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SANITARY LANDFILL GROUNDWATER MONITORING REPORT (U)

FOURTH QUARTER 1997
AND 1997 SUMMARY

Publication Date: February 1998

Key Words

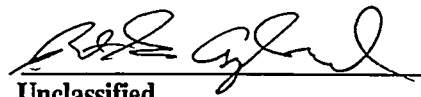
LFW Wells

Chloroethene (vinyl chloride)

Tetrachloroethylene

Trichloroethylene

Authorized Derivative Classifier



Unclassified

Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-96SR18500

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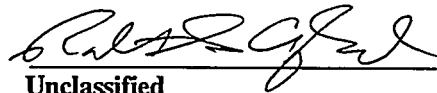
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Abstract

A maximum of forty-eight wells of the LFW series monitor groundwater quality in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill at the Savannah River Site (SRS). These wells are sampled quarterly to comply with the South Carolina Department of Health and Environmental Control Domestic Water Permit DWP-087A and as part of the SRS Groundwater Monitoring Program.

Chloroethene (vinyl chloride) and trichloroethylene were the most widespread constituents exceeding standards during 1997. Lead (total recoverable), 1,4-dichlorobenzene, mercury, benzene, dichloromethane (methylene chloride), a common laboratory contaminant, tetrachloroethylene, 1,2-dichloroethane, gross alpha, tritium, and 1,2-dichloropropane also exceeded standards in one or more wells.

The groundwater flow direction in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill was to the southeast (universal transverse Mercator coordinates). The flow rate in this unit was approximately 139 ft/year during first quarter 1997 and 132 ft/year during fourth quarter 1997.

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Contents

	Page
Abstract	iii
List of Figures.....	vi
List of Tables	vii
Executive Summary	1
Introduction	3
Discussion	5
Groundwater Monitoring Results	5
Integrity of the Monitoring Well Network	5
Analytical Results Exceeding Standards	6
Time-Trend Data	8
Water Levels.....	8
Groundwater Flow Directions and Rates	8
Upgradient Versus Downgradient Results	9
1997 Summary.....	10
References Cited.....	11
Errata.....	12
Appendix A – Final Primary Drinking Water Standards.....	A-1
Appendix B – Flagging Criteria	B-1
Appendix C – Figures	C-1
Appendix D – Groundwater Monitoring Results Tables	D-1
Appendix E – Data Quality/Usability Assessment.....	E-1
Appendix F – Time Series Plot	F-1
Appendix G – Hydrographs	G-1

List of Figures

	Page
1. Location of the Sanitary Landfill at the Savannah River Site	C-3
2. Boundaries of Original Sanitary Landfill and Expansions and Locations of Monitoring Wells at the Sanitary Landfill.....	C-4
3. Chloroethene Concentrations at the Sanitary Landfill, First Quarter 1997...	C-5
4. Chloroethene Concentrations at the Sanitary Landfill, Fourth Quarter 1997.....	C-6
5. Radium-226 Activities at the Sanitary Landfill, First Quarter 1997	C-7
6. Trichloroethylene Concentrations at the Sanitary Landfill, First Quarter 1997.....	C-8
7. Trichloroethylene Concentrations at the Sanitary Landfill, Fourth Quarter 1997.....	C-9
8. Tritium Concentrations at the Sanitary Landfill, First Quarter 1997.....	C-10
9. Tritium Concentrations at the Sanitary Landfill, Fourth Quarter 1997	C-11
10. Piezometric Surface Map of the Steed Pond Aquifer (Water Table) at the Sanitary Landfill, First Quarter 1997.....	C-12
11. Piezometric Surface Map of the Steed Pond Aquifer (Water Table) at the Sanitary Landfill, Fourth Quarter 1997.....	C-13
12. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclature.....	C-14

List of Tables

	Page
1. Maximum Levels of Constituents Exceeding the Final Primary Drinking Water Standards	D-6
2. Maximum Levels of Constituents Exceeding Other Flag 2 Criteria.....	D-8
3. Groundwater Monitoring Results for Individual Wells	D-9

Executive Summary

The Sanitary Landfill at the Savannah River Site (SRS) is composed of the original 32-acre landfill, plus expansion areas to the north and south that add 16 and 22 acres, respectively, to the facility. The landfill is subject to the requirements of the Resource Conservation and Recovery Act and is subject to the South Carolina Department of Health and Environmental Control (SCDHEC) Domestic Waste Permit DWP-087A and the Sanitary Landfill groundwater quality assessment plan.

