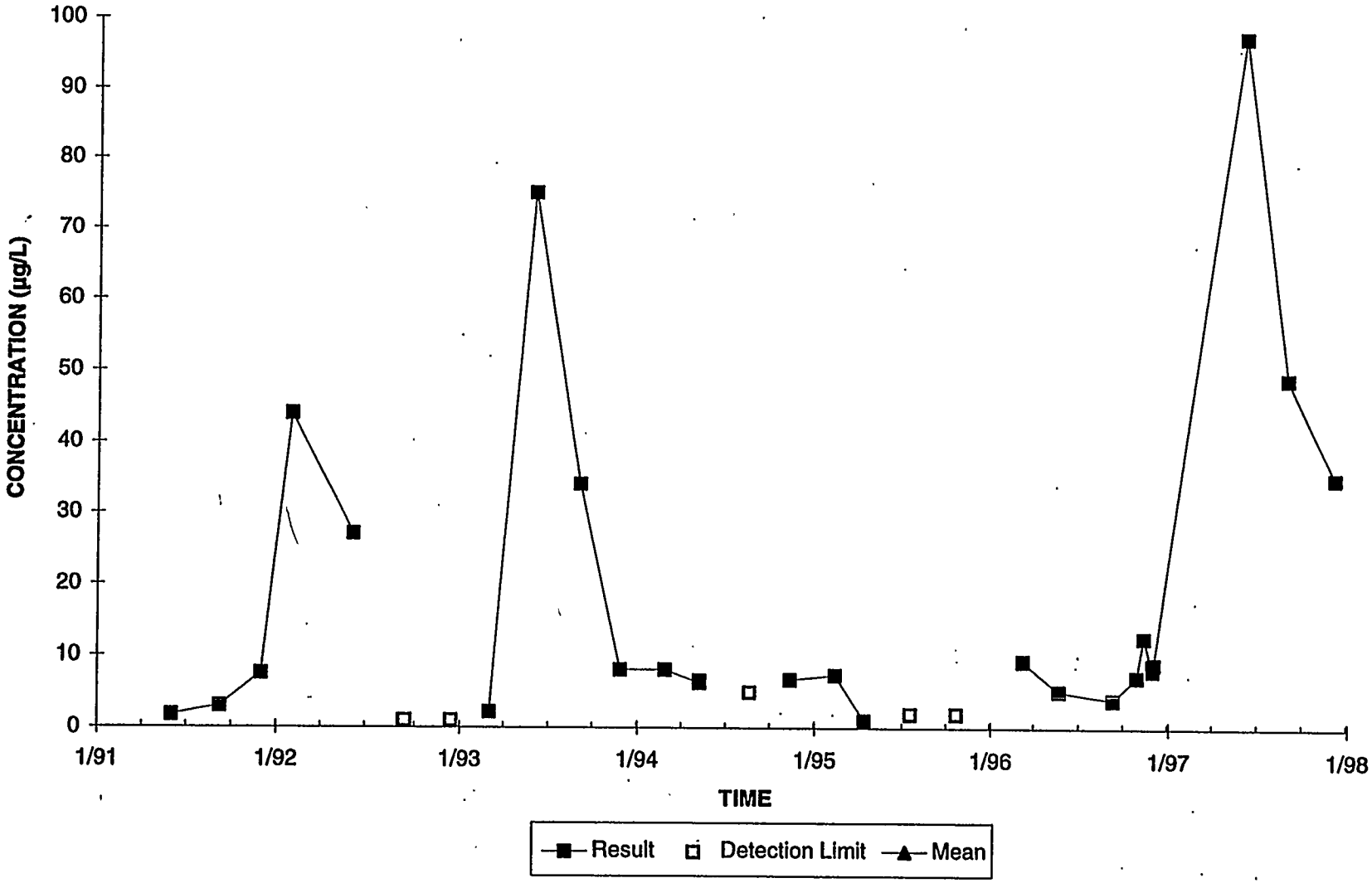
Trichloroethylene Concentrations
Well XSB 3A



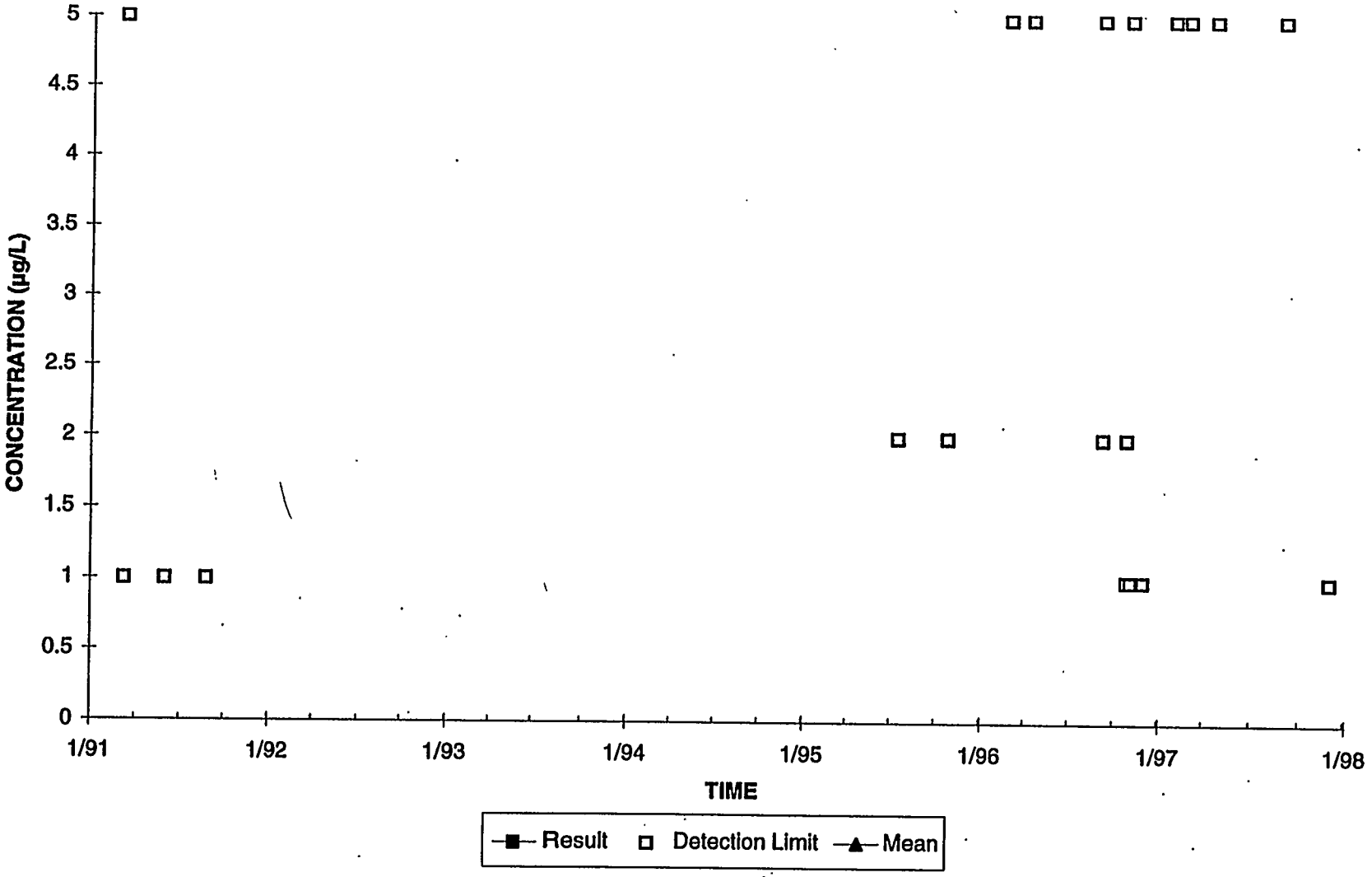
Trichloroethylene Concentrations
Well XSB 4D



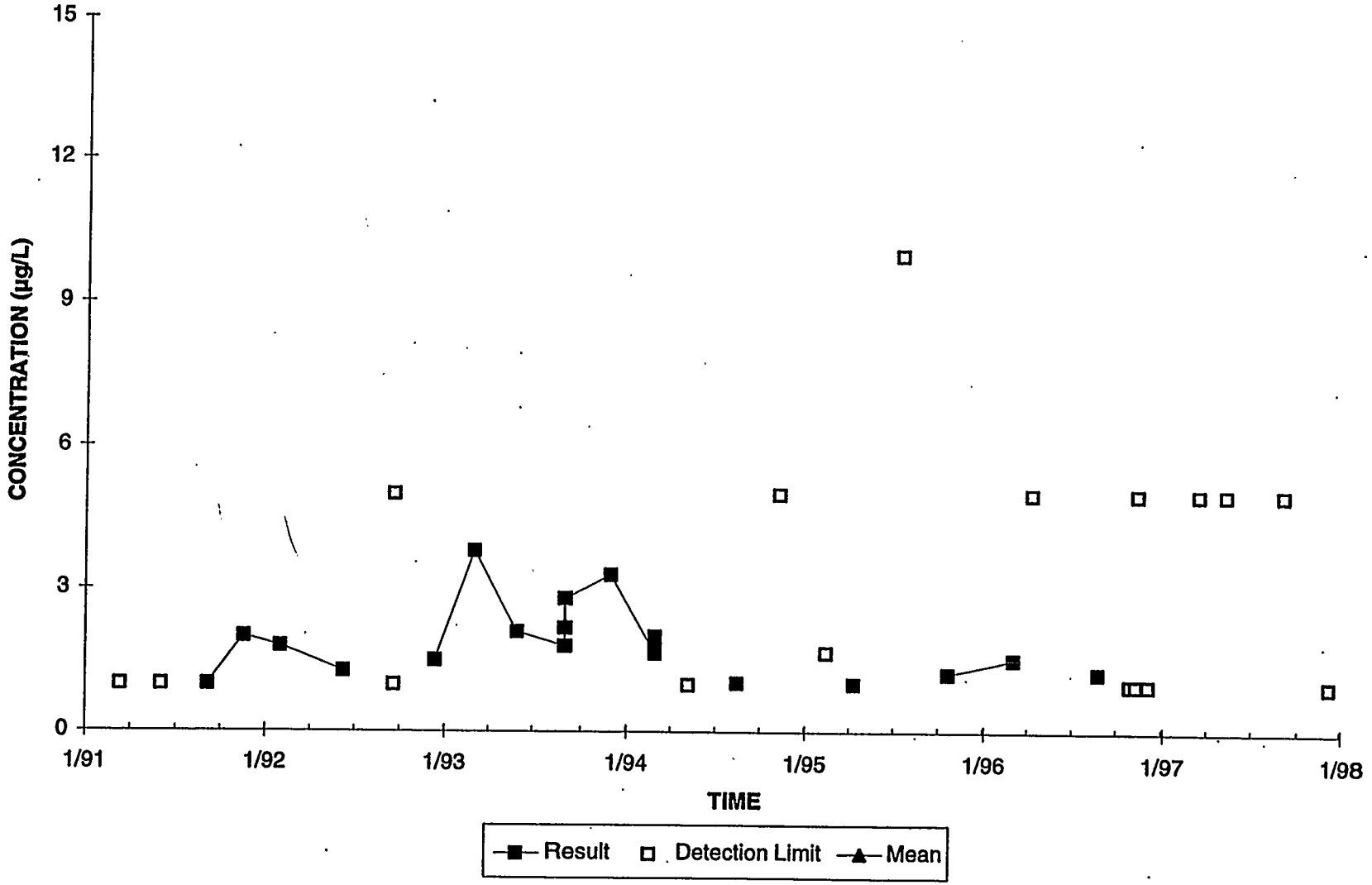
Trichloroethylene Concentrations
Well XSB 5A



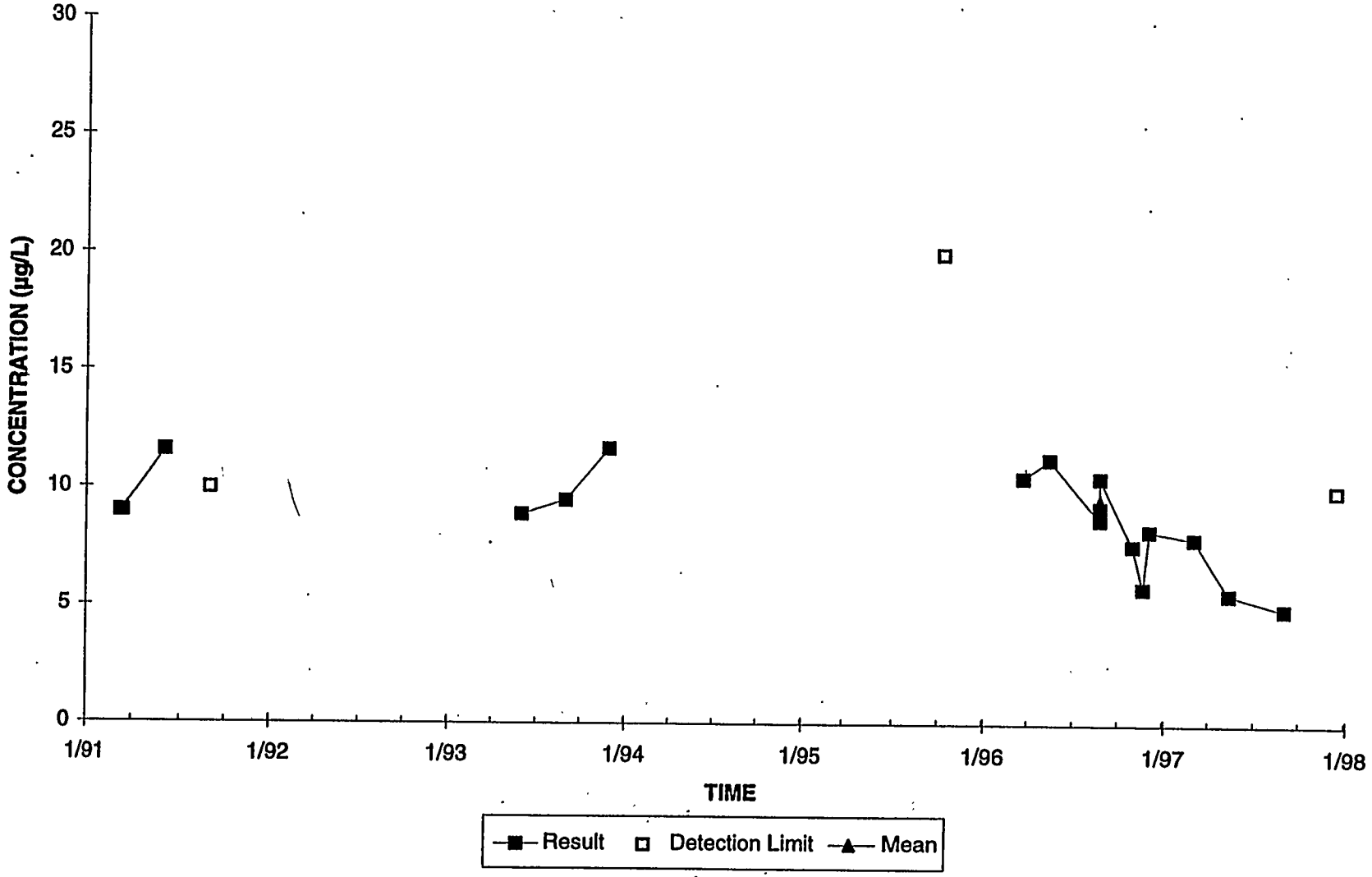
Tetrachloroethylene Concentrations
Well P 26A



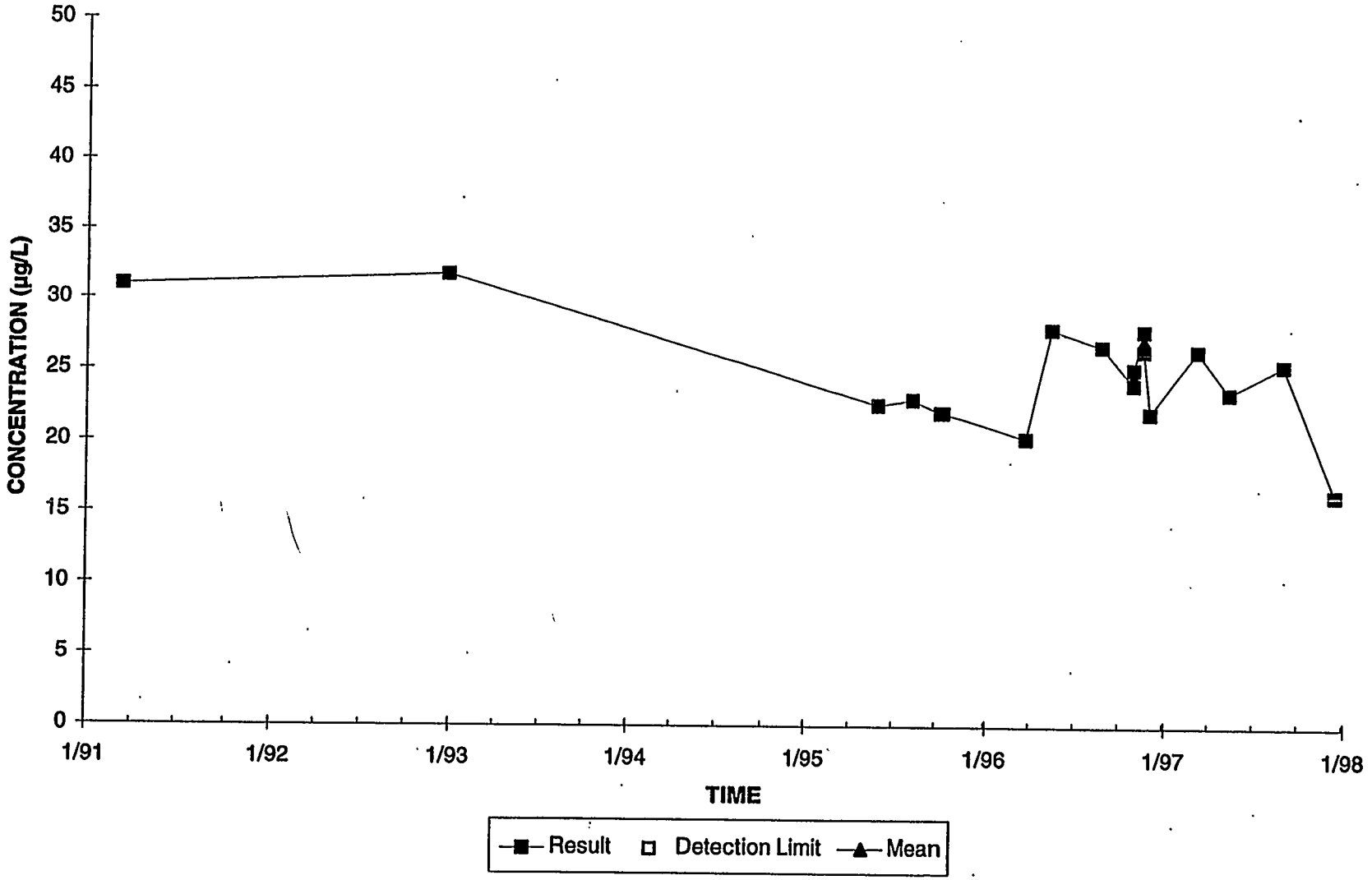
Tetrachloroethylene Concentrations
Well TBG 1



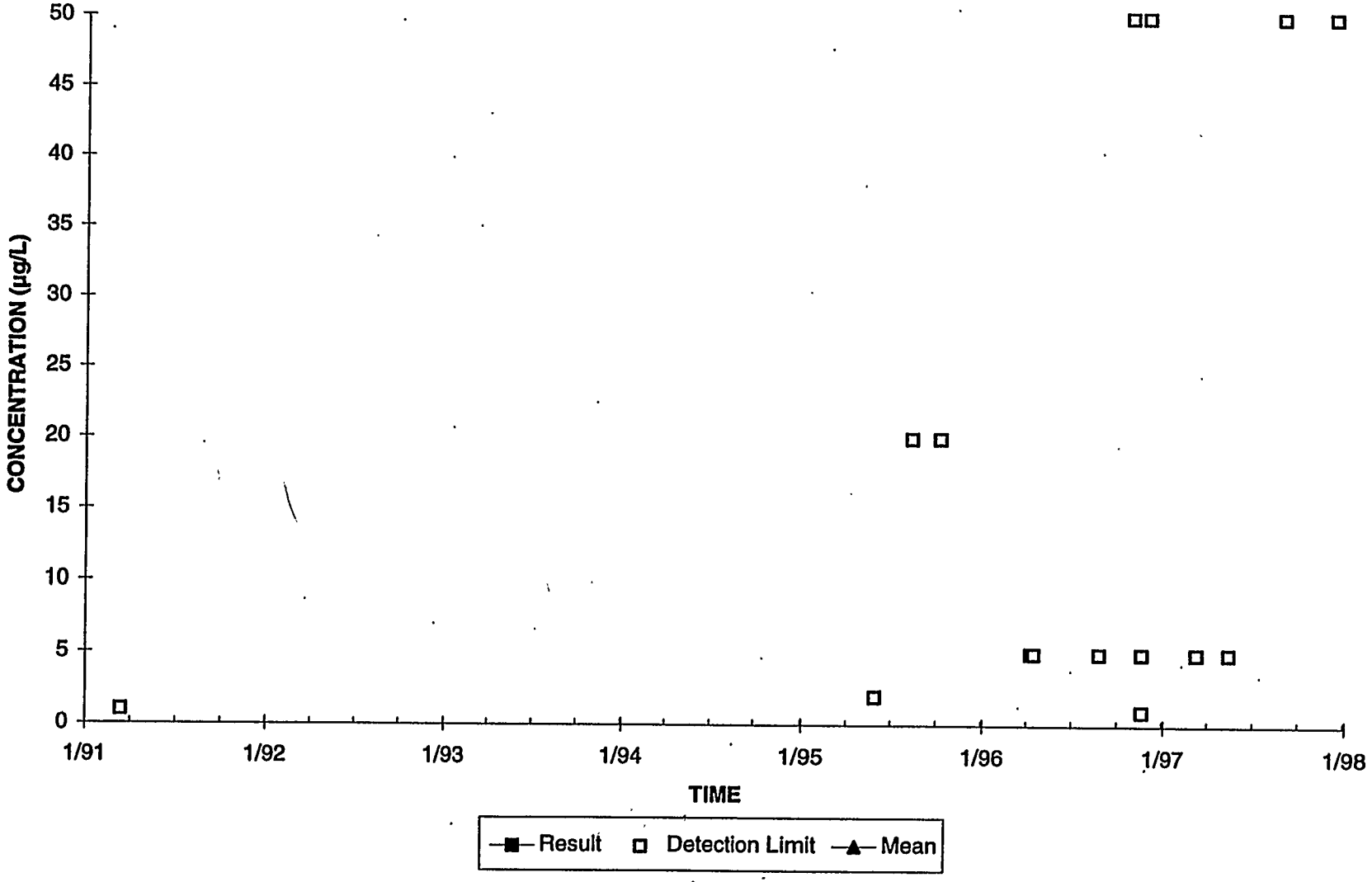
Tetrachloroethylene Concentrations
Well TBG 3



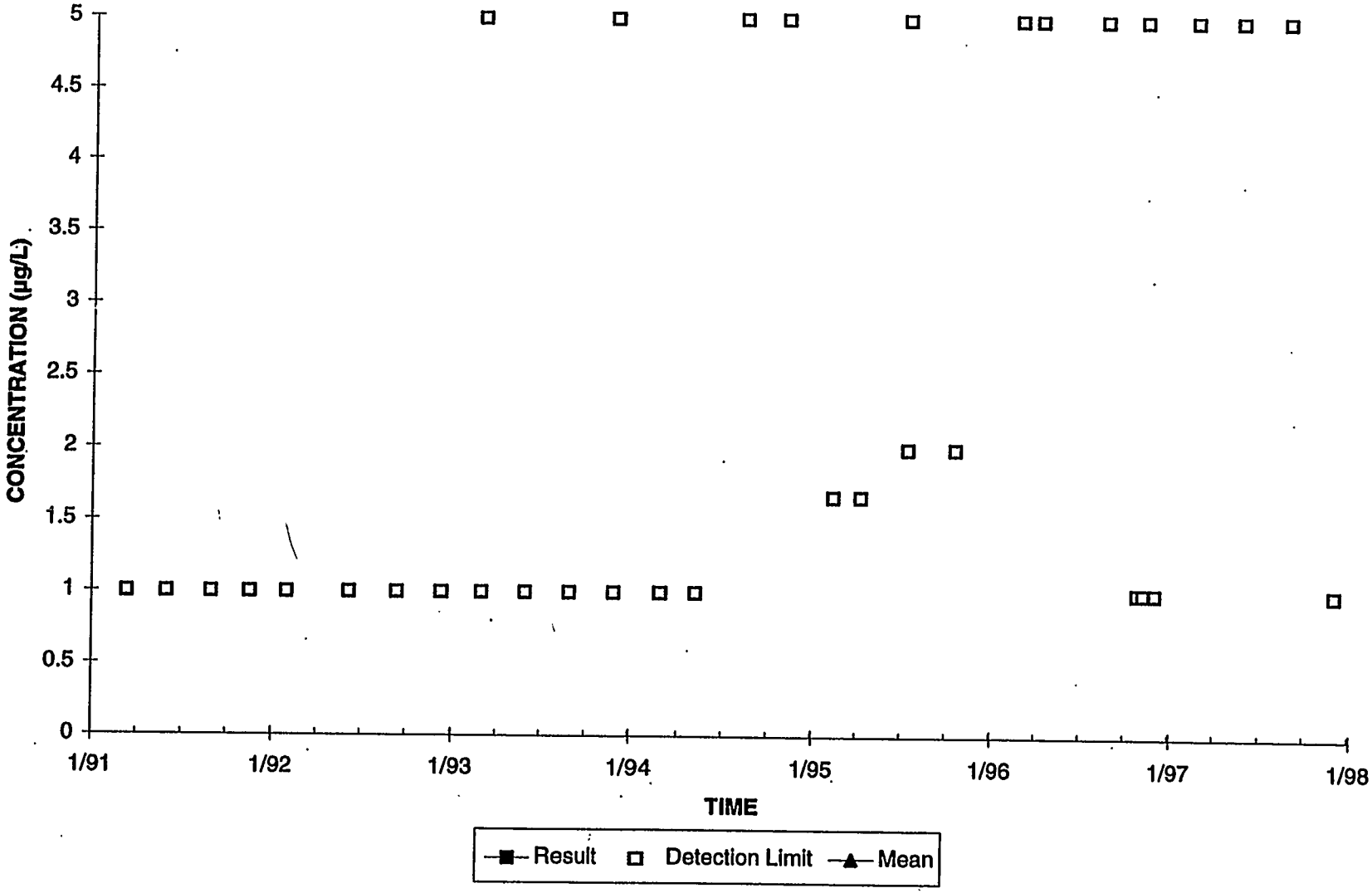
Tetrachloroethylene Concentrations
Well TBG 4



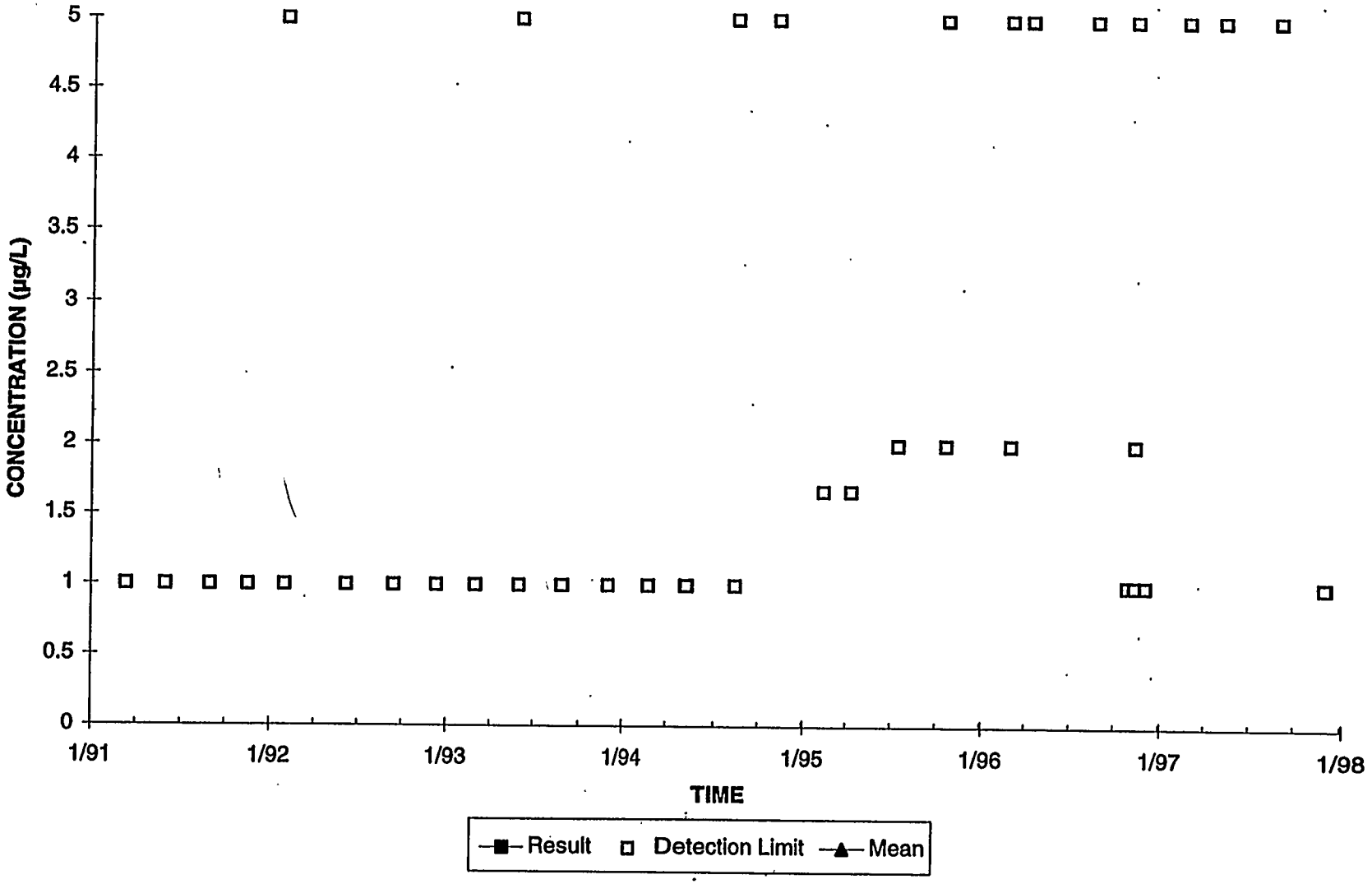
Tetrachloroethylene Concentrations
Well TBG 5