A maximum of forty-eight wells of the LFW series monitored the groundwater quality in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill during 1997. These wells sampled quarterly for selected indicator parameters, inorganics, radionuclides, volatile organics, and other constituents to comply with the Sanitary Landfill groundwater quality assessment plan and as part of the SRS Groundwater Monitoring Program. No new wells were abandoned or installed in 1997.

During 1997, samples analyzed from 21 of the 48 monitoring wells (44 percent) exhibited levels of benzene, chloroethene (vinyl chloride), dichloromethane (methylene chloride), 1,2-dichloroethane, 1,2-dichloropropane, 1,4-dichlorobenzene, gross alpha, lead (total recoverable), mercury (total recoverable), tetrachloroethylene, trichloroethylene, or tritium that exceeded their final Primary Drinking Water Standards (PDWS).

Chloroethene and trichloroethylene were the most widespread constituents exceeding standards during 1997. Chloroethene occurred in concentrations that exceeded its final PDWS in 12 wells; trichloroethylene exceeded its final PDWS in 10 wells during the year. Mercury was elevated in 5 LFW wells; tetrachloroethylene was elevated in 4 wells; 1,4-dichlorobenzene was elevated in 3 wells; and benzene was elevated in 3 wells. The remaining elevated constituents occurred with less frequency during the year. These results are similar to the results for 1996.

The groundwater flow direction in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill during first and fourth quarters was to the southeast (universal transverse Mercator coordinates) toward Upper Three Runs Creek. Estimated flow rates in this aquifer during the same periods were 139 ft/year during first quarter 1997 and 132 ft/year during fourth quarter 1997. These directions and flow rates are very similar to directions and flow rates during 1996.

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Introduction

The Sanitary Landfill (740-G) (Figures 1 and 2, Appendix C) is located southwest of Road C, about midway down the slope from the Aiken Plateau to Upper Three Runs Creek. The following description outlines important events in the history of the landfill:

- The original 32-acre landfill began receiving sanitary waste, including paper and paper products, plastics, scrap metal, rubber, food waste, glass, packing material, miscellaneous construction debris, empty paint cans, and other nonradioactive waste materials in 1974.
- On June 12, 1978, the South Carolina Department of Health and Environmental Control (SCDHEC) issued permit DWP-087 to the U.S. Department of Energy (DOE) for the operation of the Sanitary Landfill for inert and domestic solid waste disposal.
- On September 9, 1986, SCDHEC issued permit DWP-087A which allowed expansion areas to the north and south of the original 32-acre landfill, adding 16 and 22 acres, respectively (WSRC, 1993).
- The original landfill was filled to capacity in early 1987 (WSRC, 1990).
- In 1988, the Sanitary Landfill was placed on the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) list because elevated levels of hazardous constituents were detected in the groundwater beneath the facility (WSRC, 1990).
- A groundwater quality assessment plan for the Sanitary Landfill was submitted to SCDHEC in 1990 (WSRC, 1990).
- SCDHEC renewed permit DWP-087A on July 24, 1991 (SCDHEC, 1991).
- As a result of Settlement Agreement 91-51-SW, effective August 24, 1991, the Sanitary Landfill became subject to RCRA requirements because wipes and rags contaminated with RCRA-listed solvents were disposed there.
- As a result of RCRA permit investigation, the U.S. Environmental Protection Agency (EPA) removed the Sanitary Landfill from the RFI/RI unit list in August 1991.
- The Northern Expansion began operations in mid-1992 when the Southern Expansion was filled (WSRC, 1993).
- SRS submitted a closure plan (rev. 0) for the Sanitary Landfill to SCDHEC on February 28, 1993. Based on comments received from the SCDHEC, a revised closure plan (rev. 1) was submitted in January 1994. Additional comments were received from SCDHEC in August 1995; the closure plan was revised in response to these comments and the Sanitary Landfill Closure Plan (rev. 2) was submitted in October 1995. This revision was released for public comment on November 6, 1995. The public comment period ended on December 6, 1995. There were no comments received during the public comment period. SCDHEC granted conditional approval of the Sanitary Landfill Closure Plan (rev. 2) in December 1995. In order to meet the conditions of the approval, SRS submitted revised pages to the Sanitary Landfill Closure Plan in February 1996. In addition, installation of the geosynthetic closure cap, as specified in the approved Closure Plan, was initiated in February 1996. The Sanitary Landfill was certified closed on October 26, 1997.
- A RCRA Part B post-closure care permit application was submitted to SCDHEC on March 31, 1993.
- A modification to the Sanitary Landfill groundwater quality assessment plan was approved by SCDHEC in November 1993. The modified plan included further characterization studies and proposed the installation of additional monitoring wells. Thirty-two new monitoring wells were sampled for the first time during second quarter 1994.
- The Northern Expansion, the last open portion of the Sanitary Landfill, ceased actual operations on November 1, 1994.