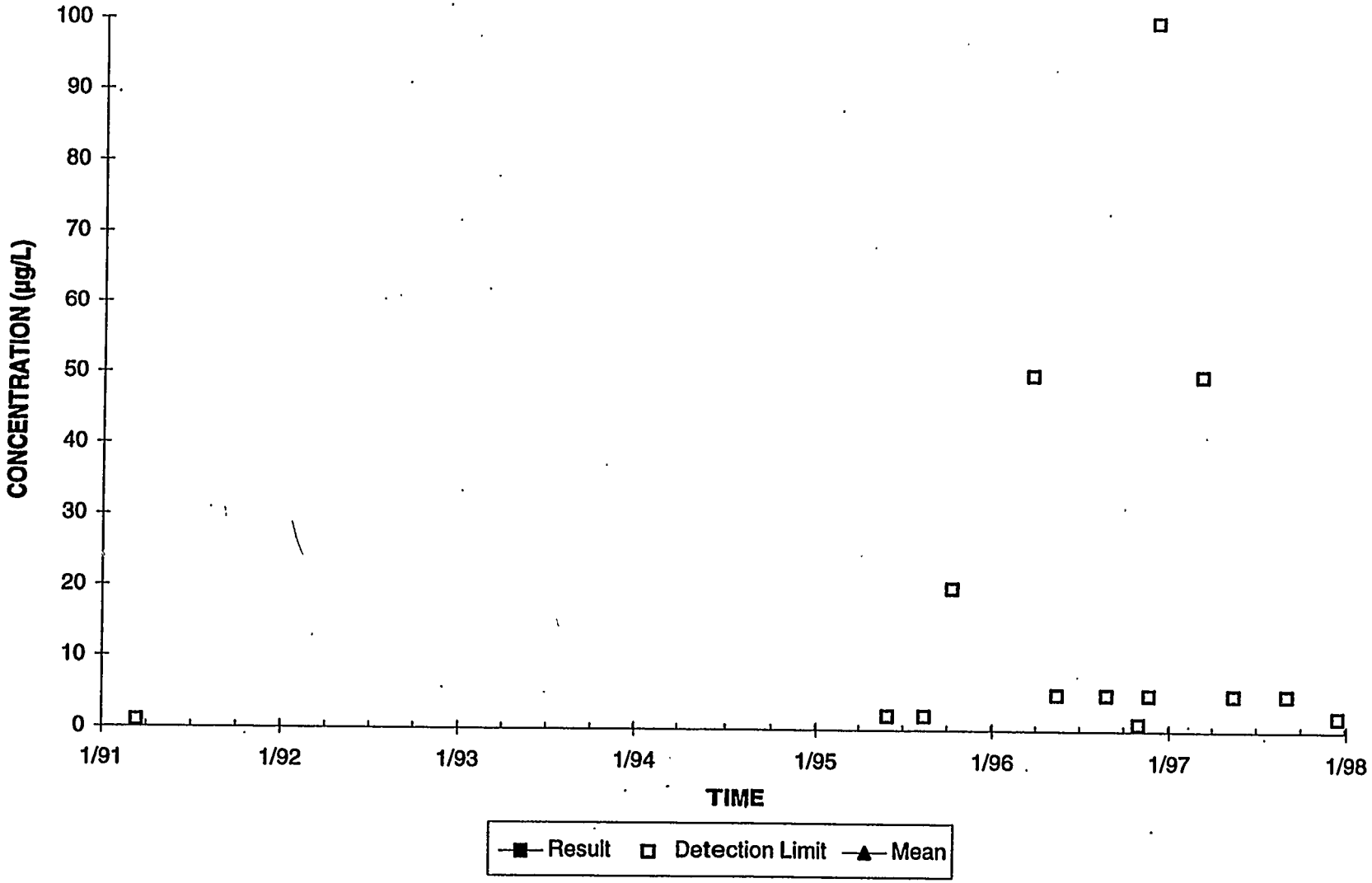
Tetrachloroethylene Concentrations
Well TBG 5A



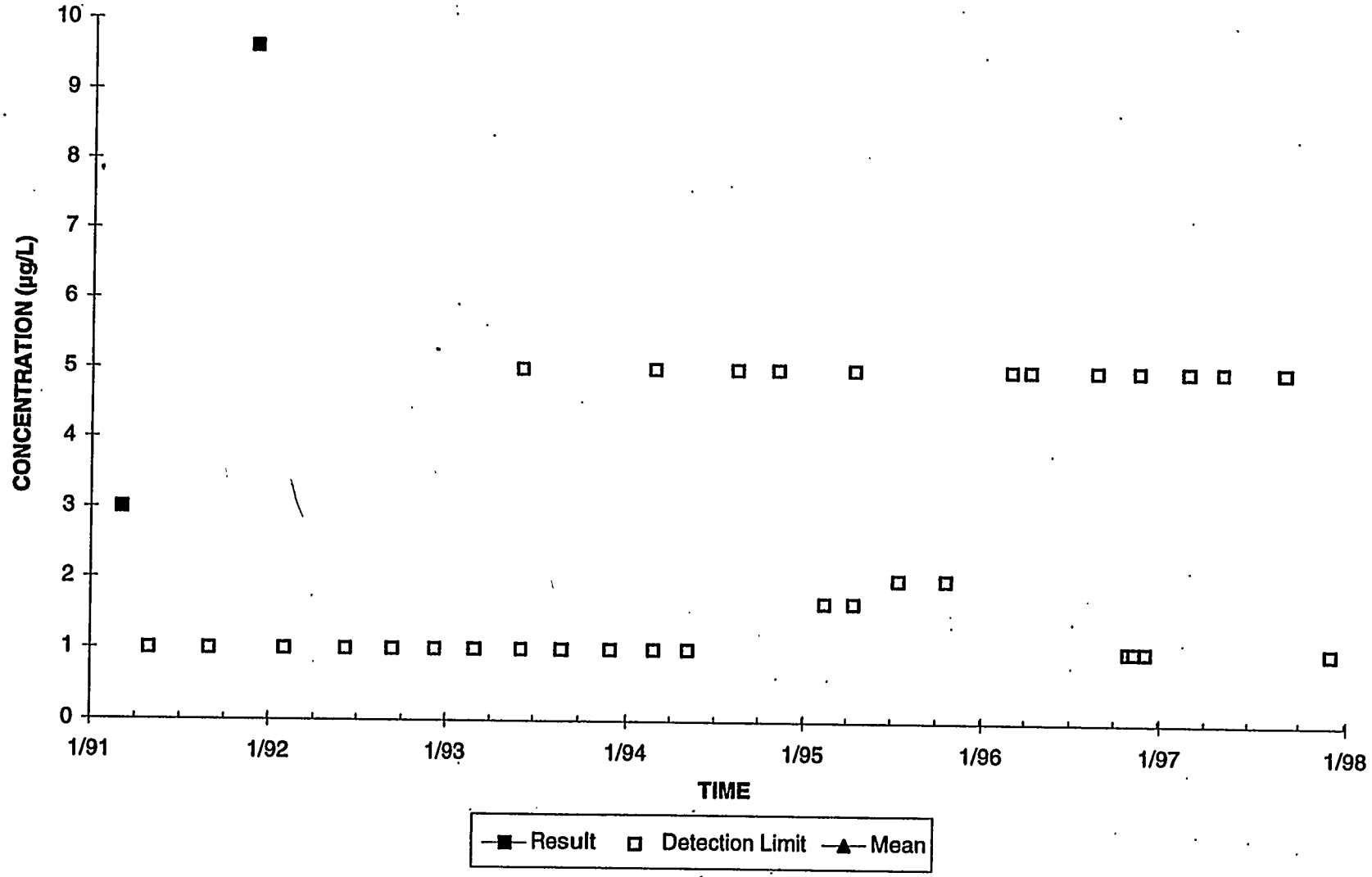
Tetrachloroethylene Concentrations
Well TBG 5B



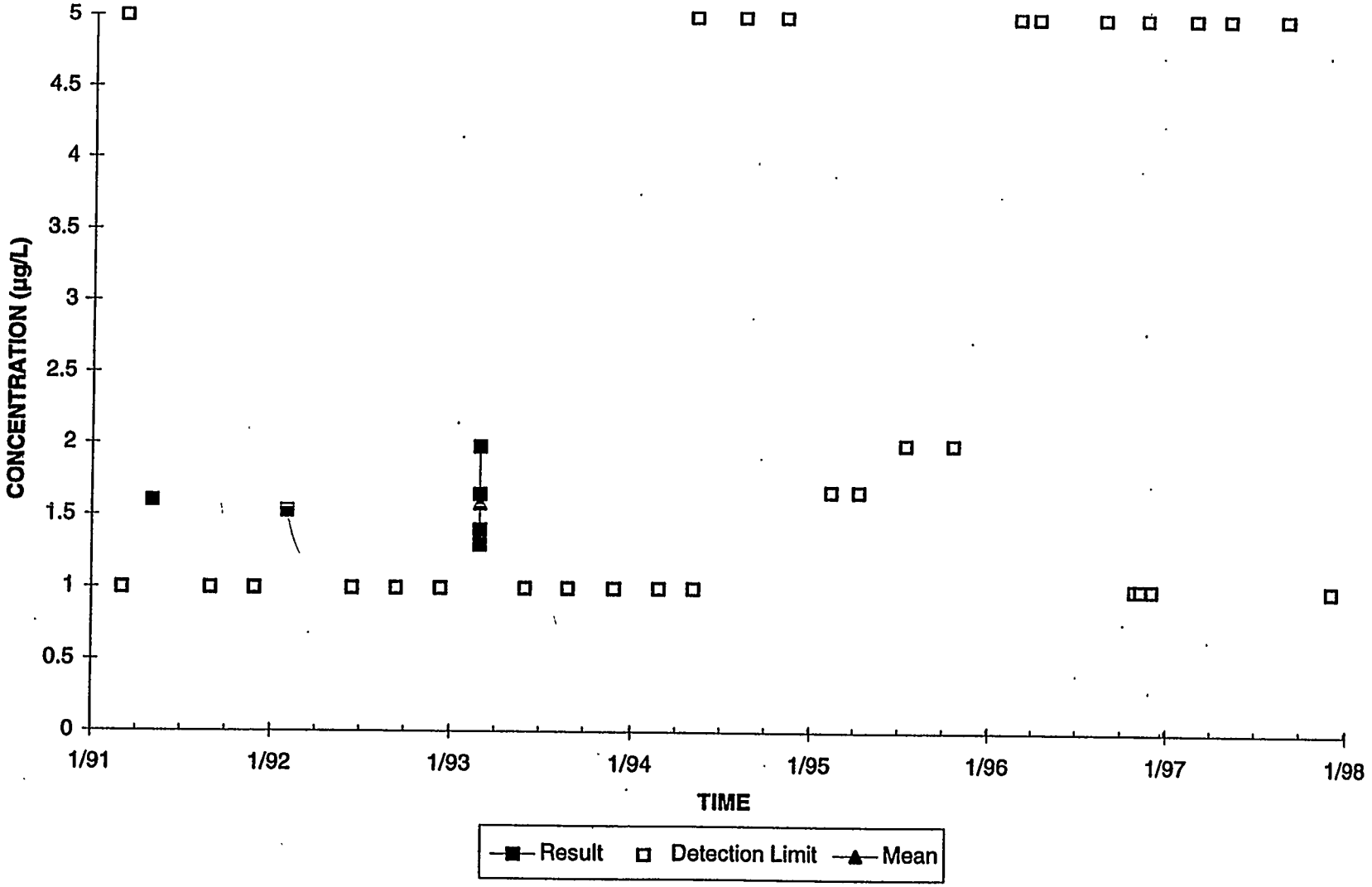
Tetrachloroethylene Concentrations
Well TBG 6



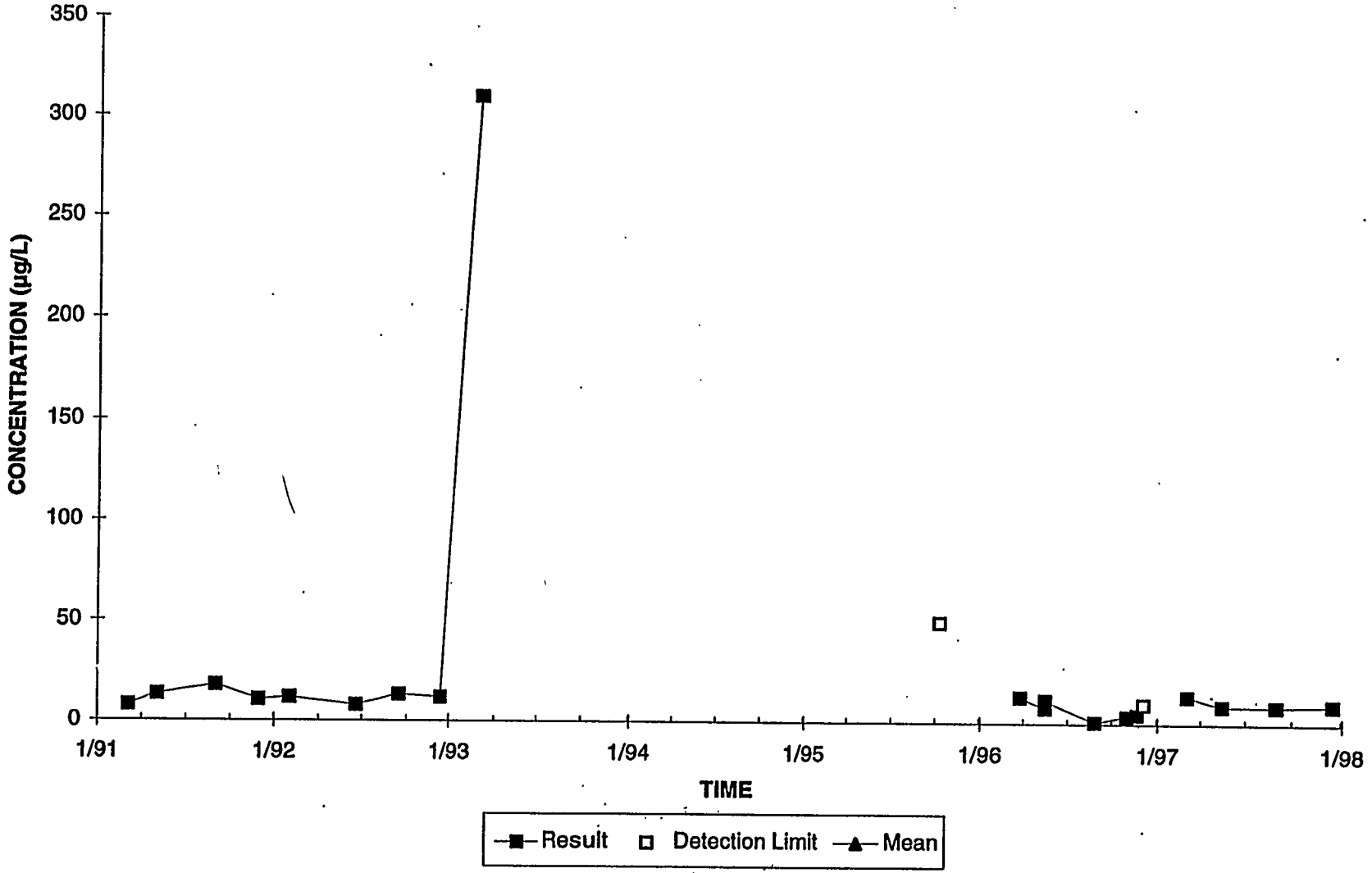
Tetrachloroethylene Concentrations
Well TNX 1D



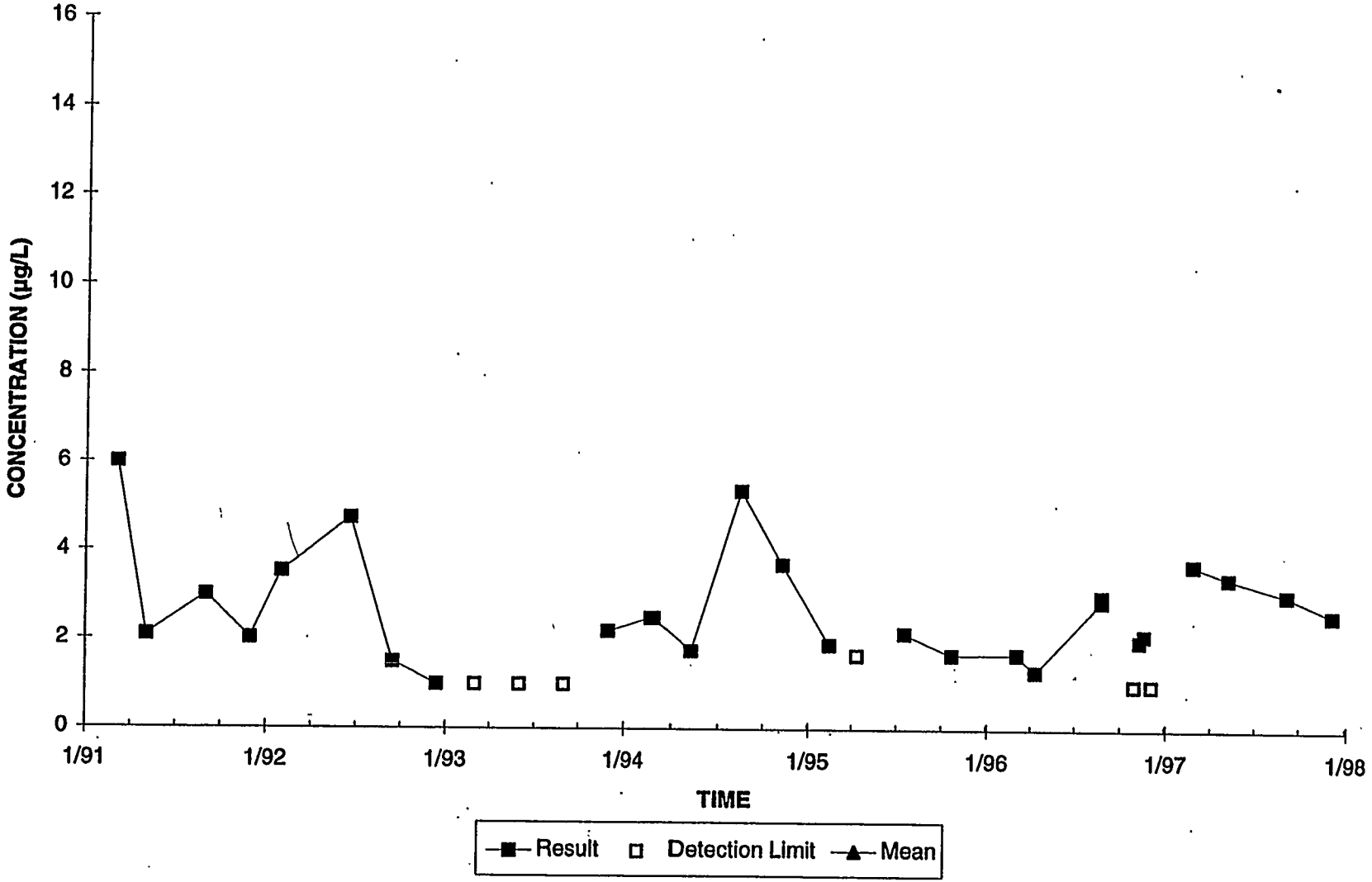
Tetrachloroethylene Concentrations
Well TNX 2D



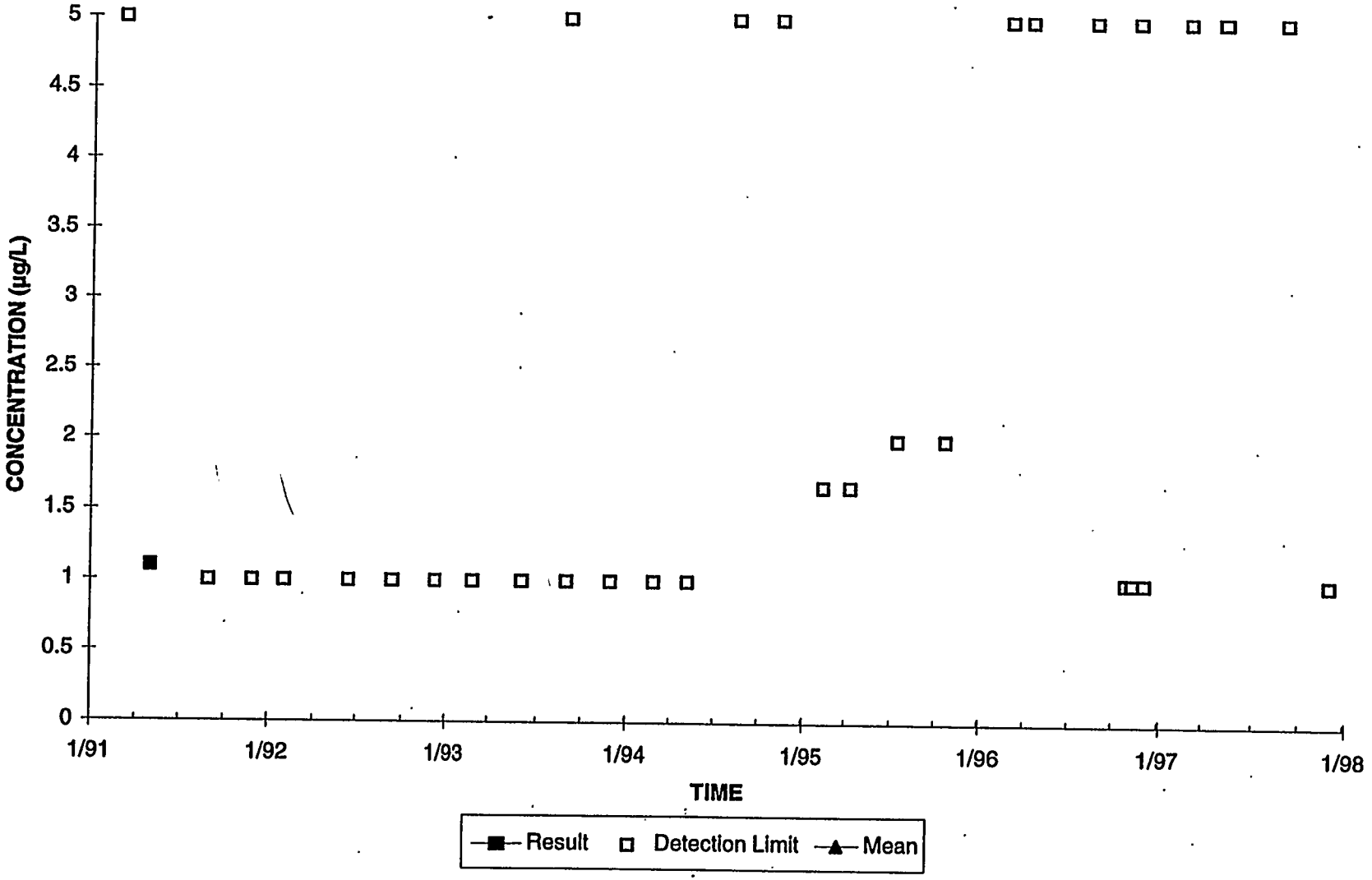
Tetrachloroethylene Concentrations
Well TNX 3D



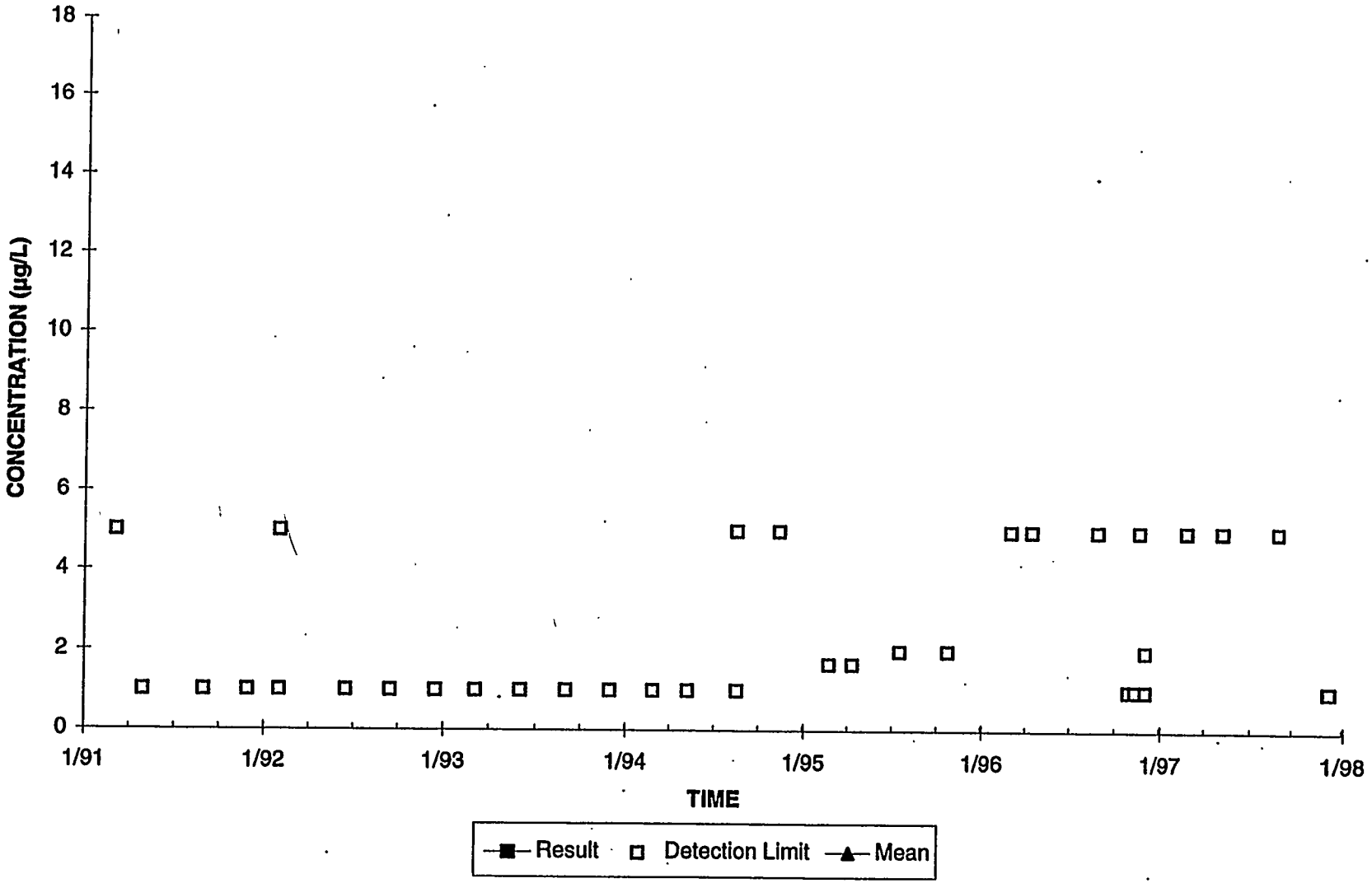
Tetrachloroethylene Concentrations
Well TNX 4D



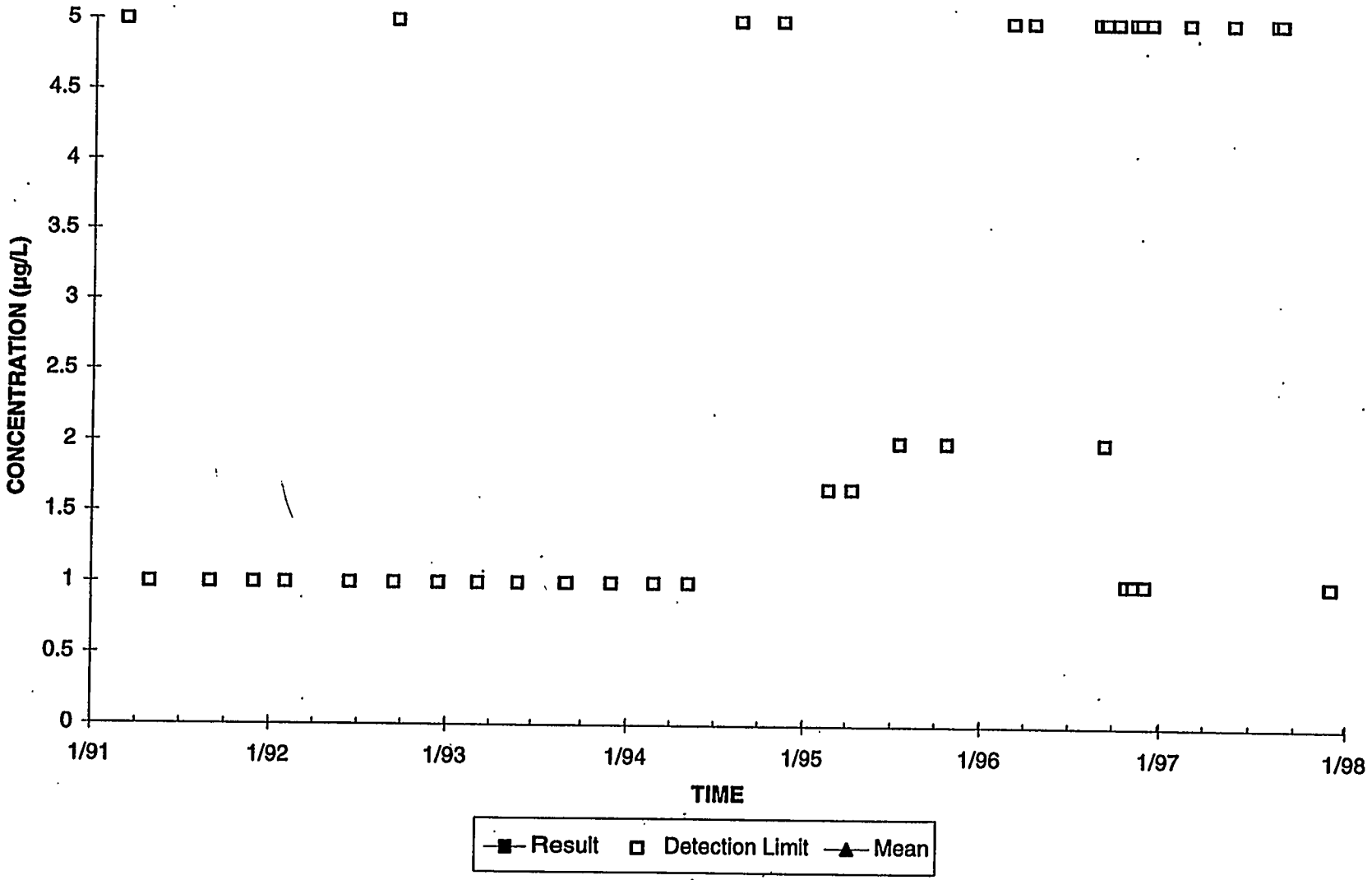
Tetrachloroethylene Concentrations
Well TNX 7D



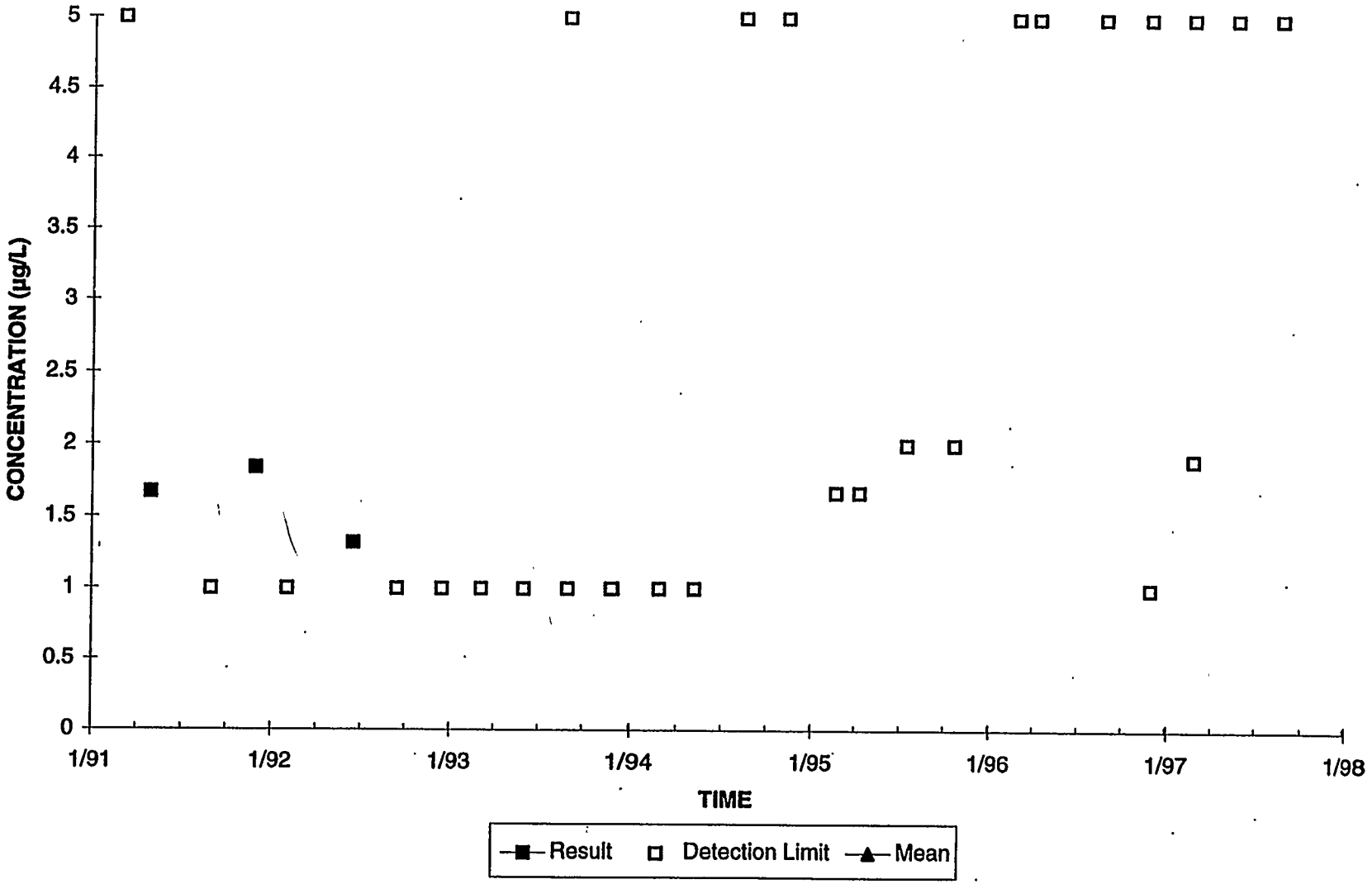
Tetrachloroethylene Concentrations
Well TNX 8D



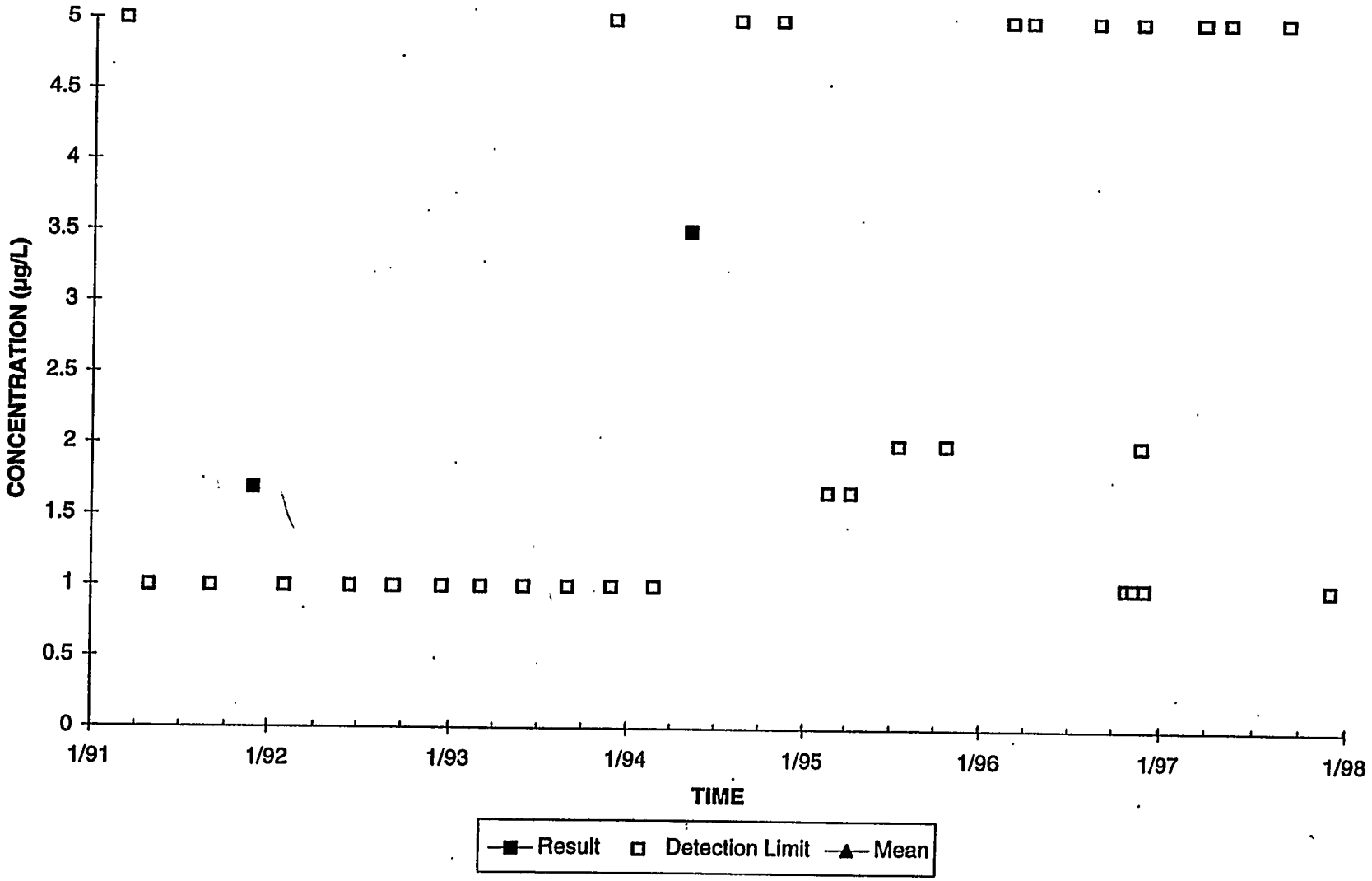
Tetrachloroethylene Concentrations
Well TNX 9D



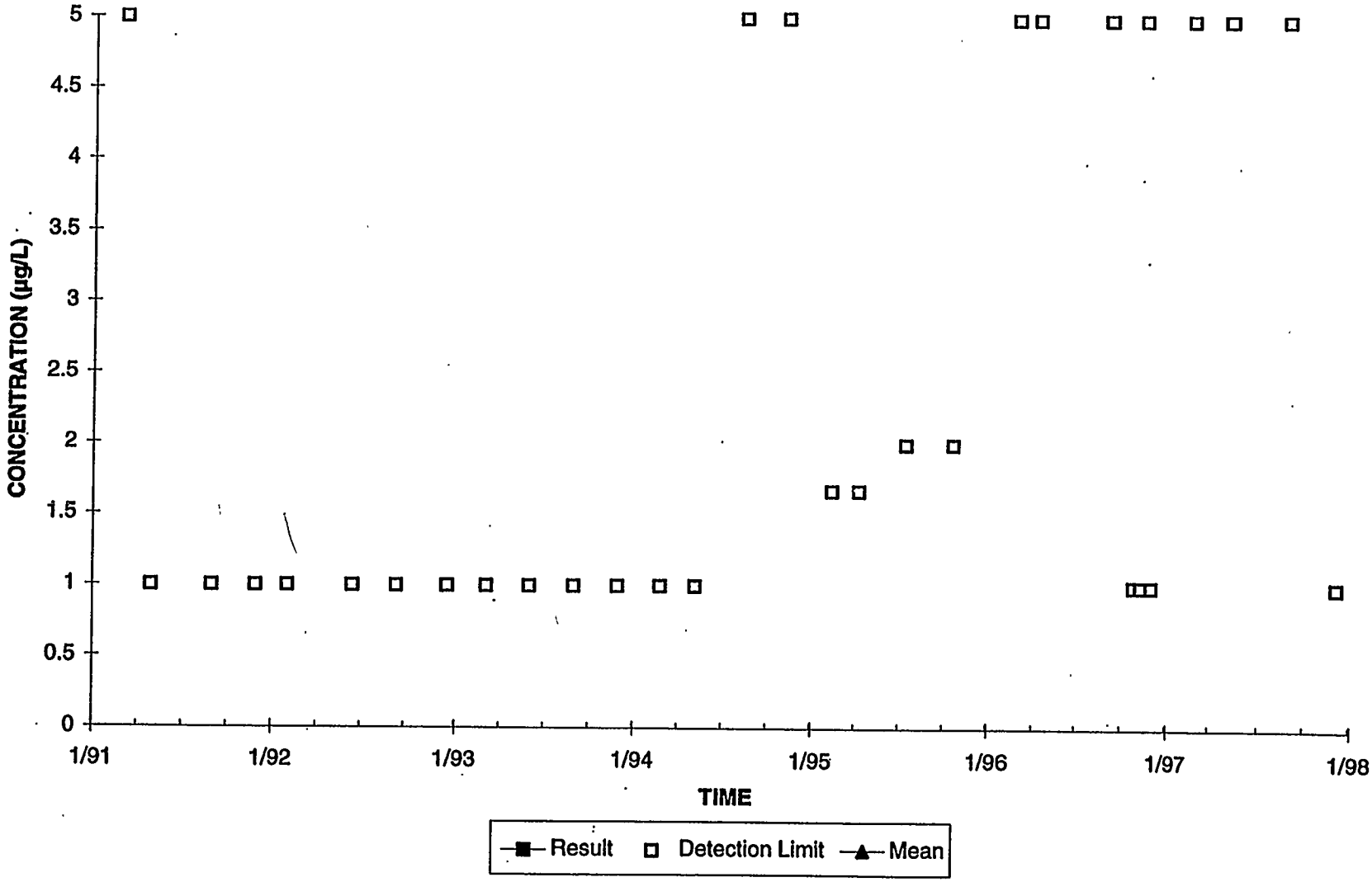
Tetrachloroethylene Concentrations
Well TNX 10D



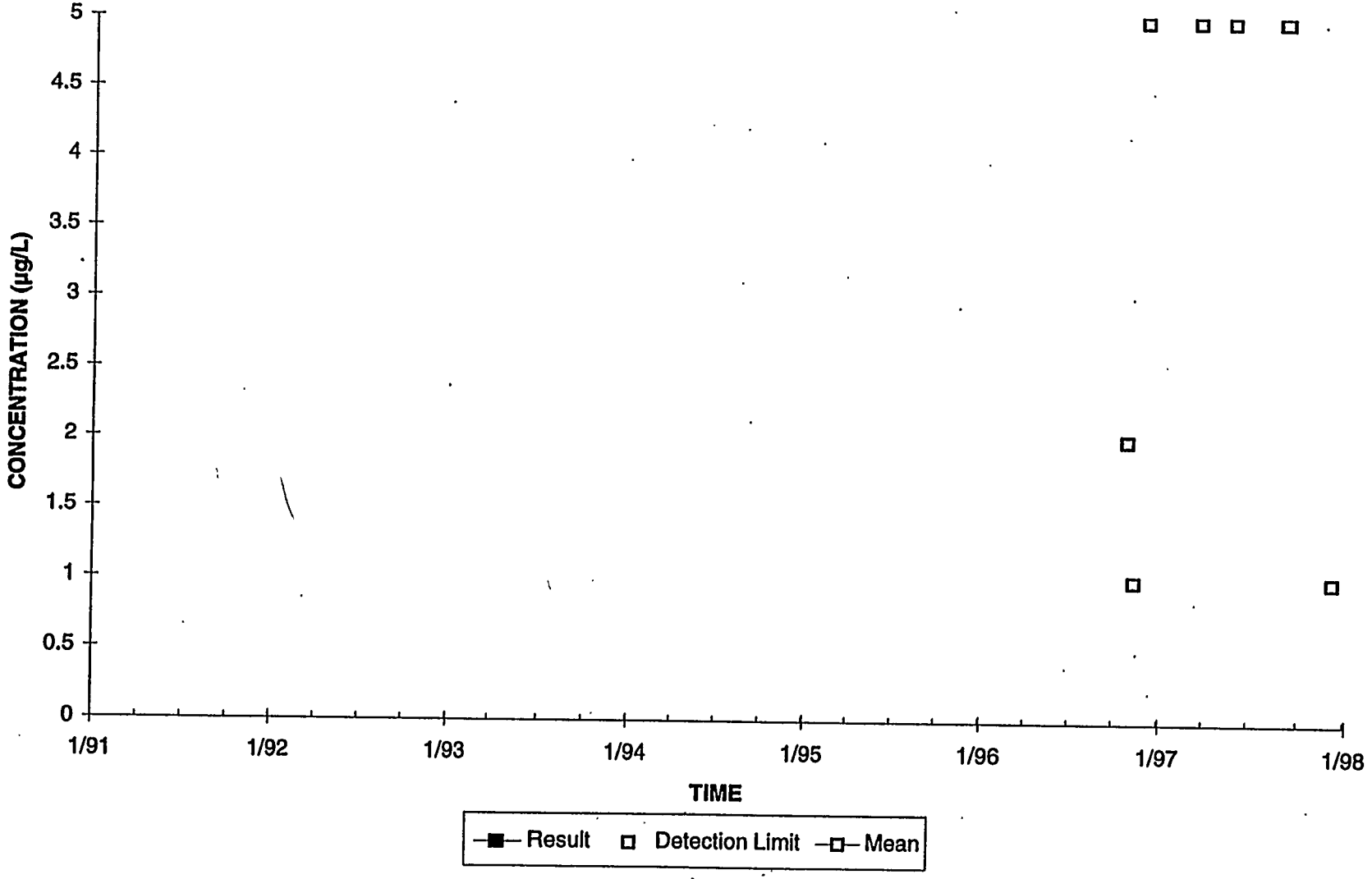
Tetrachloroethylene Concentrations
Well TNX 11D



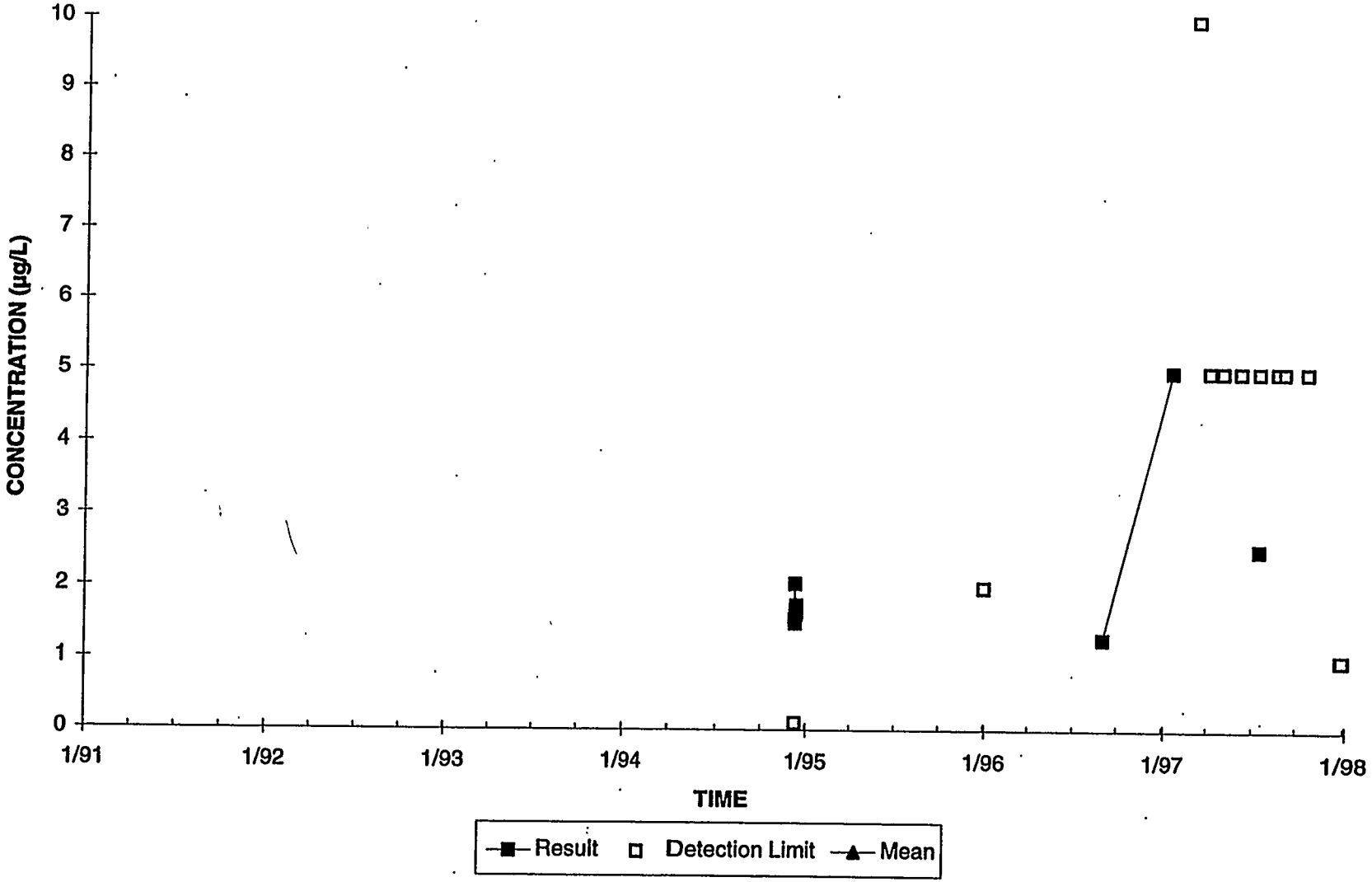
Tetrachloroethylene Concentrations
Well TNX 12D



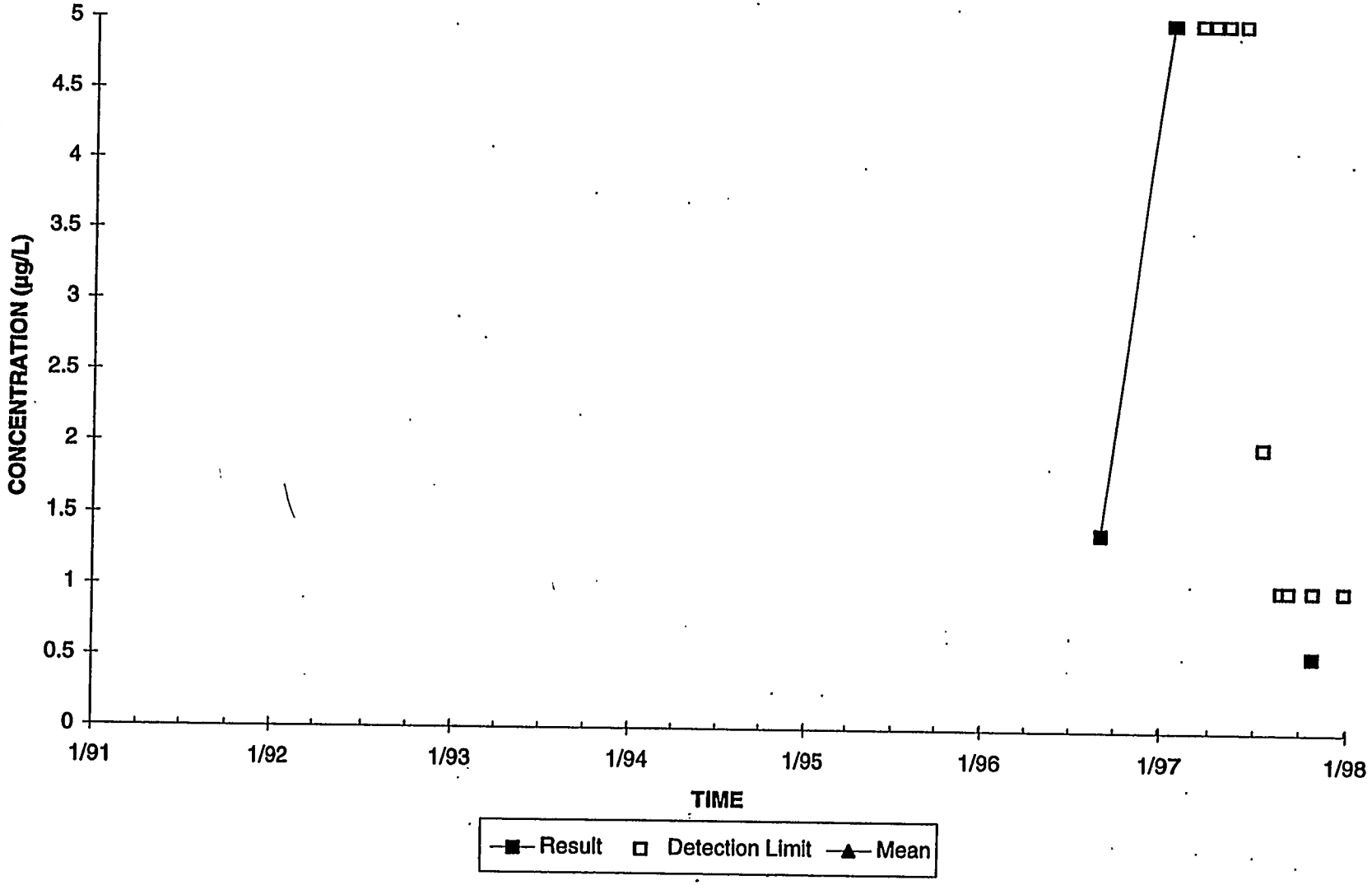
Tetrachloroethylene Concentrations
Well TNX 27D



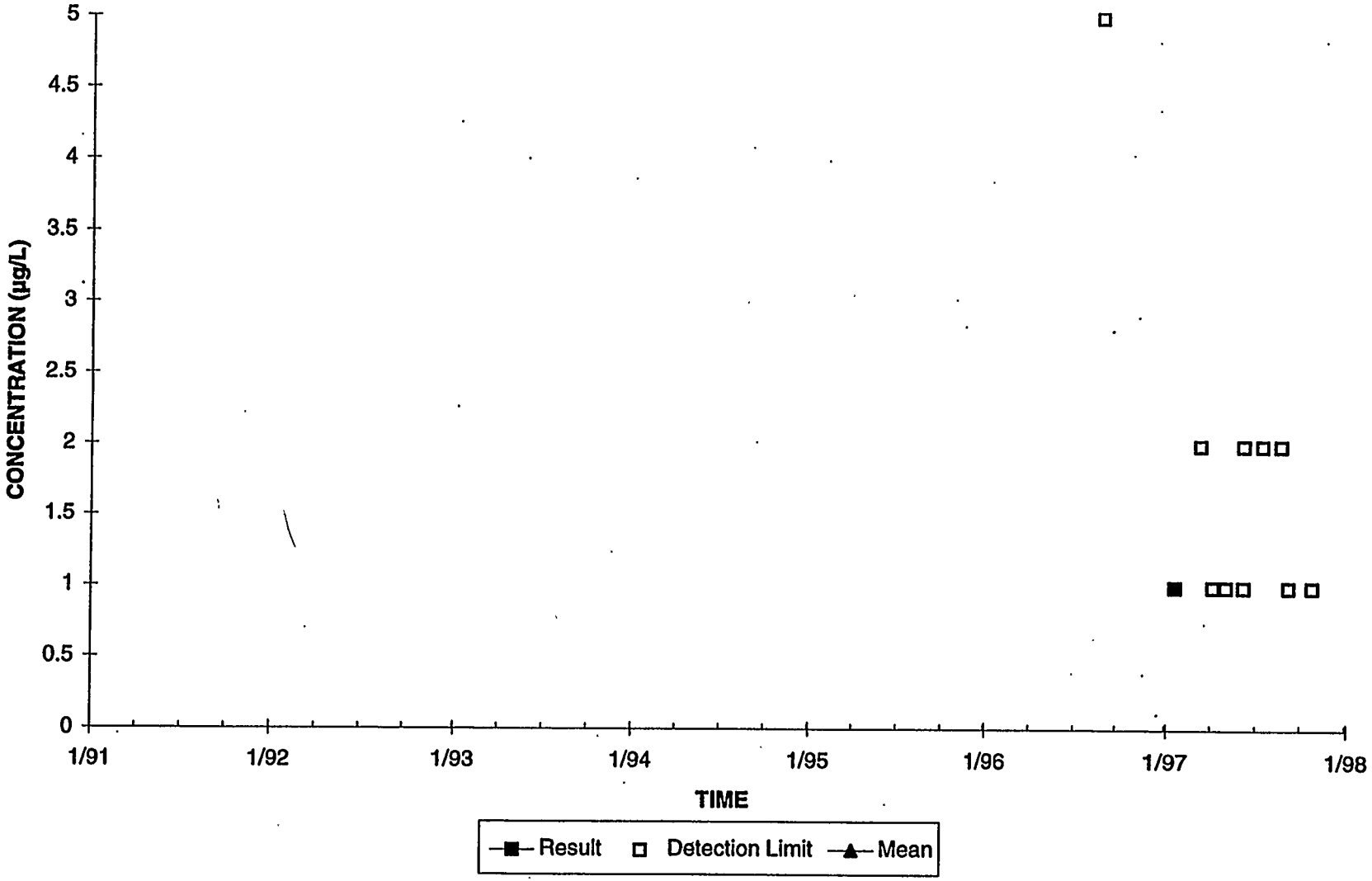
Tetrachloroethylene Concentrations
Well TRW 1



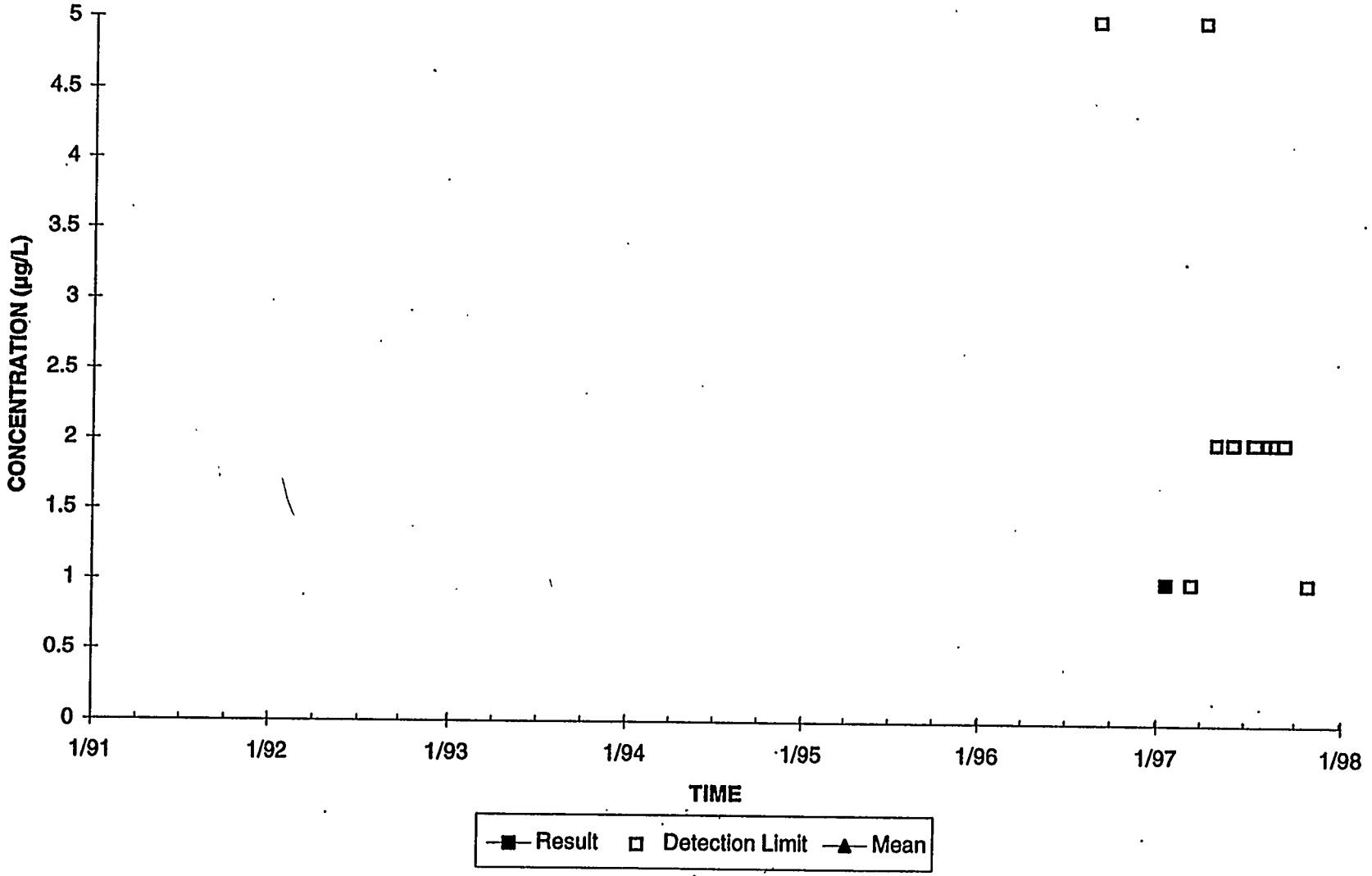
Tetrachloroethylene Concentrations
Well TRW 2



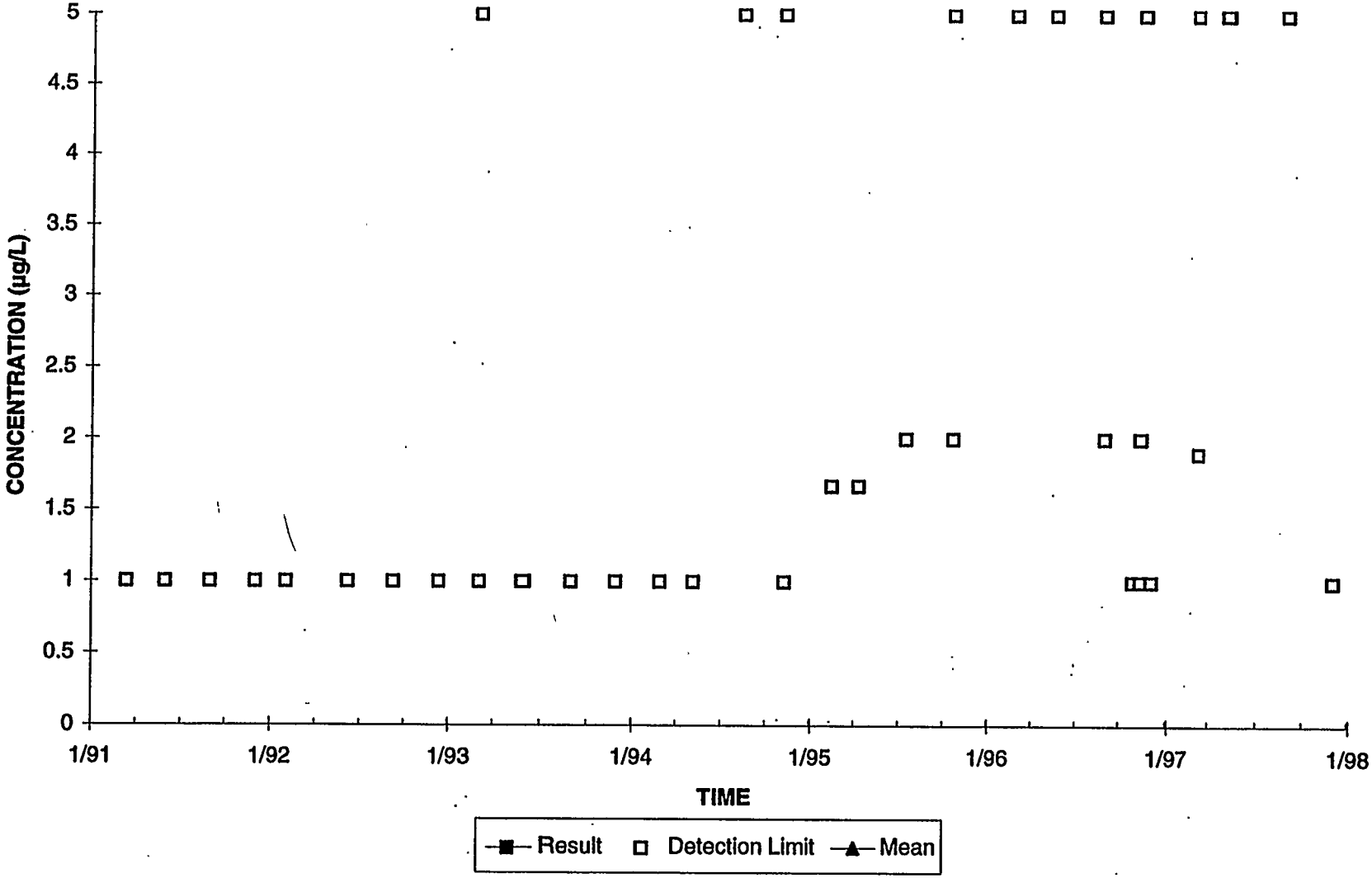
Tetrachloroethylene Concentrations
Well TRW 3



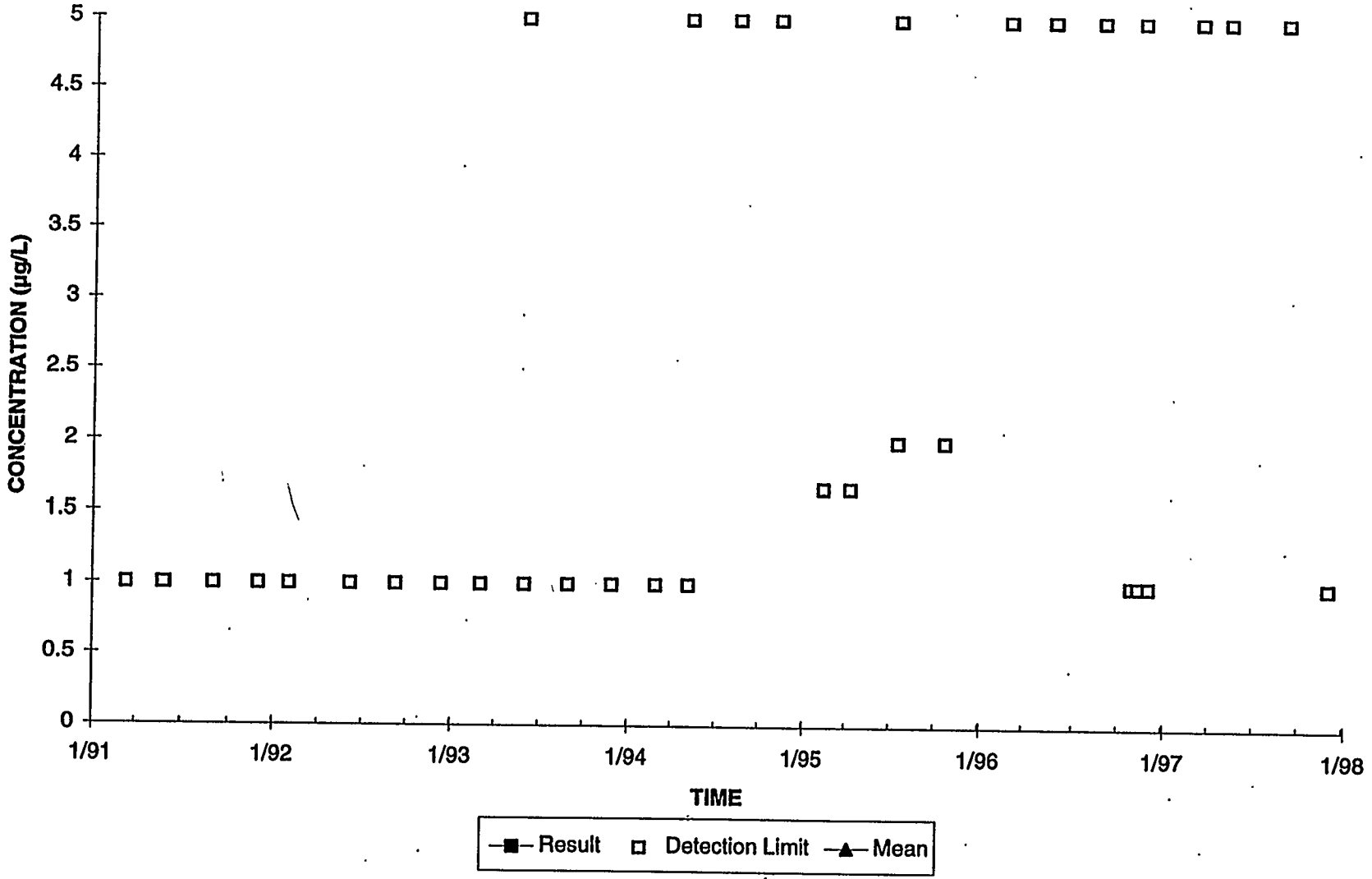
Tetrachloroethylene Concentrations
Well TRW 4



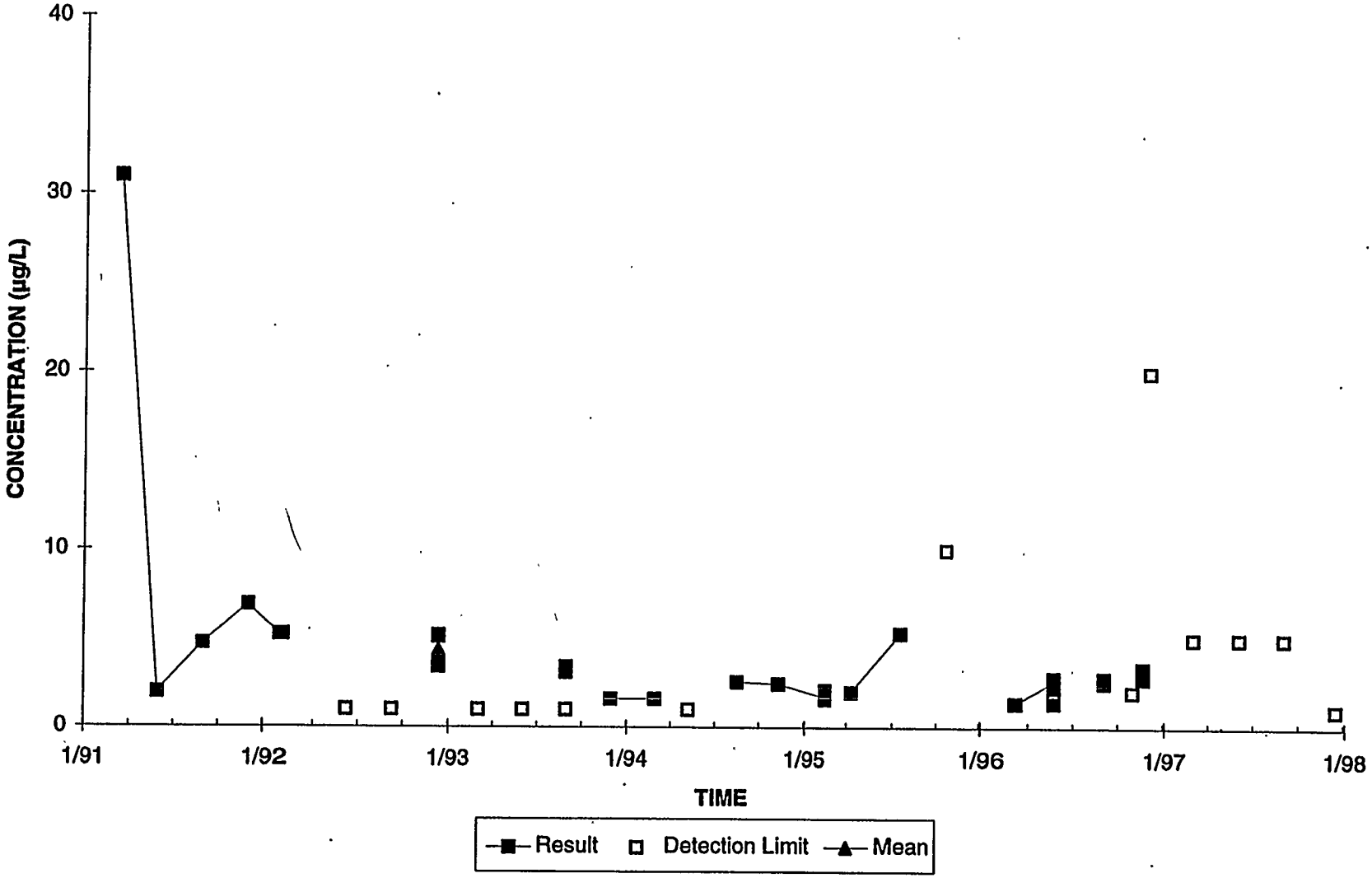
Tetrachloroethylene Concentrations
Well XSB 1A



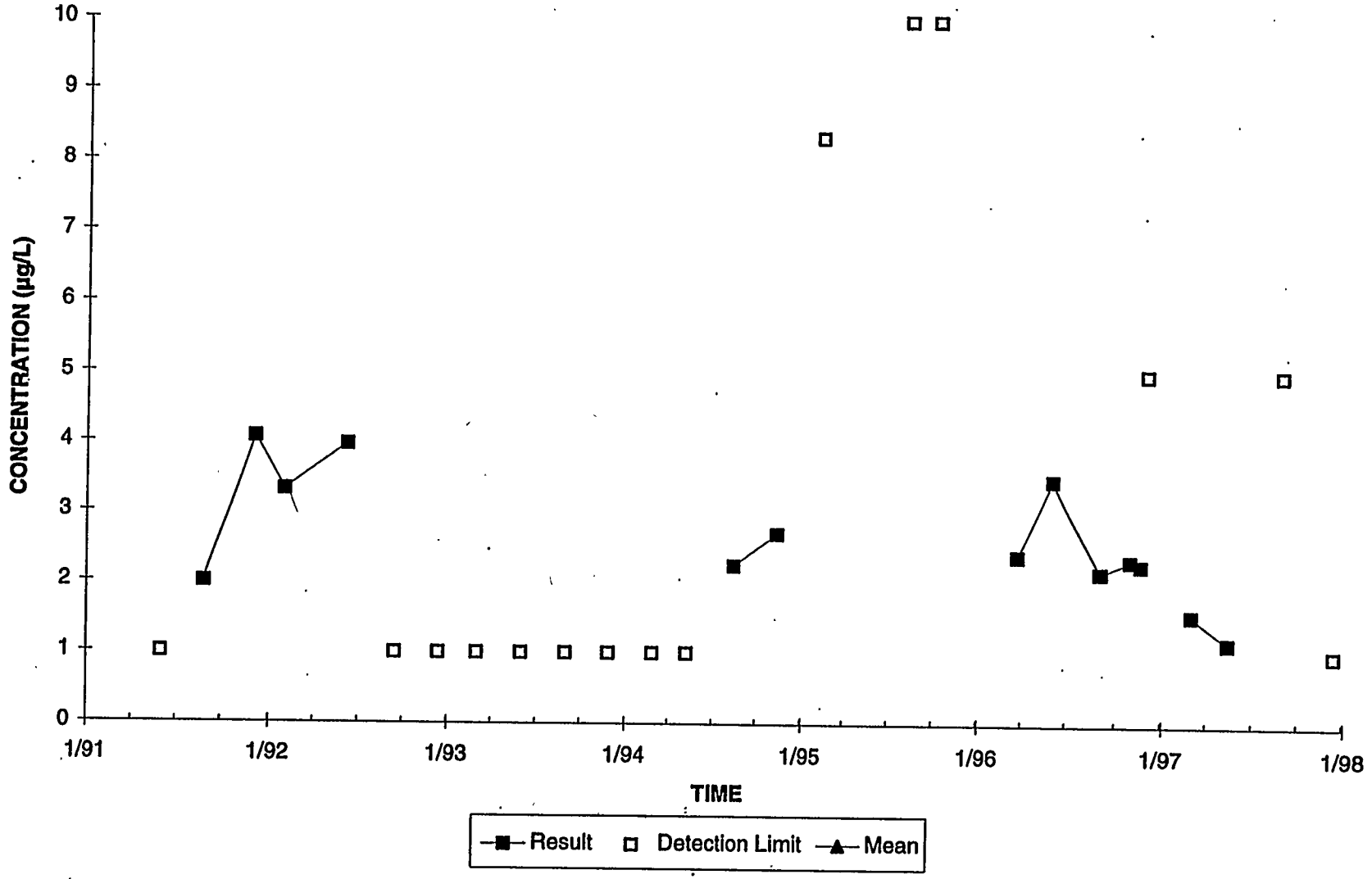
Tetrachloroethylene Concentrations
Well XSB 1B



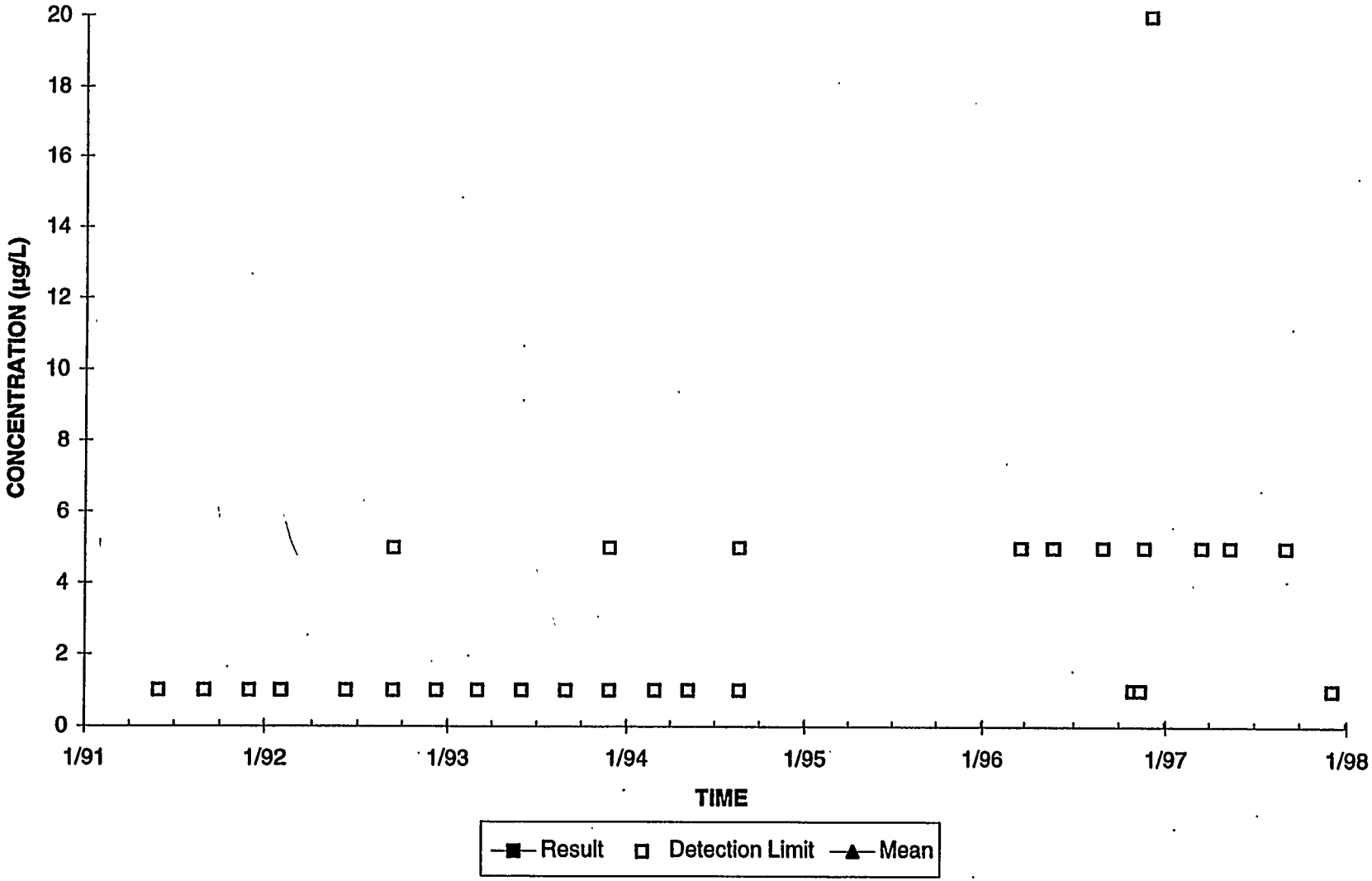
Tetrachloroethylene Concentrations
Well XSB 1D



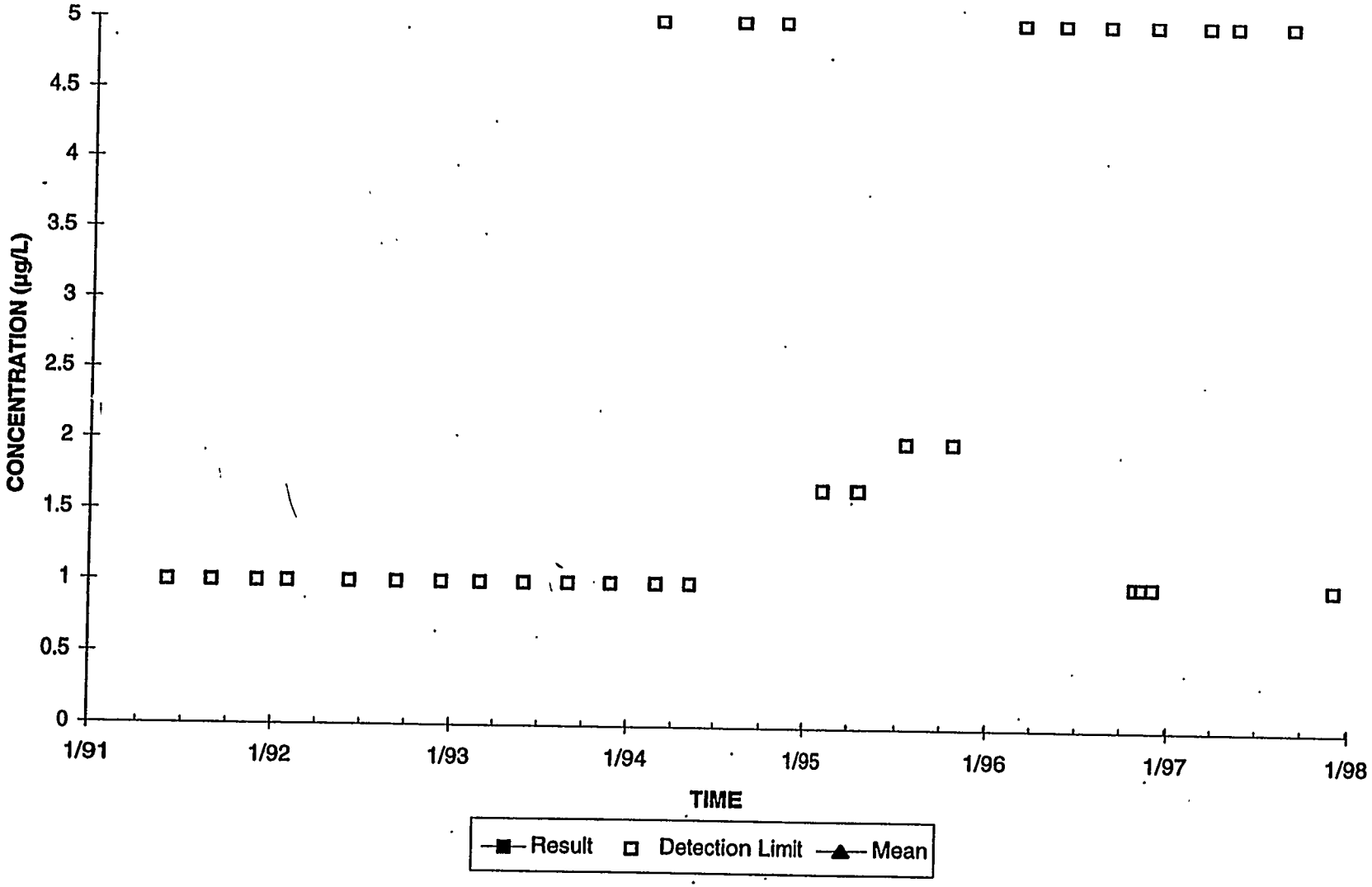
Tetrachloroethylene Concentrations
Well XSB 2D



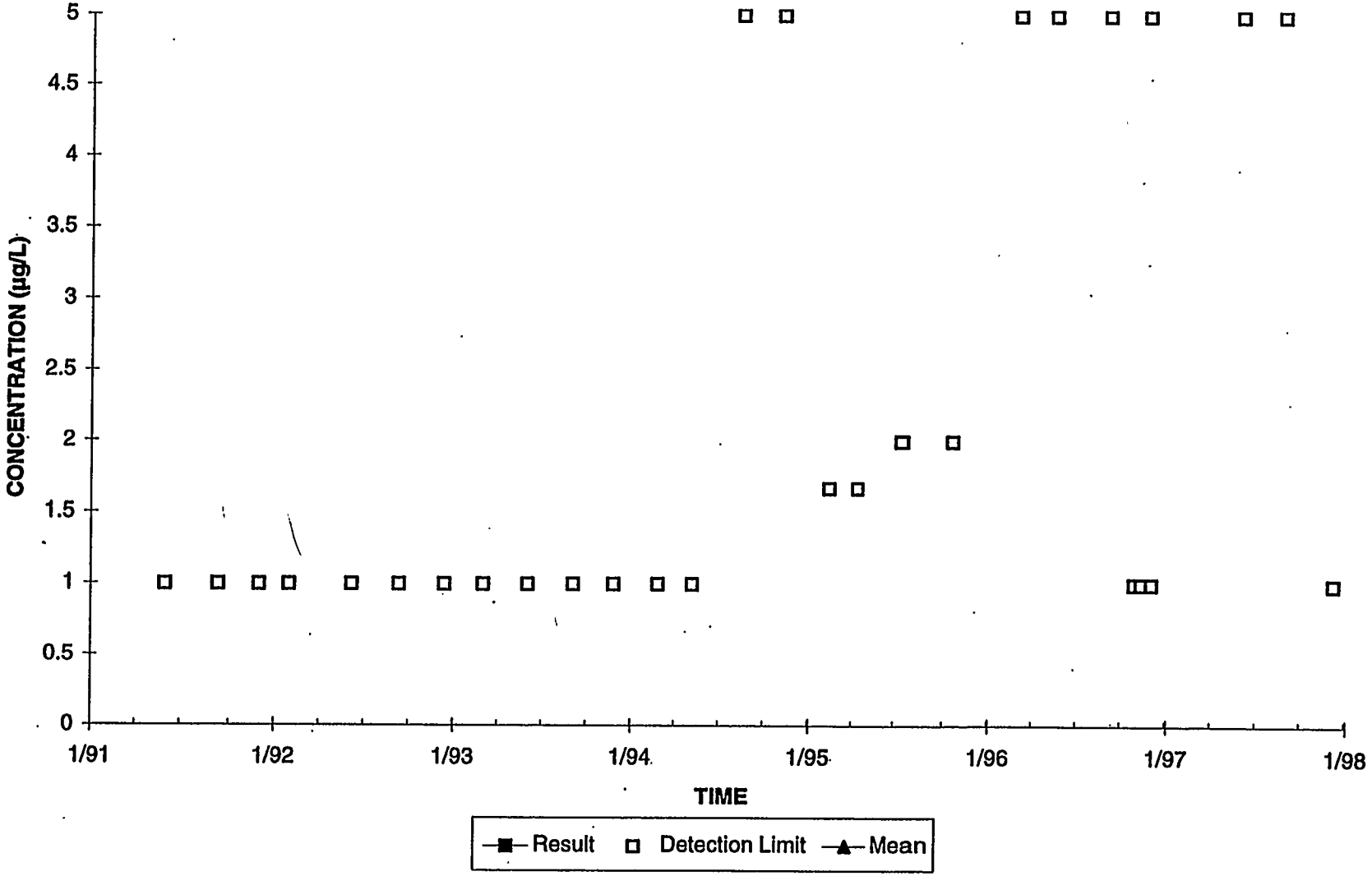
Tetrachloroethylene Concentrations
Well XSB 3A



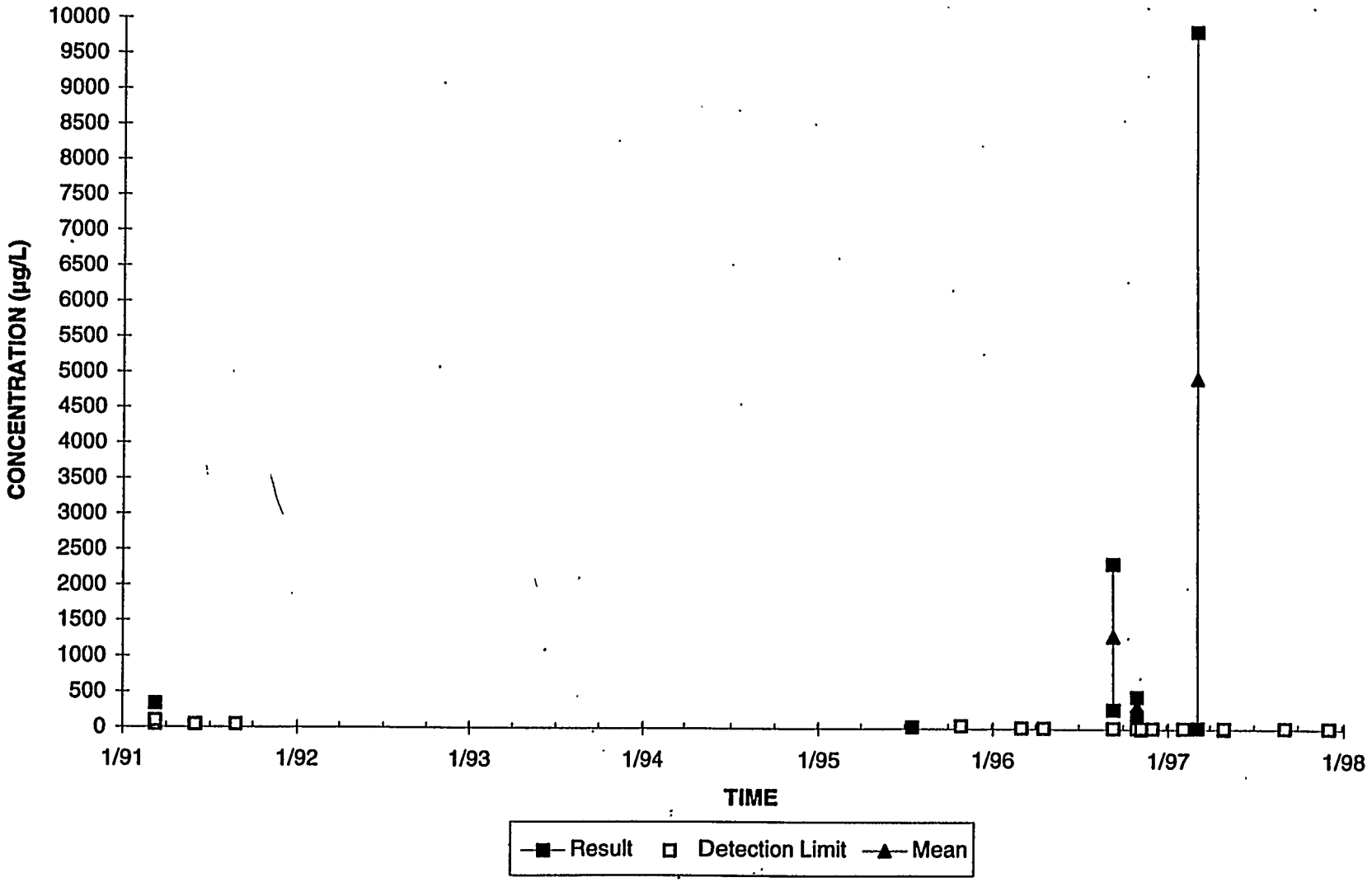
Tetrachloroethylene Concentrations
Well XSB 4D



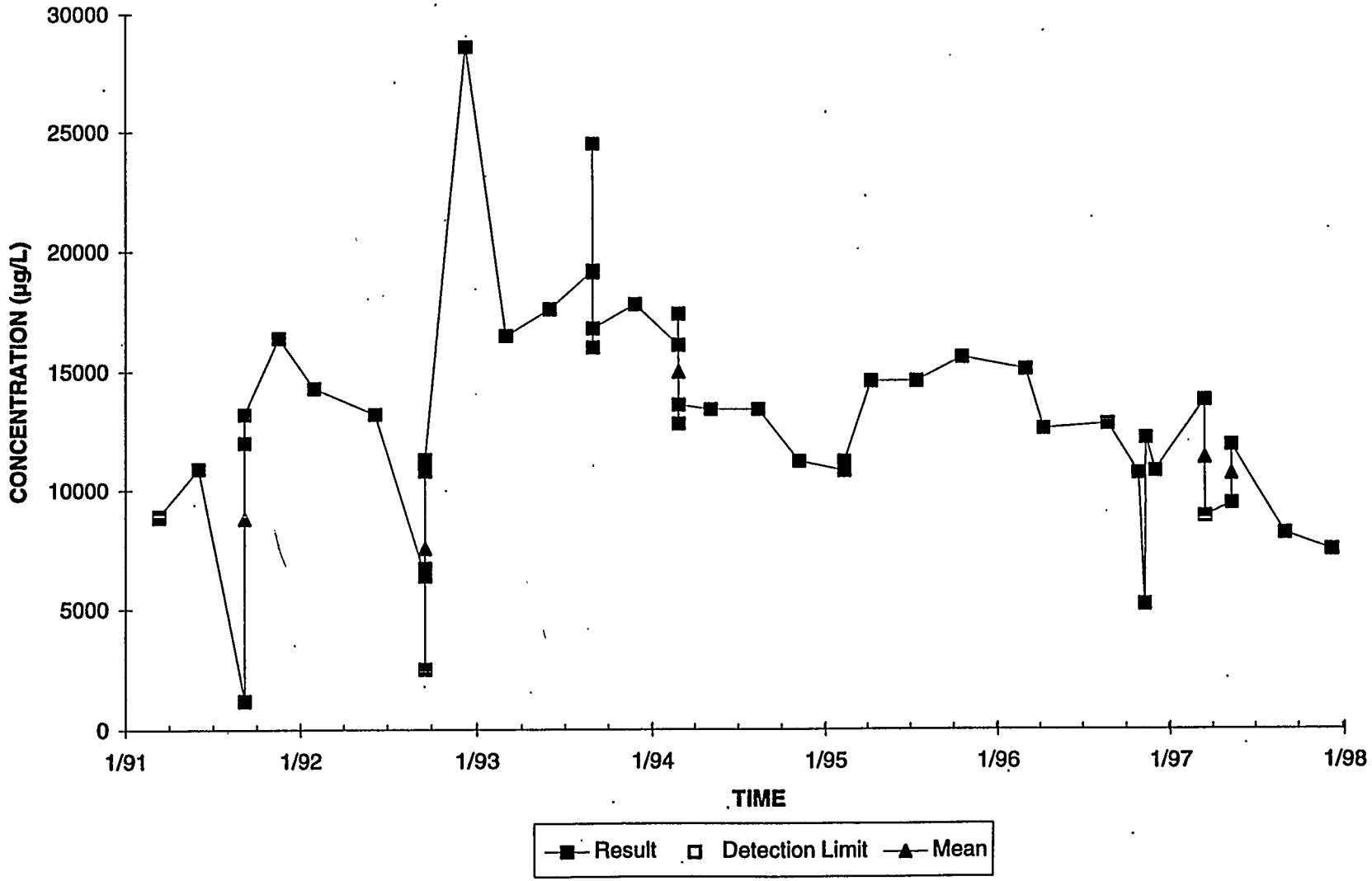
Tetrachloroethylene Concentrations
Well XSB 5A



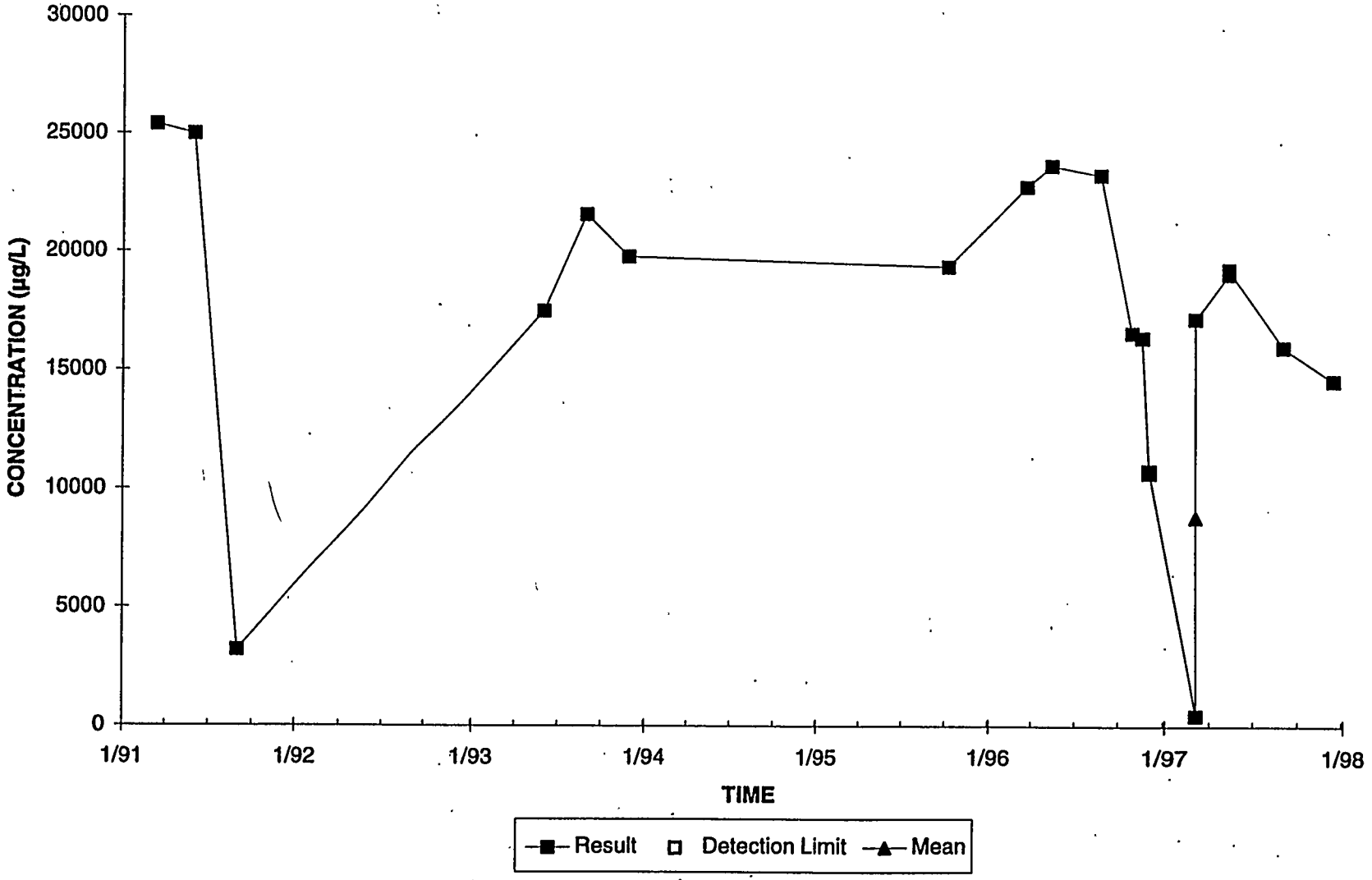
Nitrate-Nitrite Concentrations
Well P 26A



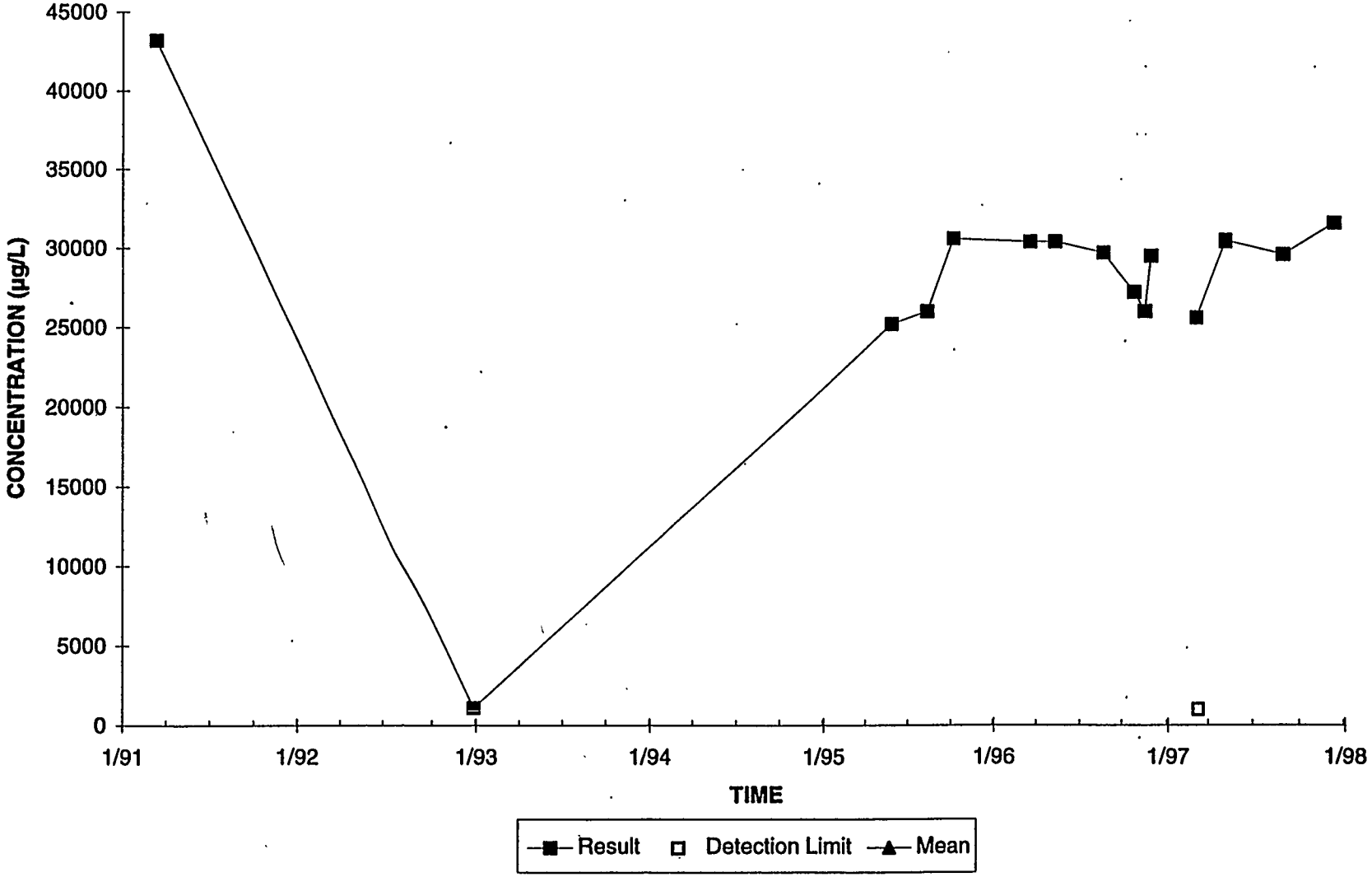
Nitrate-Nitrite Concentrations
Well TBG 1



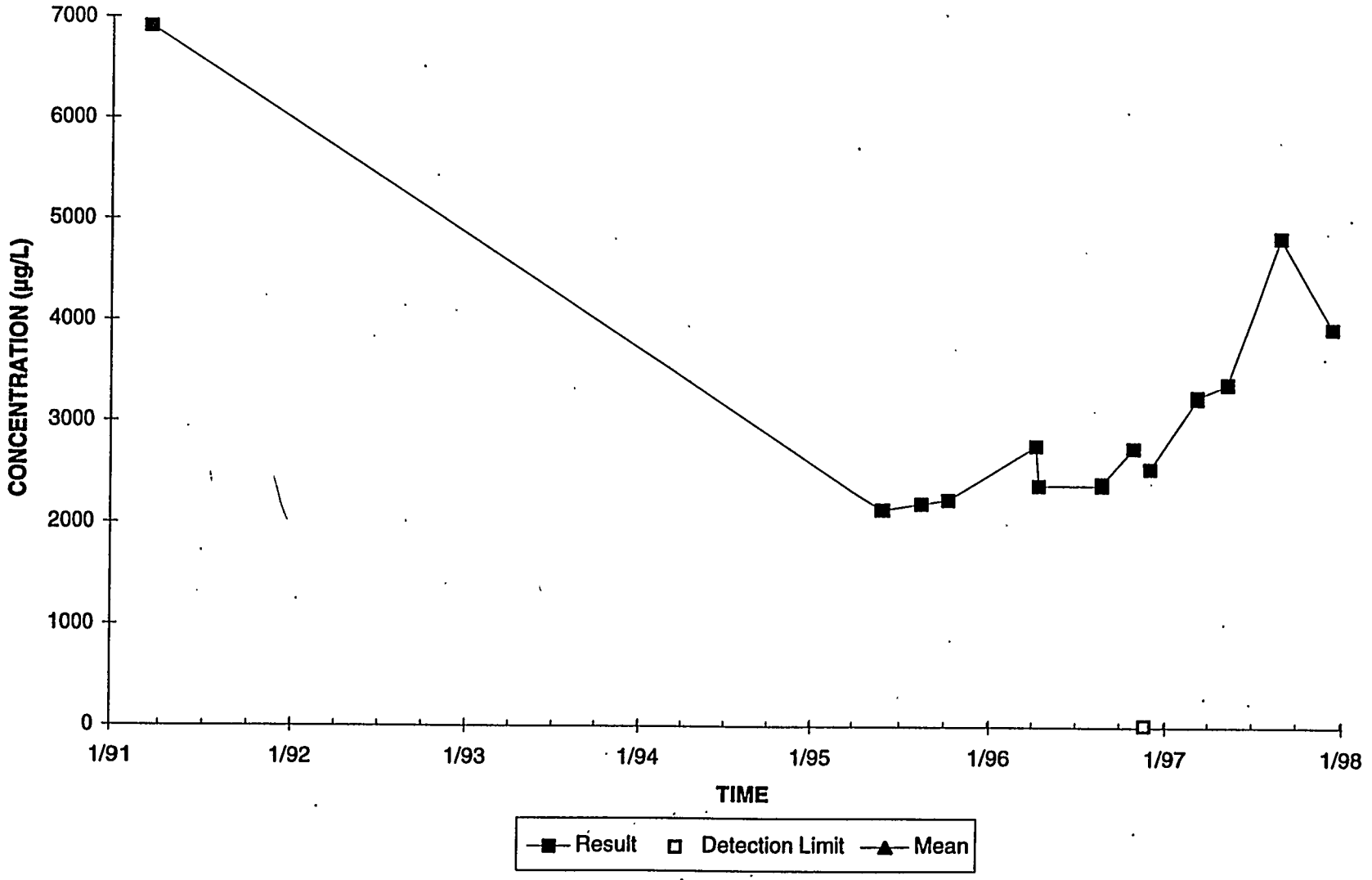
Nitrate-Nitrite Concentrations
Well TBG 3



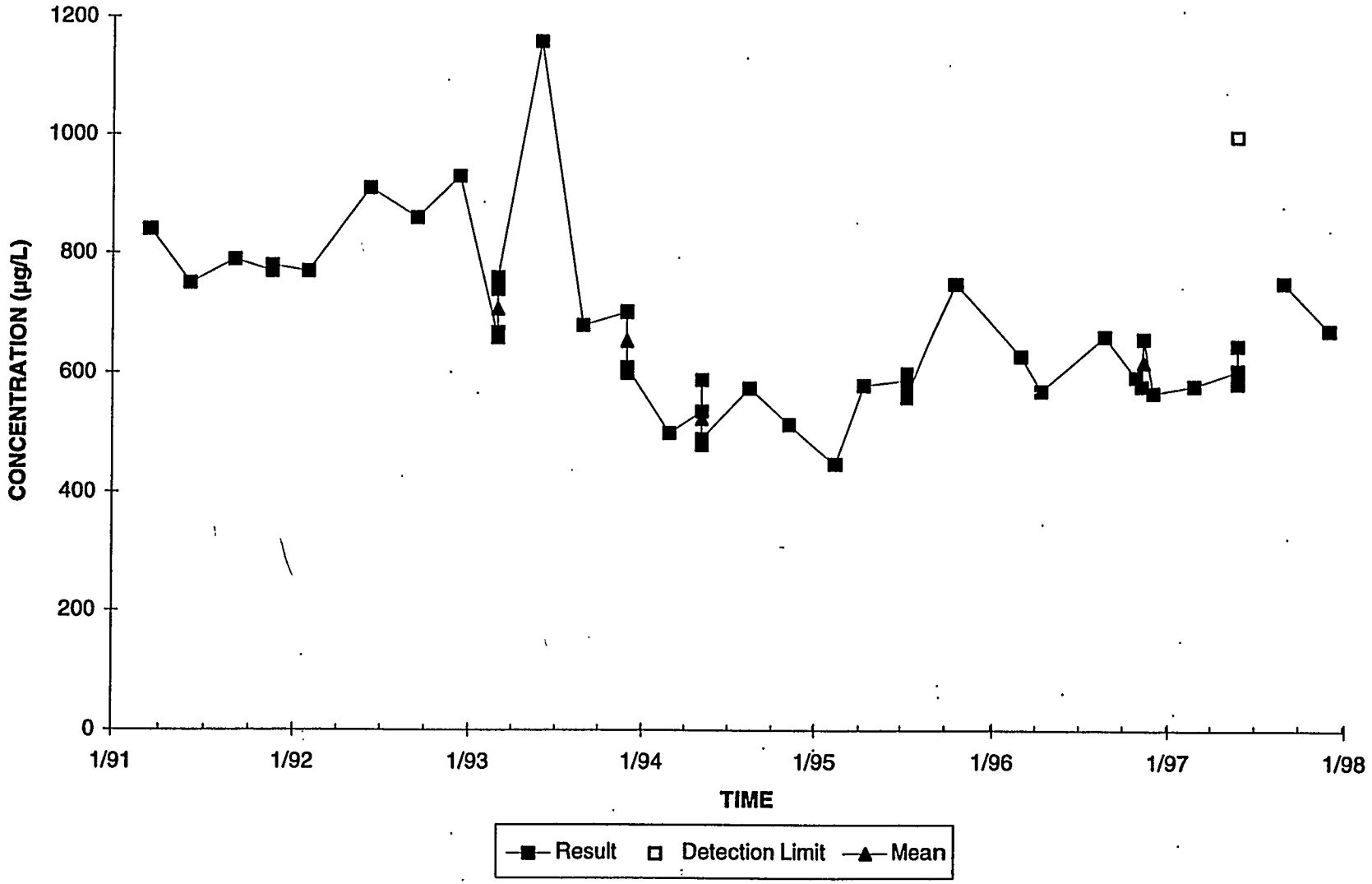
Nitrate-Nitrite Concentrations
Well TBG 4



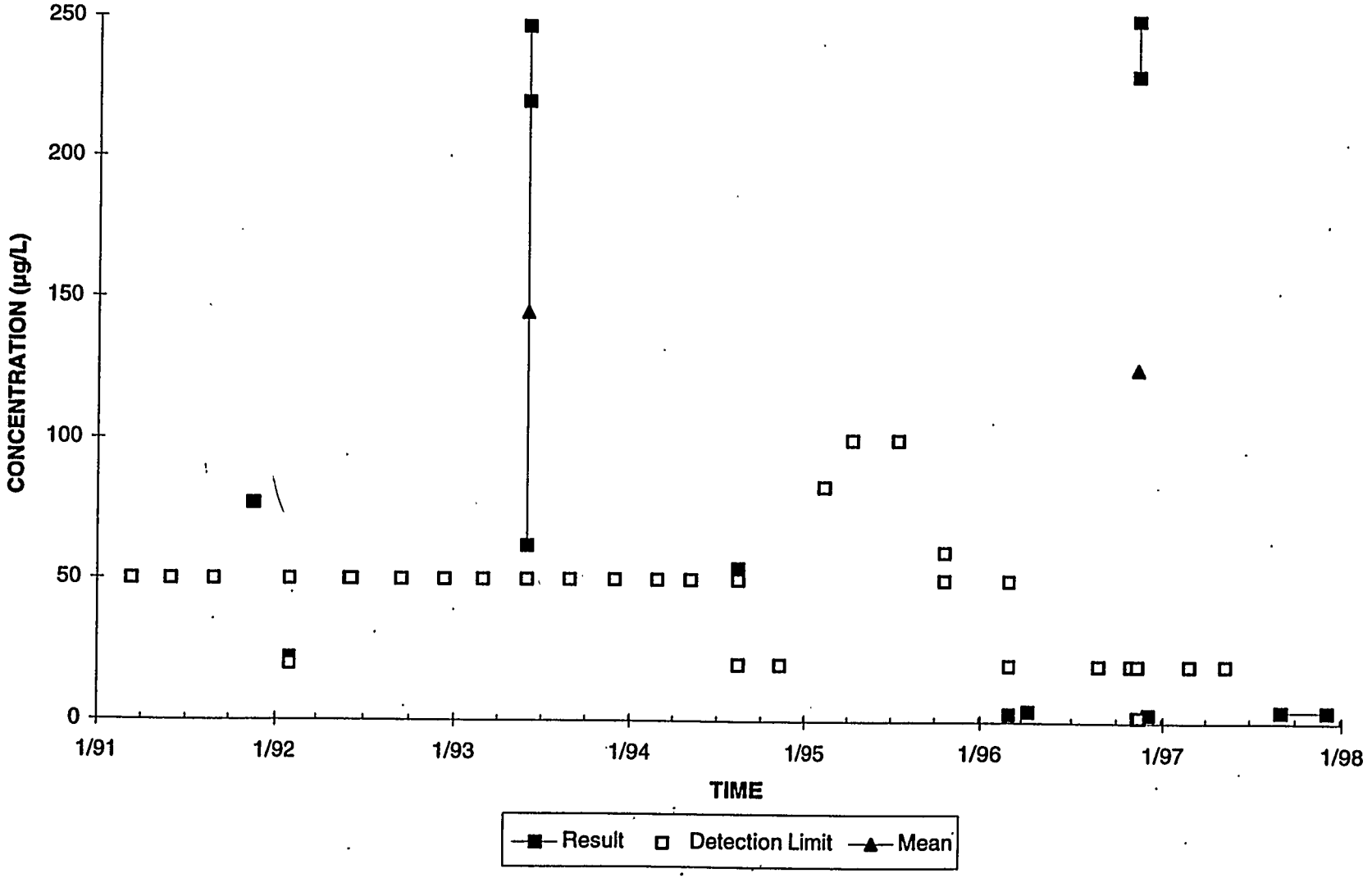
Nitrate-Nitrite Concentrations
Well TBG 5



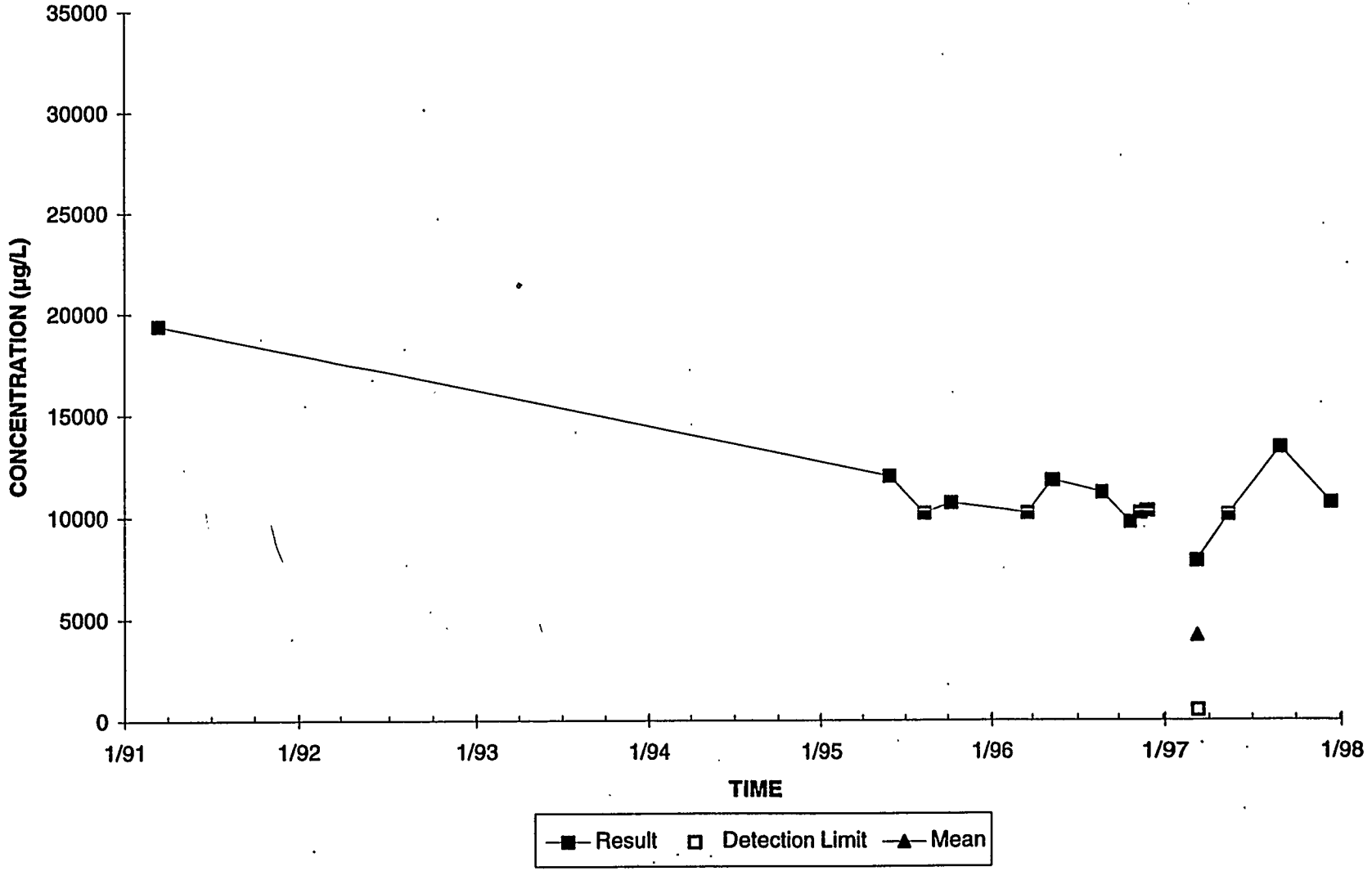
Nitrate-Nitrite Concentrations
Well TBG 5A



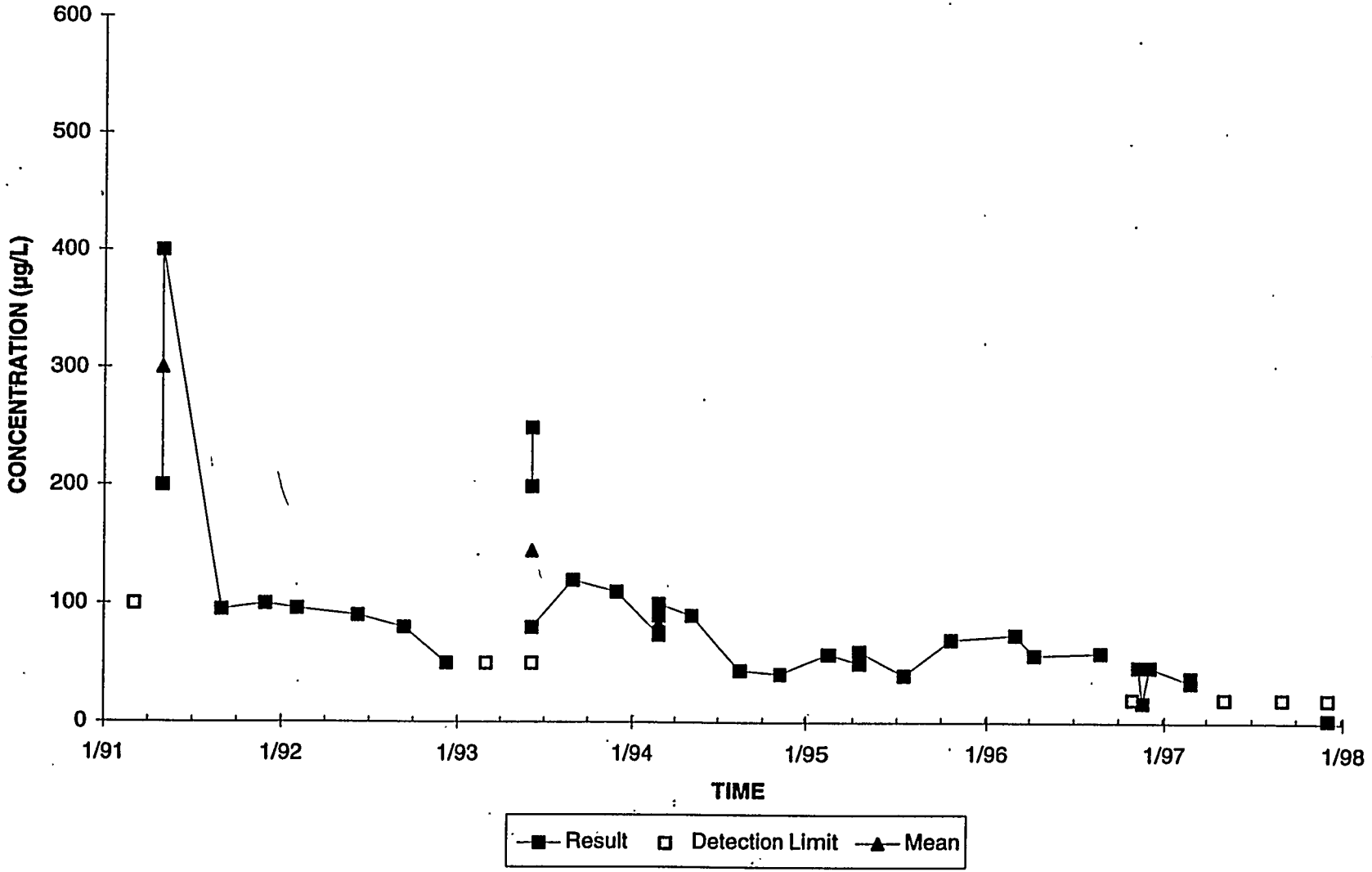
Nitrate-Nitrite Concentrations
Well TBG 5B



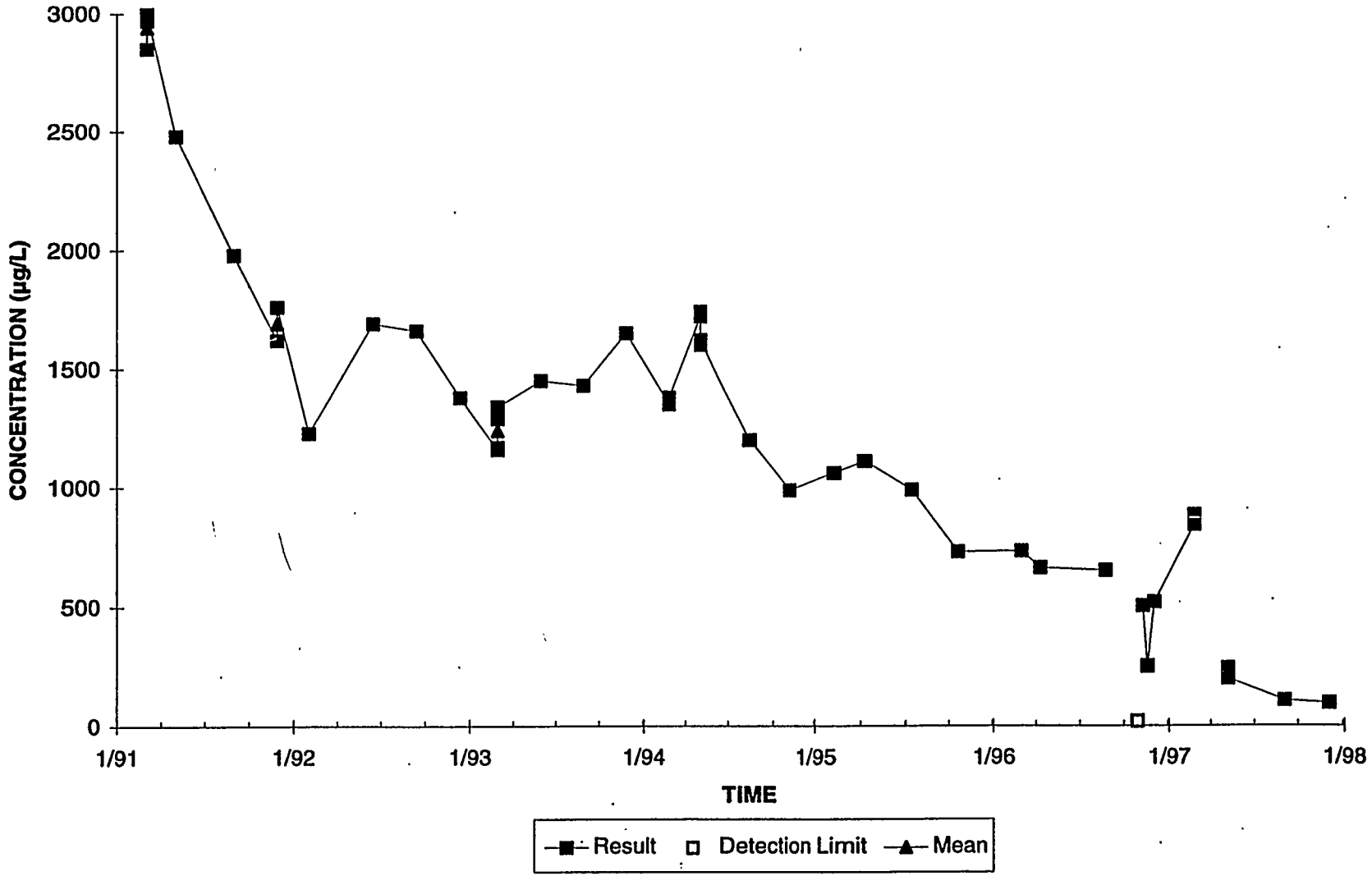
Nitrate-Nitrite Concentrations
Well TBG 6



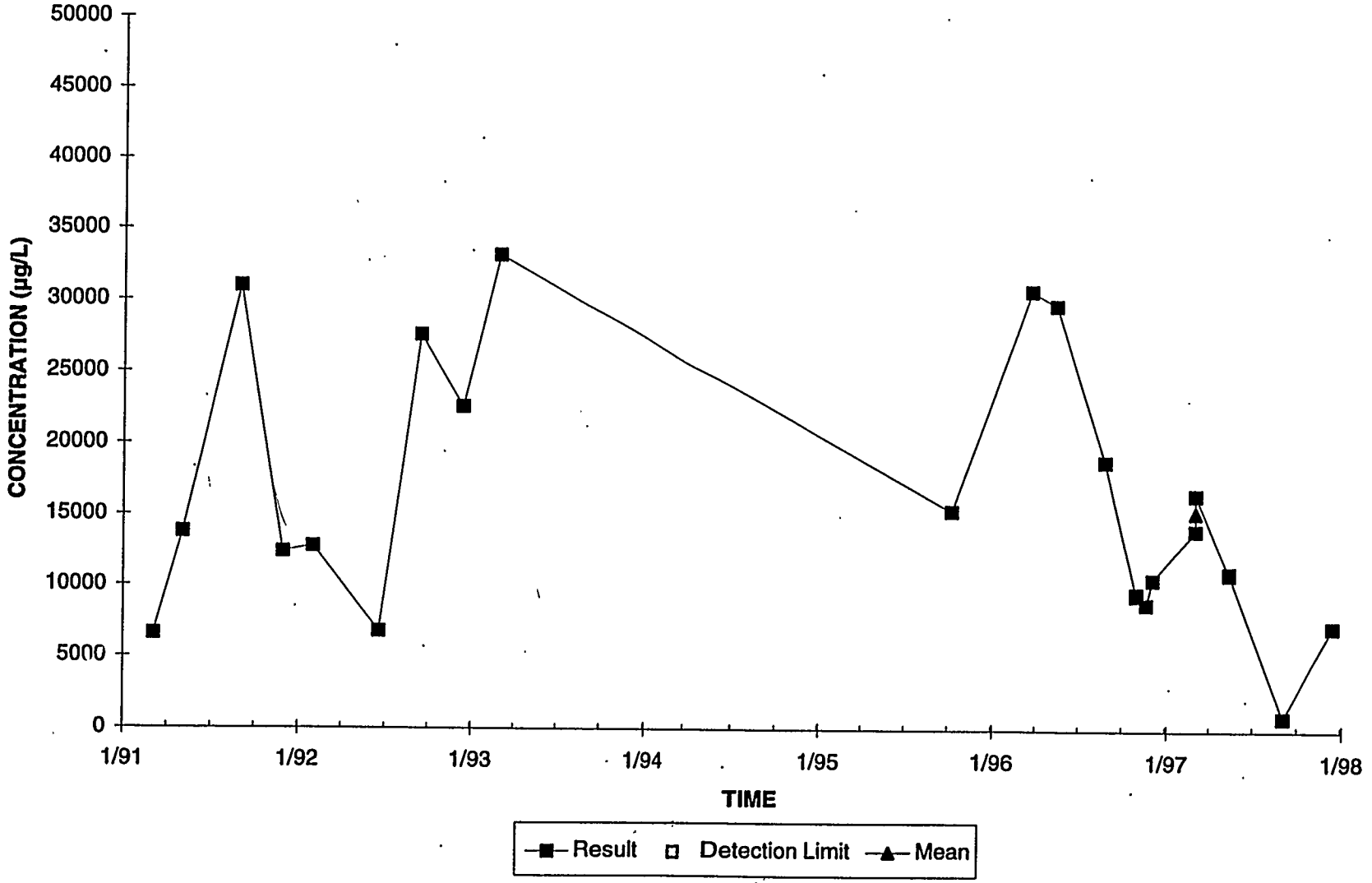
Nitrate-Nitrite Concentrations
Well TNX 1D



Nitrate-Nitrite Concentrations
Well TNX 2D



Nitrate-Nitrite Concentrations
Well TNX 3D



Nitrate-Nitrite Concentrations
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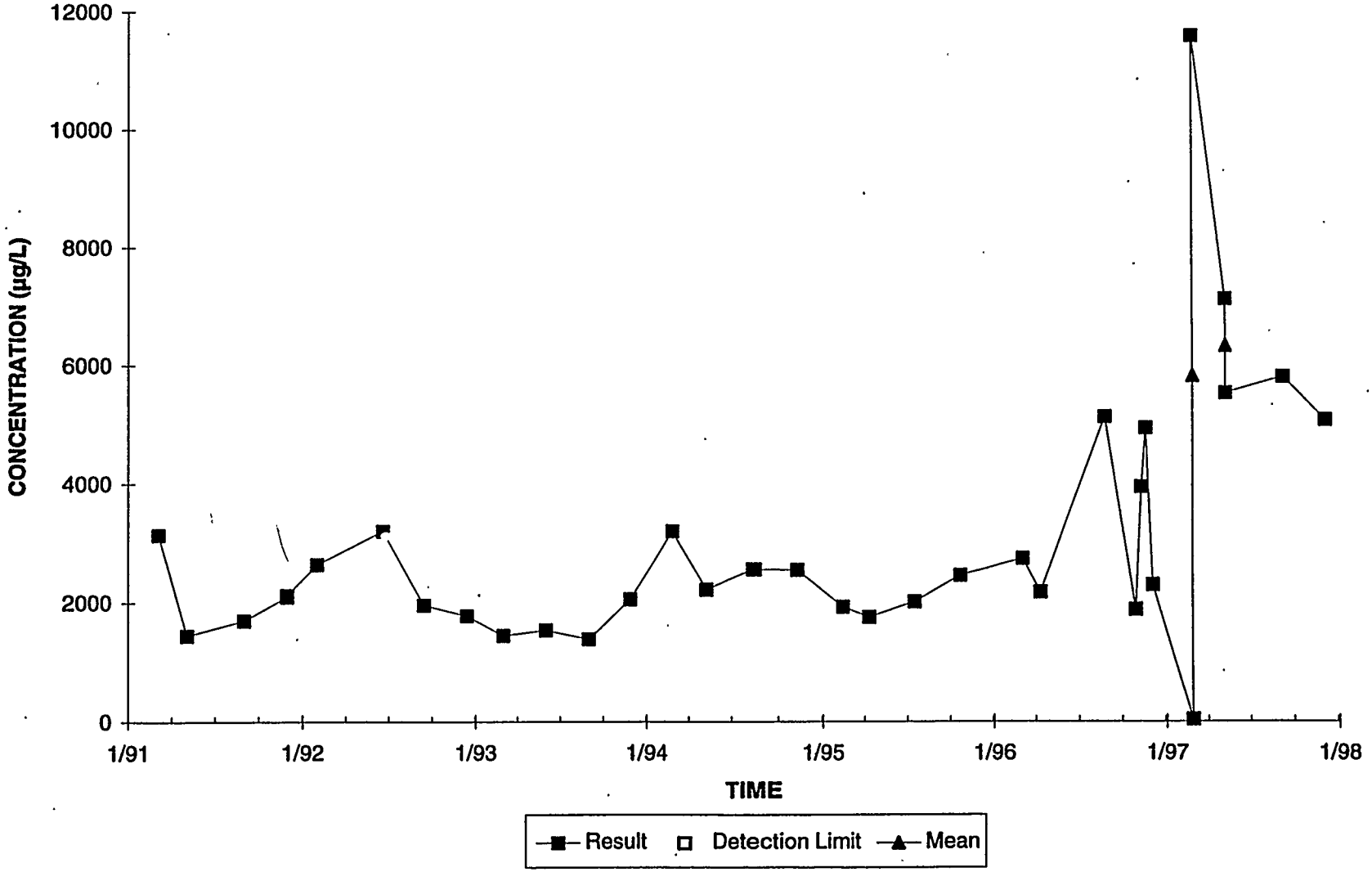
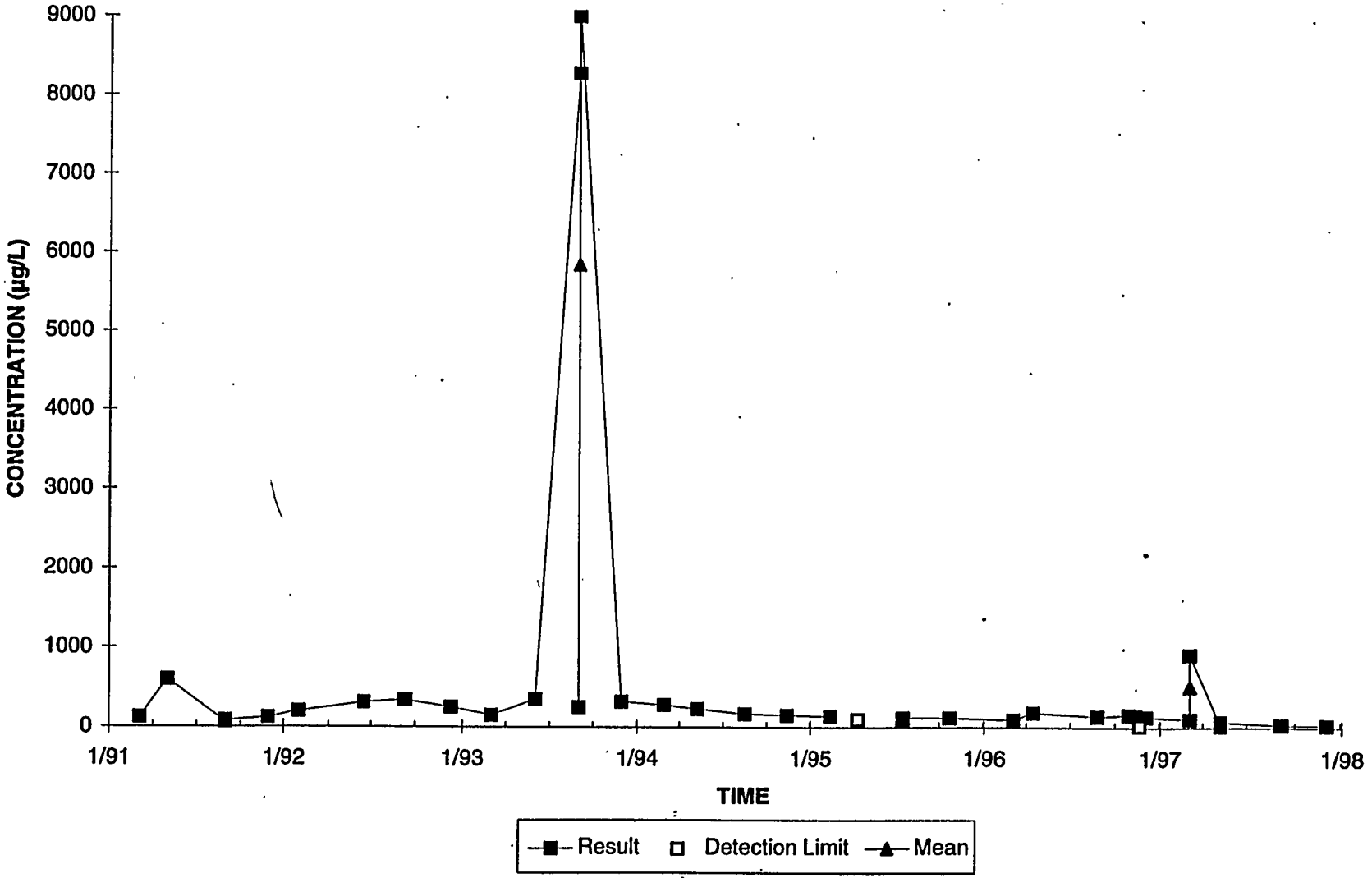
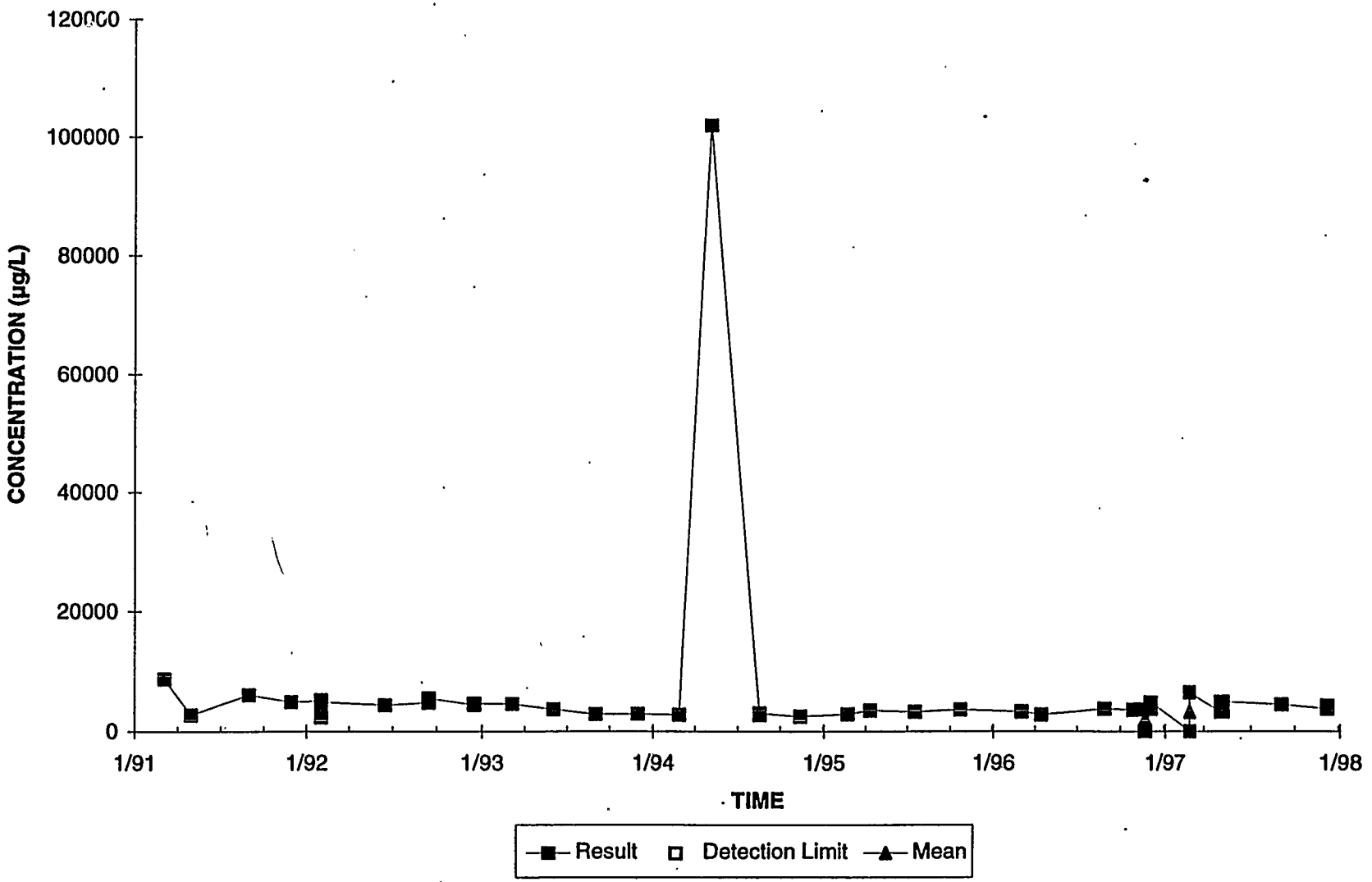


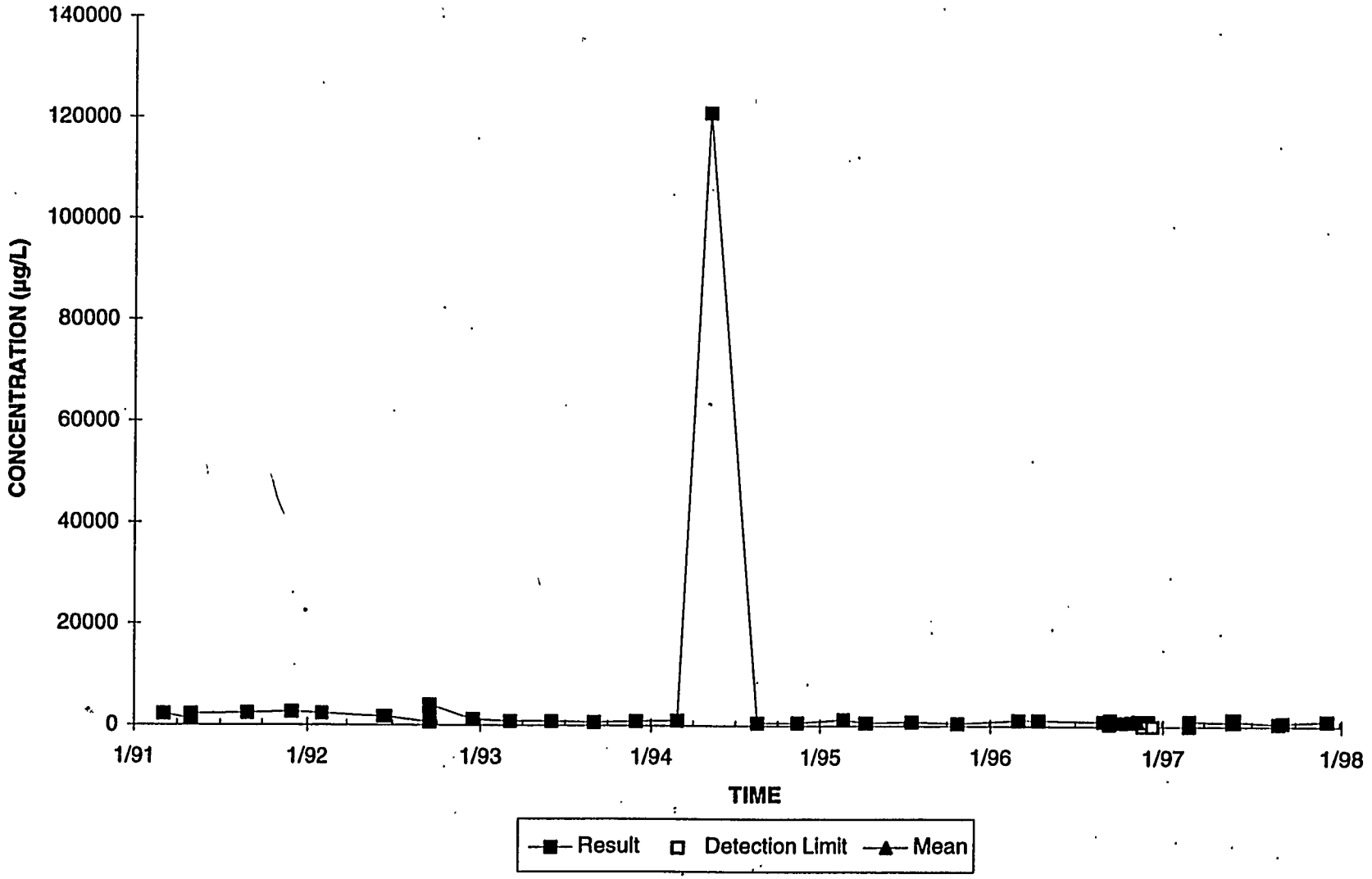
Nitrate-Nitrite Concentrations
Well TNX 7D



Nitrate-Nitrite Concentrations
Well TNX 8D



Nitrate-Nitrite Concentrations
Well TNX 9D



Nitrate-Nitrite Concentrations
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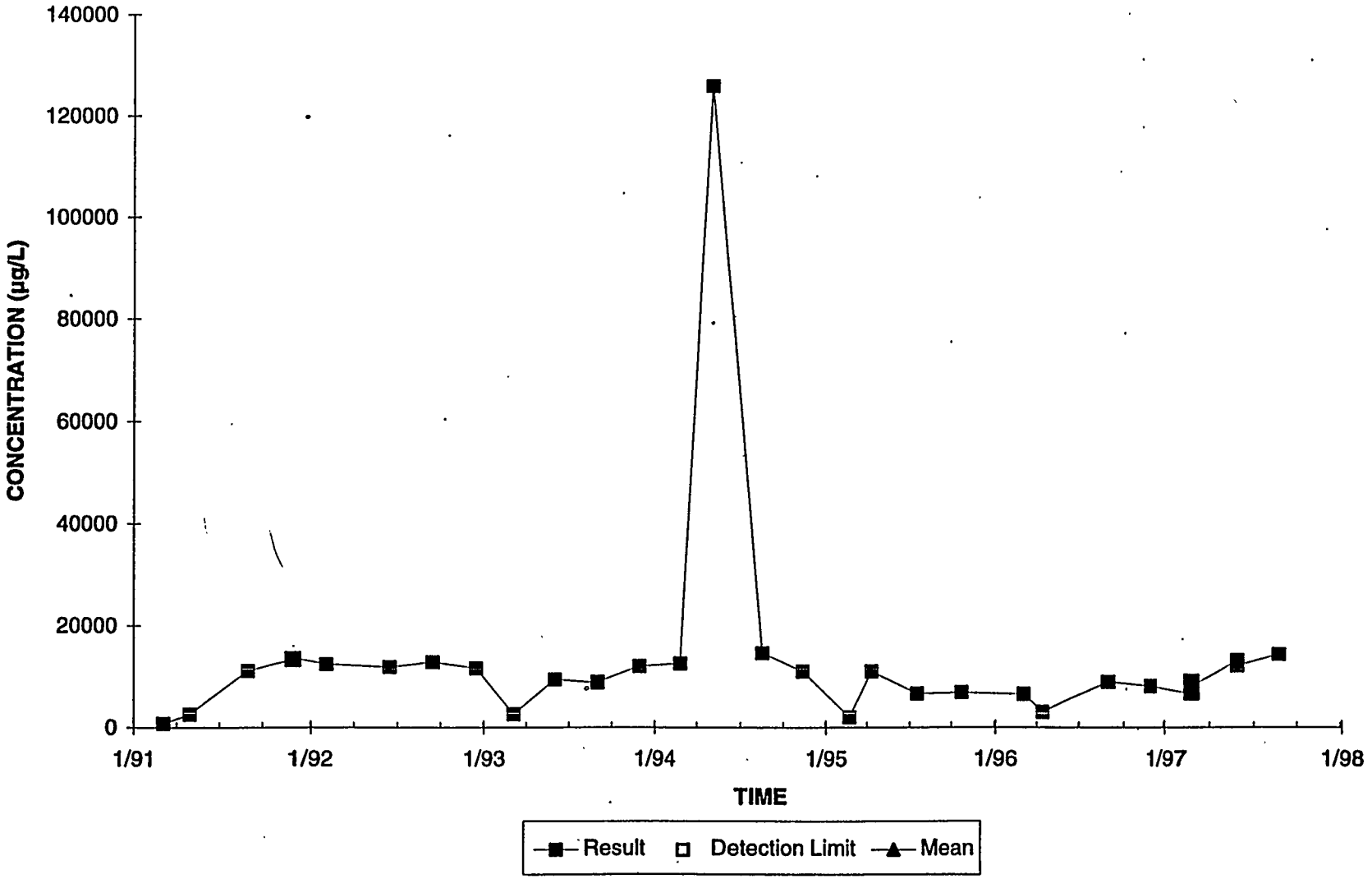
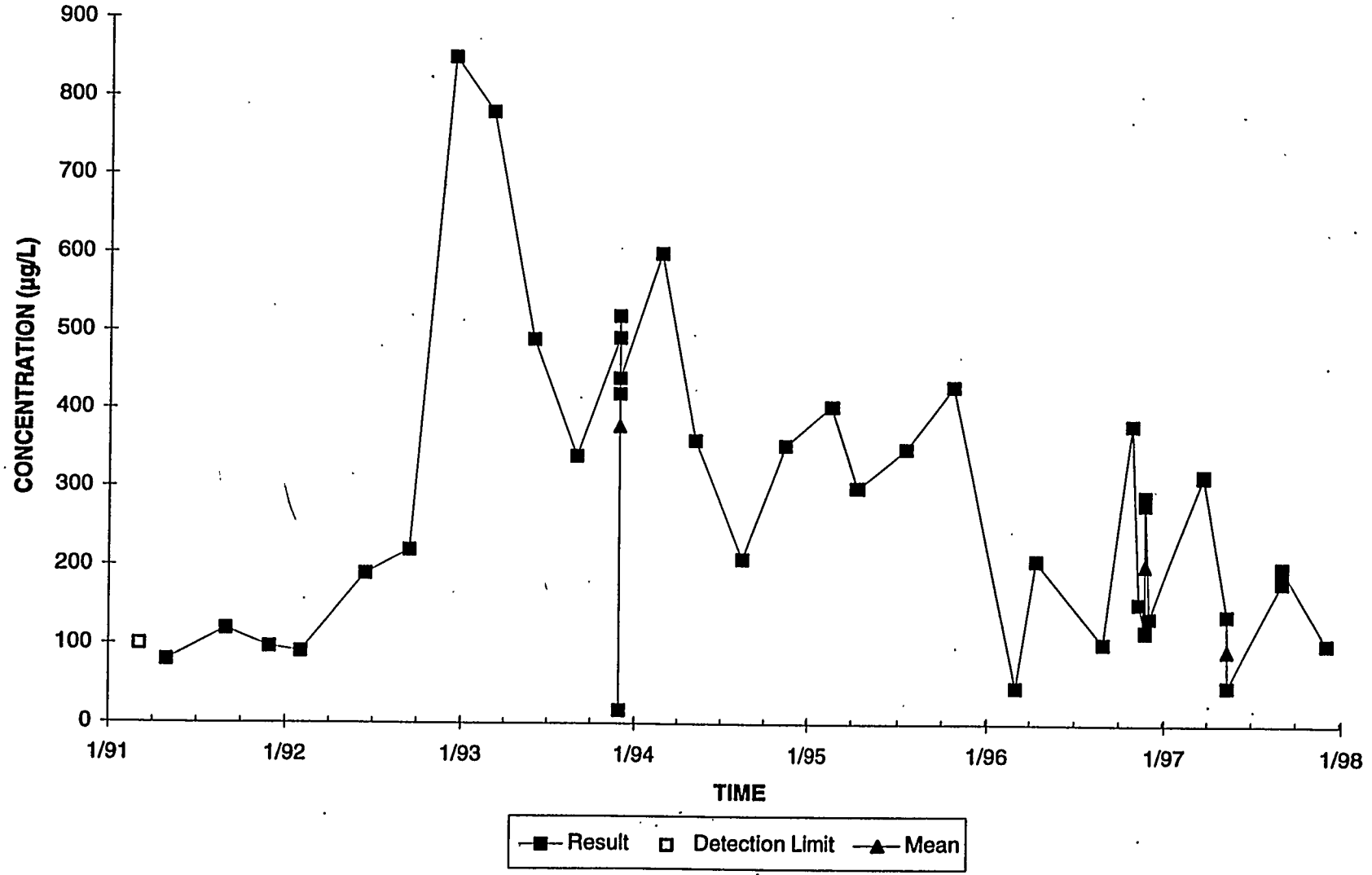
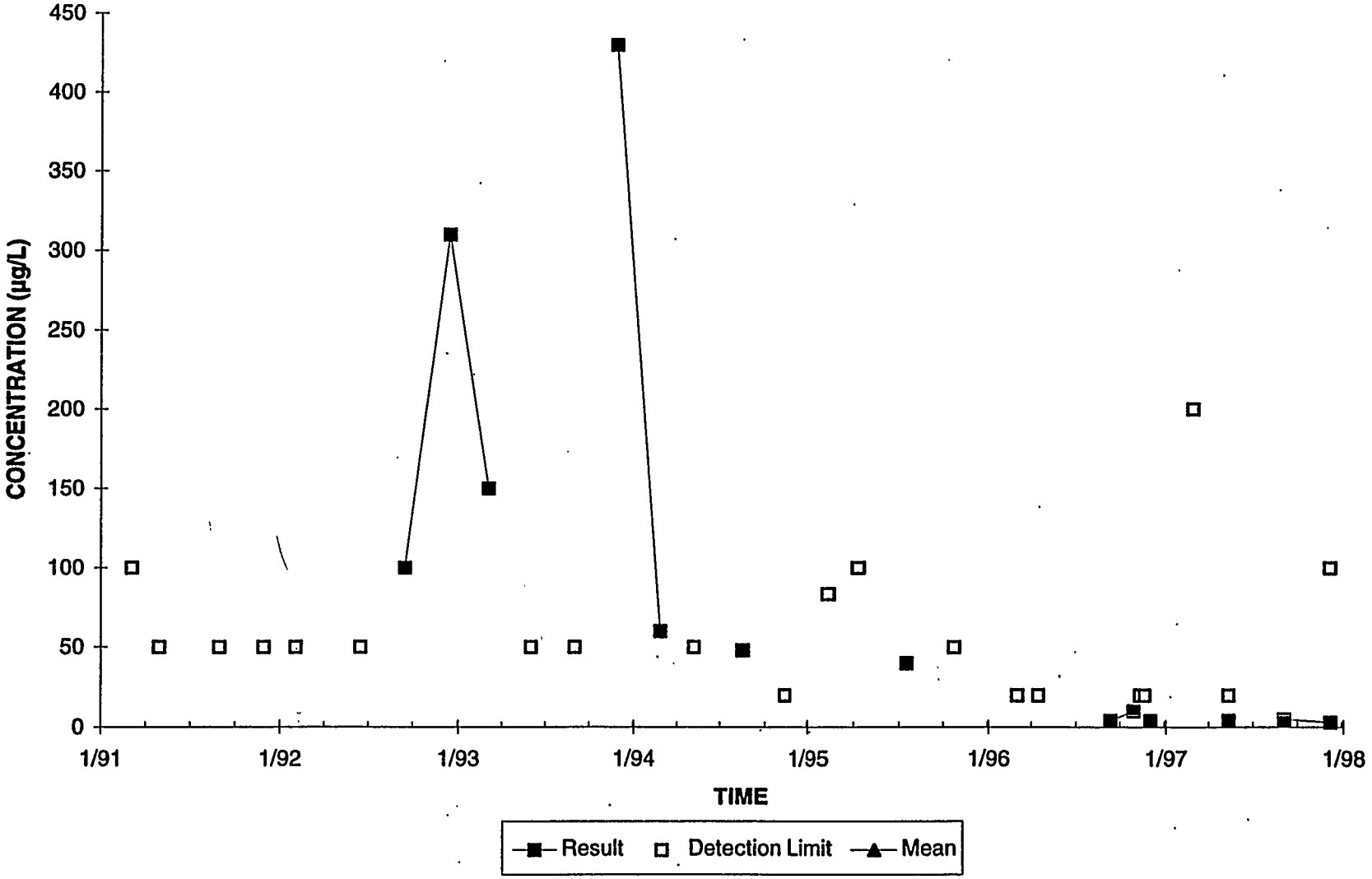


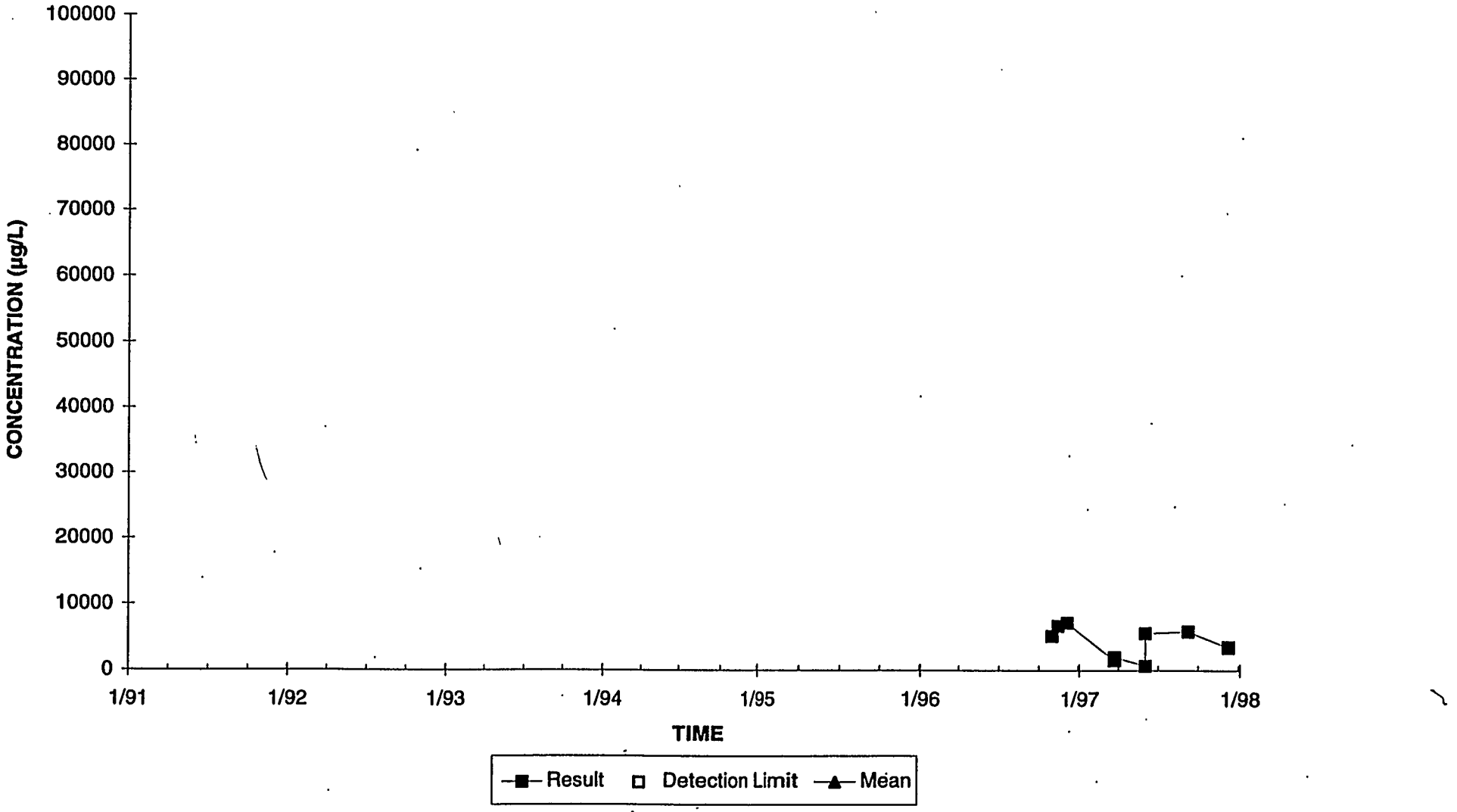
Nitrate-Nitrite Concentrations
Well TNX 11D



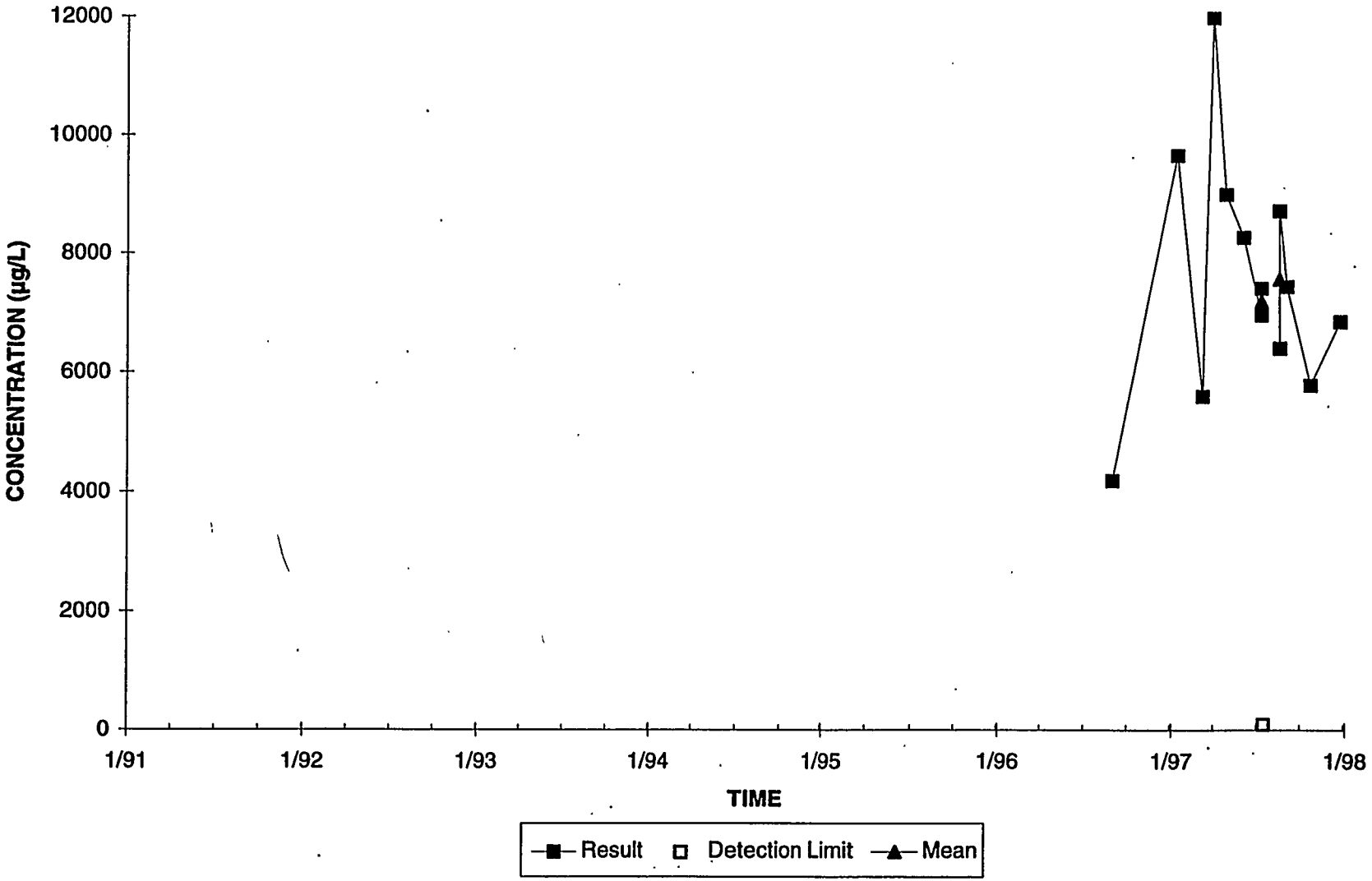
Nitrate-Nitrite Concentrations
Well TNX 12D



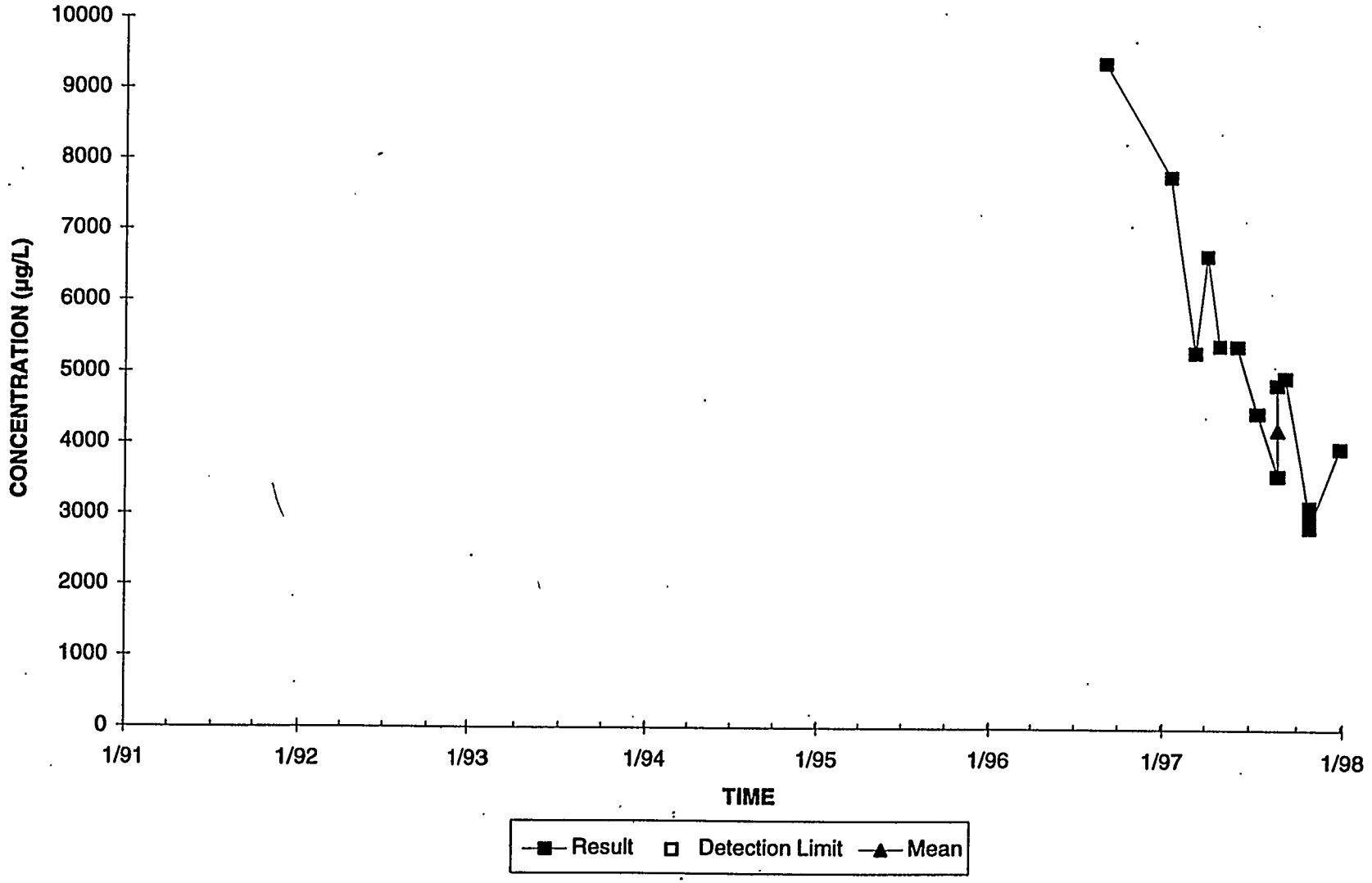
Nitrate-Nitrite Concentrations
Well TNX 27D



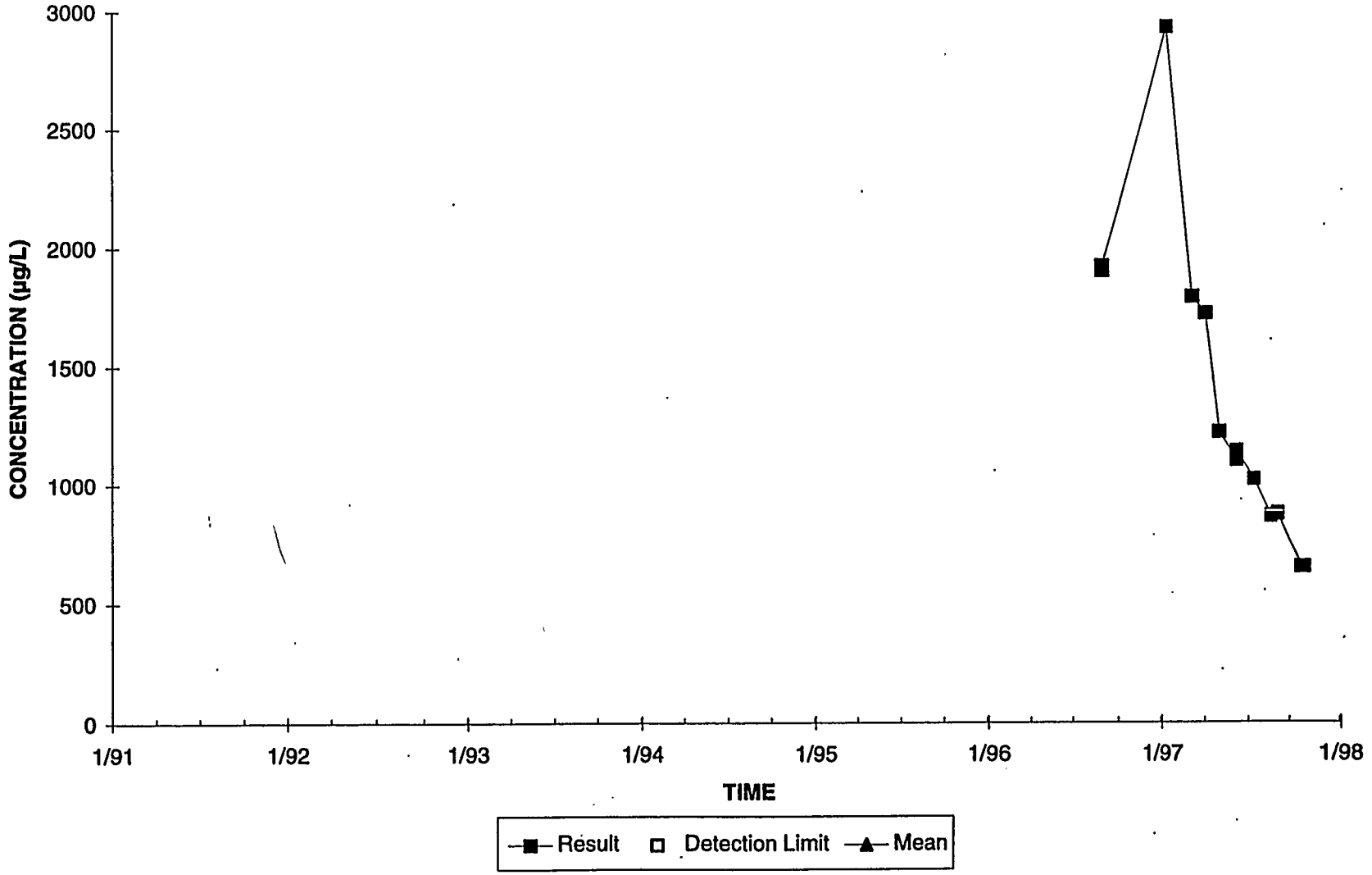
Nitrate-Nitrite Concentrations
Well TRW 1



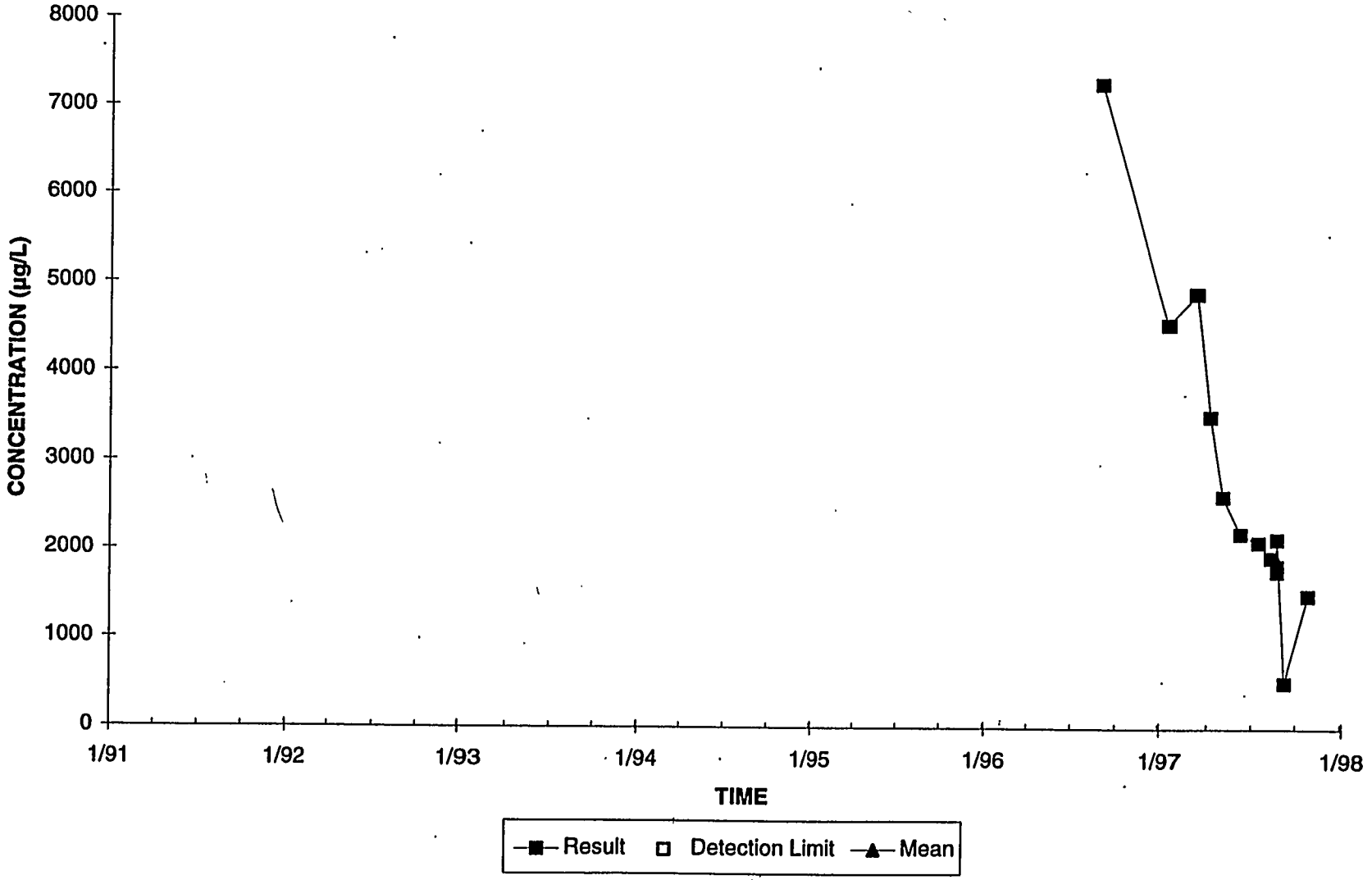
Nitrate-Nitrite Concentrations
Well TRW 2



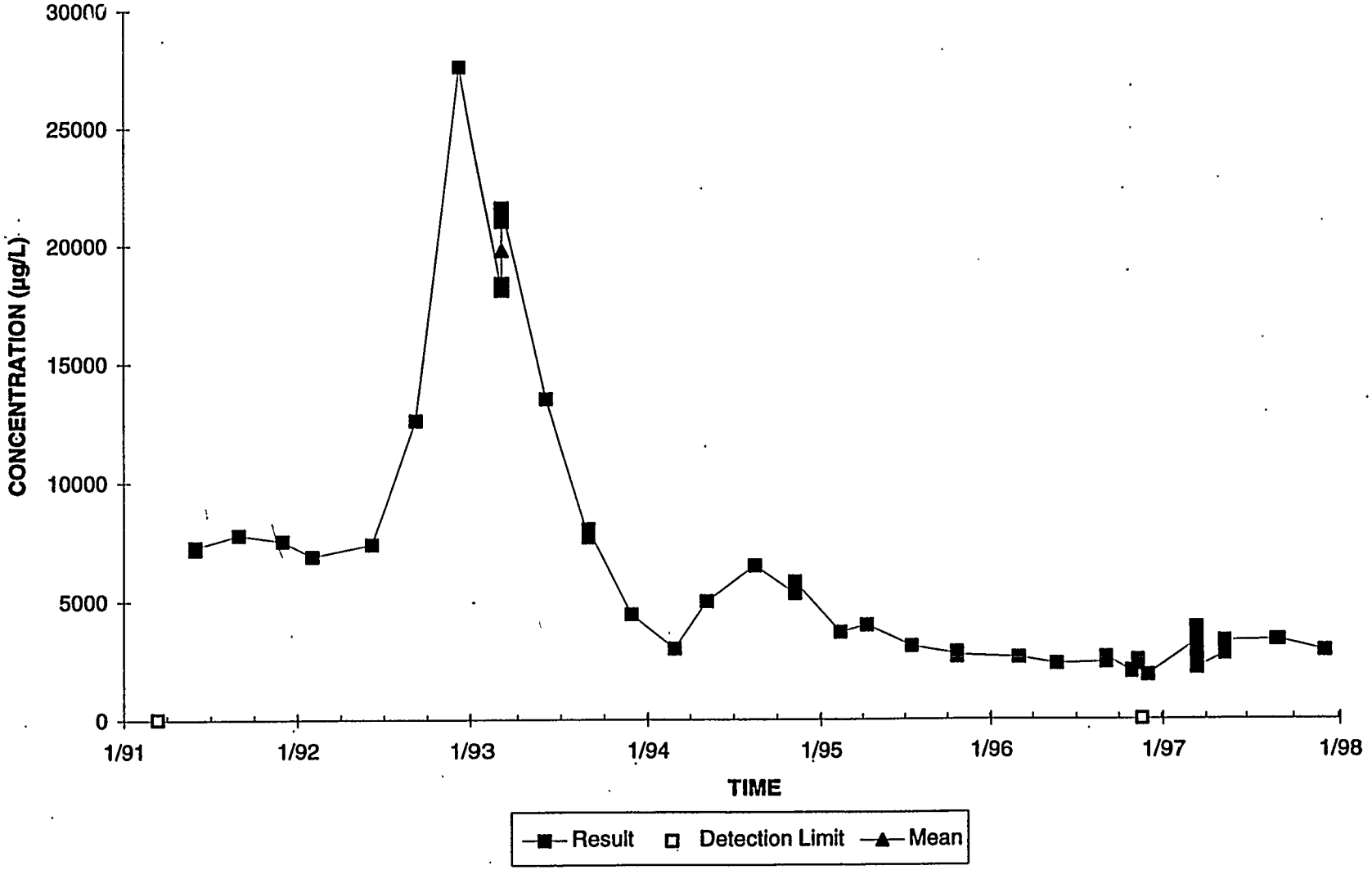
Nitrate-Nitrite Concentrations
Well TRW 3



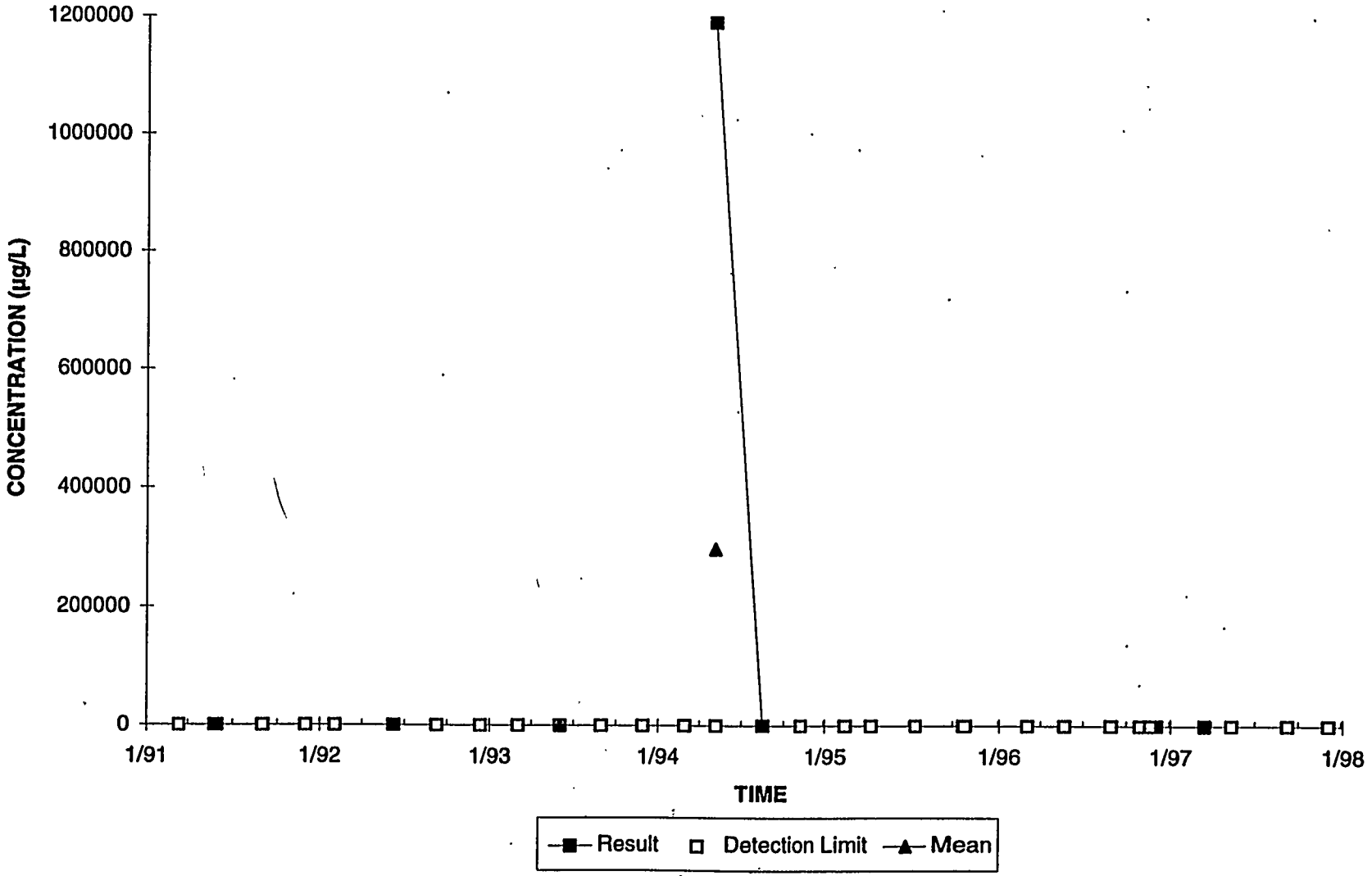
Nitrate-Nitrite Concentrations
Well TRW 4



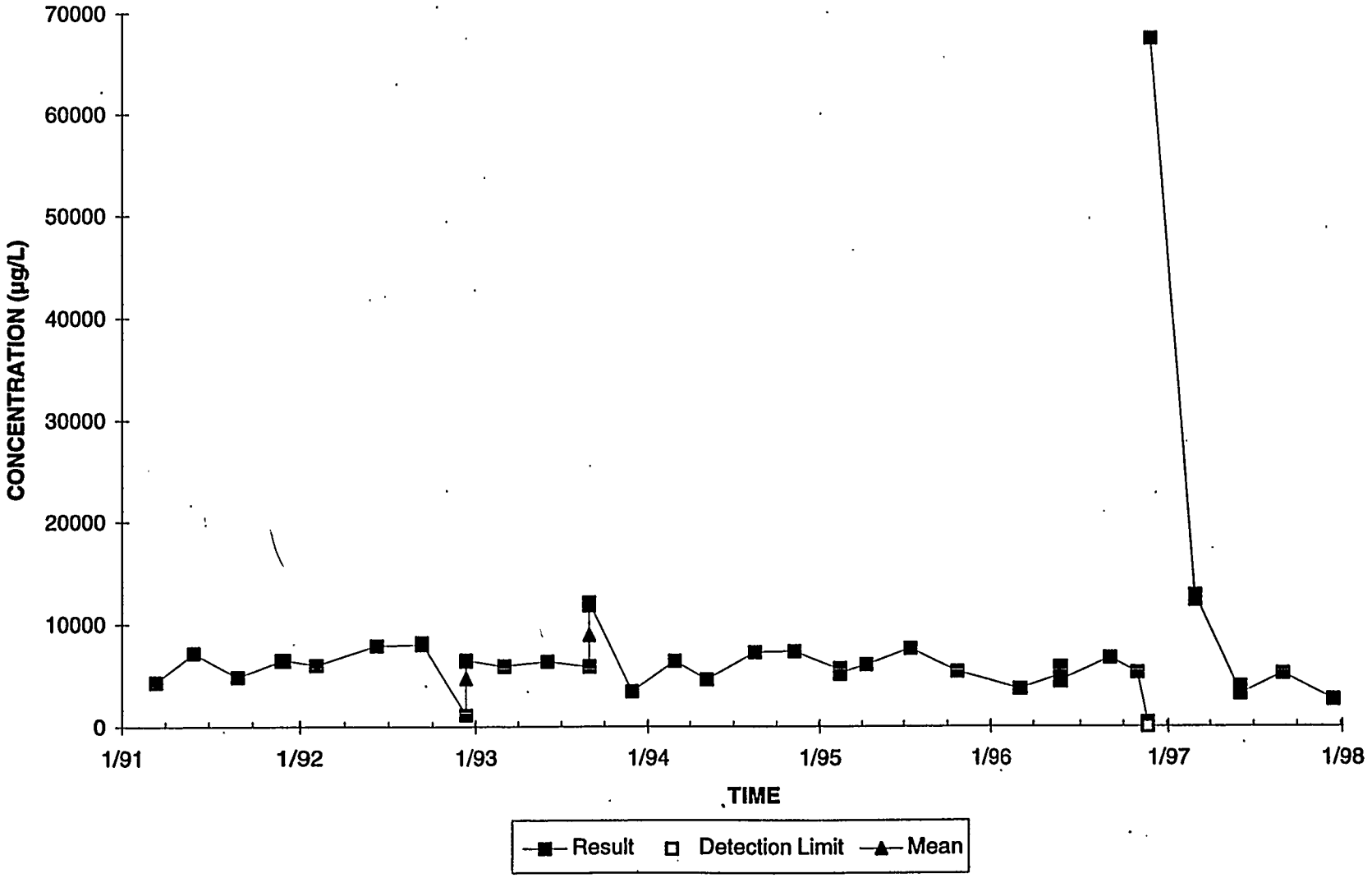
Nitrate-Nitrite Concentrations
Well XSB 1A



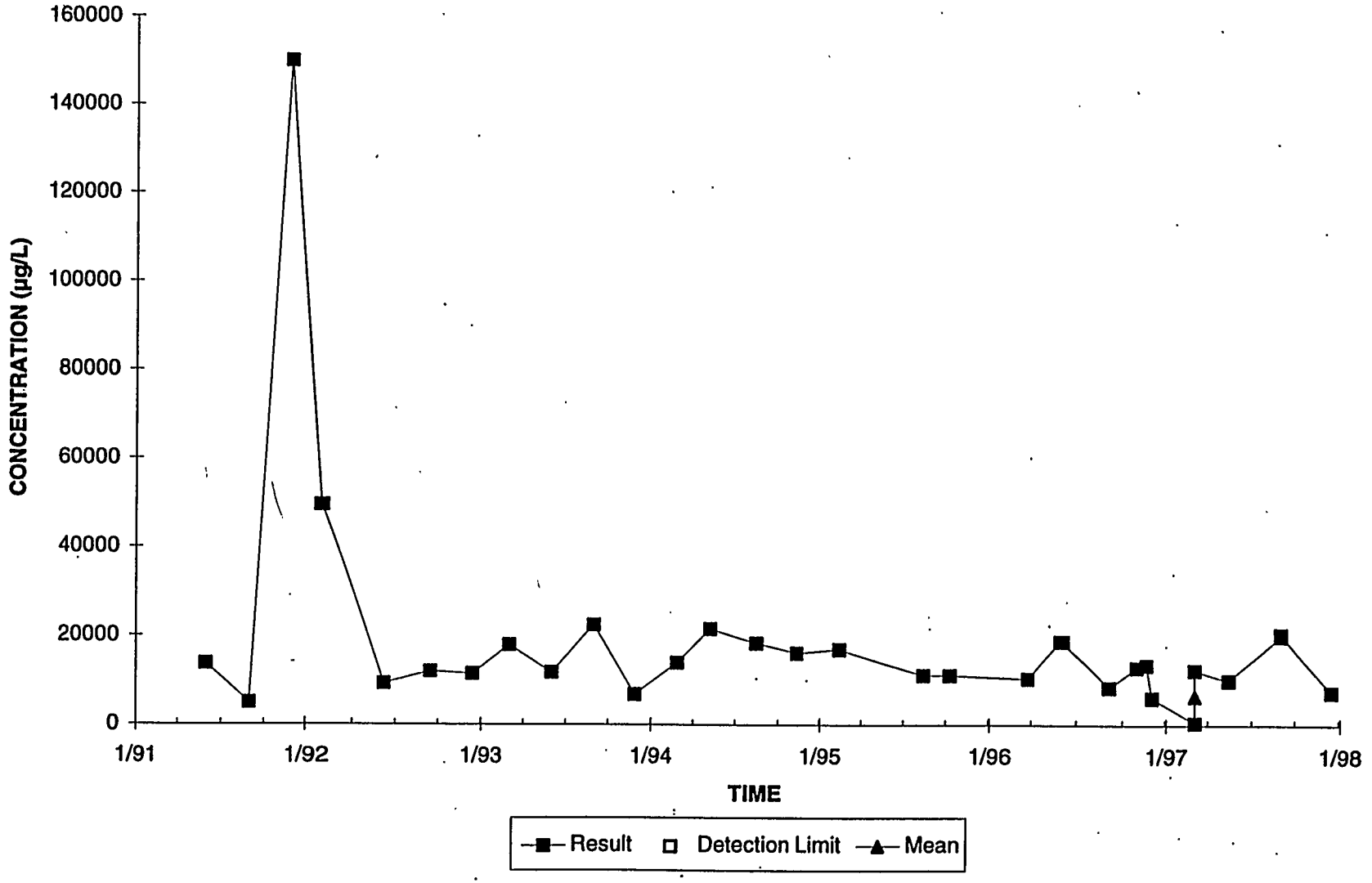
Nitrate-Nitrite Concentrations
Well XSB 1B



Nitrate-Nitrite Concentrations
Well XSB 1D



Nitrate-Nitrite Concentrations
Well XSB 2D



Nitrate-Nitrite Concentrations
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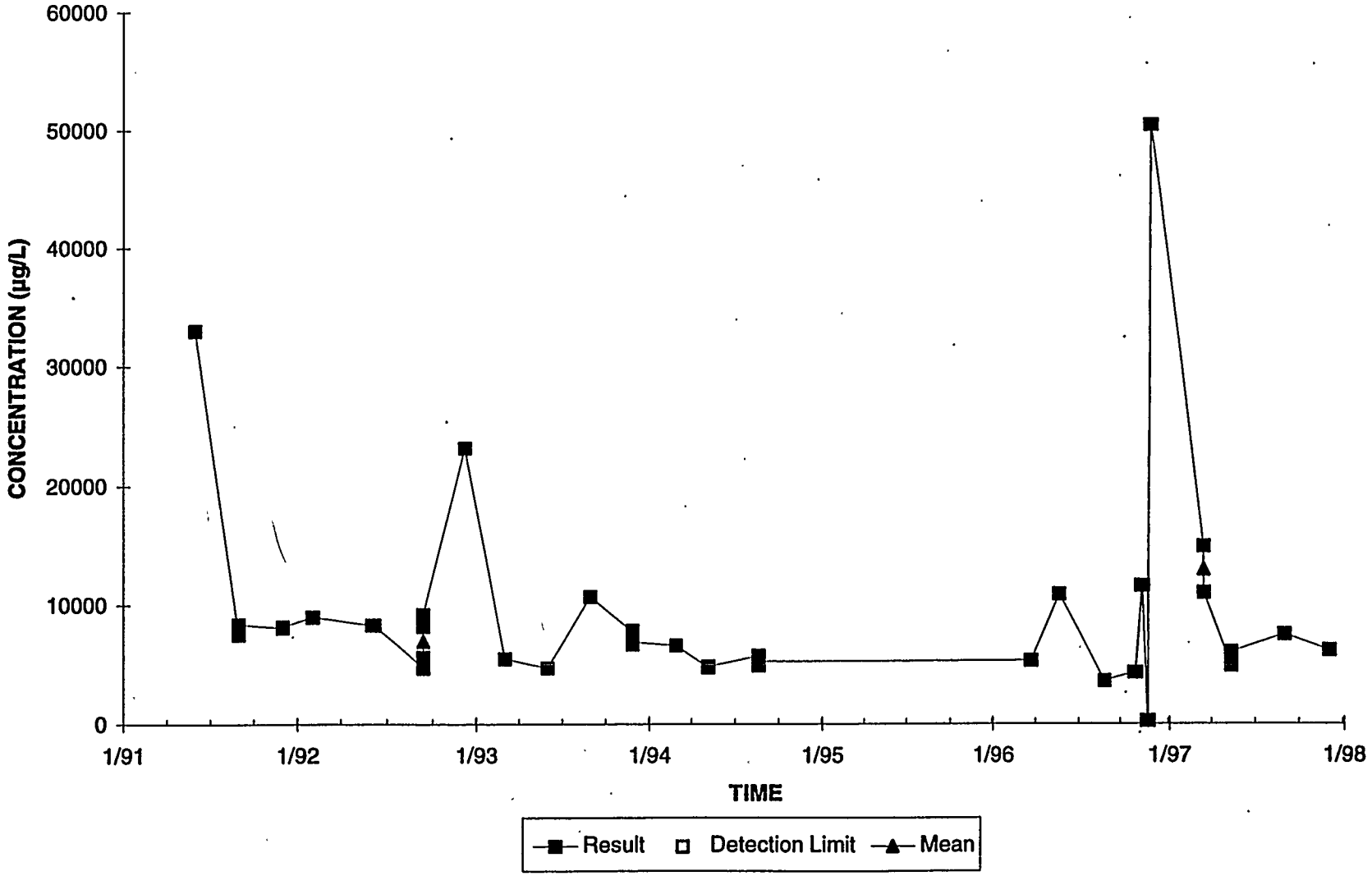

Nitrate-Nitrite Concentrations
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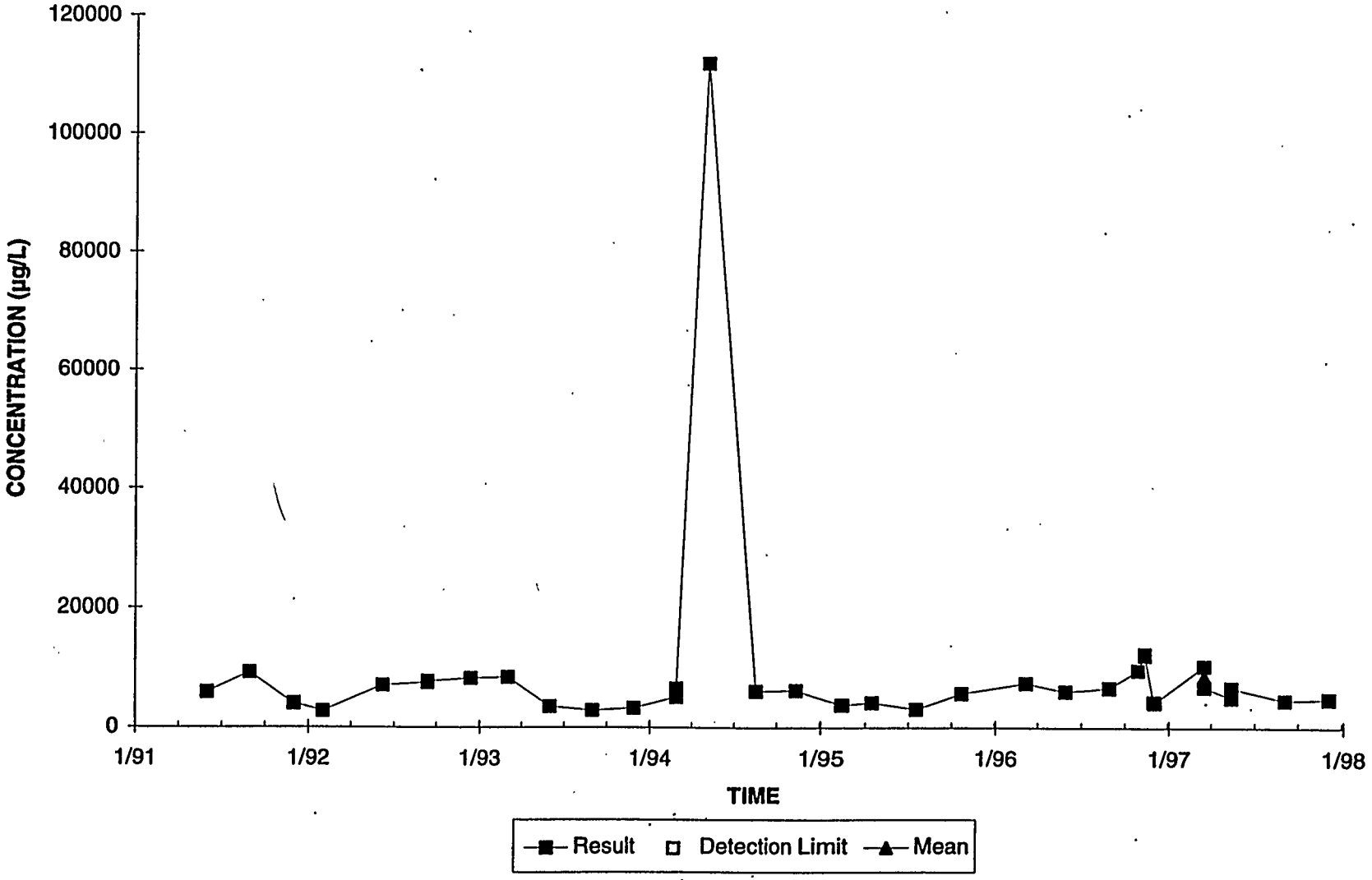

Nitrate-Nitrite Concentrations
Well XSB 5A