The SRS Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) samples the monitoring wells at the Sanitary Landfill quarterly for selected parameters. The Environmental Restoration Department provides quarterly reports of the monitoring results to SCDHEC to meet regulatory requirements.

Discussion

Groundwater Monitoring Data

Groundwater samples were collected from the LFW wells during December 1996 for first quarter 1997, during March for second quarter 1997, during June for third quarter 1997 and during September for fourth quarter 1997.

The WSRC sampling procedure 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 for each stability parameter 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 from 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.

Throughout 1996, samples from wells at the Sanitary Landfill were analyzed for selected indicator parameters, inorganics, radionuclides, volatile organics, and other constituents. For simplicity, results that equaled or exceeded standards are described as *exceeding* standards, *above* standards, or as *elevated*. These following standards were used in this report:

- The Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or drinking water screening levels, as established by the U. S. EPA (Appendix A)
- The South Carolina final PDWS for lead (Appendix A)
- SRS flagging criteria based on PDWS, Secondary Drinking Water Standards, or method detection limits (Appendix B)

The final PDWS for individual analytes provided in Appendix A may not always match the SRS flagging criteria provided in Appendix B. The final PDWS are used as guidelines in this compliance report to meet regulatory requirements; the flagging criteria are used by EPD/EMS to identify relative levels of constituents in the groundwater and as guides for scheduling groundwater sampling.

Integrity of the Monitoring Well Network

A maximum of forty-eight wells of the LFW series monitored groundwater quality in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill (Figure 2, Appendix C) during 1997. Fourteen wells were installed between 1981 and 1984, 17 wells were installed around the southern and northern expansions in late 1986, and 26 additional wells were installed in 1991. Between December 1993 and February 1994, 32 additional LFW wells were installed southeast of the southern expansion. During January 1996, fifty-five wells were deleted from analyses according to the Groundwater Quality Assessment Plan Amendment. Of these fifty-five wells, four are still being monitored in order to comply with SCDHEC Subtitle D regulations for the interim Sanitary Landfill. The designated background wells at the Sanitary Landfill are wells LFW29, 30, and 31, and well cluster LFW43.

SRS rehabilitates and replaces wells that do not produce representative groundwater samples. A complete record of well installations, replacements, and abandonments at the Sanitary Landfill is provided in the EPD/EMS well inventory. During 1997, no wells were abandoned or replaced.

Table 3 (Appendix D) lists the number of well volumes purged from each of the LFW series wells during each quarter 1997 and provides samples codes (I, P, X, etc. [see Appendix D front matter]) that describes unusual sampling events. Although not all wells were sampled during every quarter, there were no unusual sampling events recorded in 1997. The reasons for the wells not being sampled are described below.

- Wells LFW6R, LFW8R, LFW10A, LFW18, LFW21, and LFW23R were not sampled during first quarter 1997 due to their proximity to the Sanitary Landfill Closure Cap activities.

- Wells LFW61D and LFW 62D were not sampled during first and second quarters 1997 because the purge water from these wells contain mercury that could not be treated at the M-1 Air Stripper until the NPDES permit for the stripper was modified.
- Wells LFW10A, LFW18, and LFW21 were not during second quarter 1997 due to their proximity to the Sanitary Landfill Closure Cap activities.
- LFW10A was not sampled during third and fourth quarters 1997 due to mechanical failure.

Analytical Results Exceeding Standards

Results for analytes that exceeded the final PDWS (Appendix A) during each quarter 1997 are summarized in Table 1 (Appendix D) and described in the following text. The text includes the maximum level for each constituent in parentheses following the well in which it was detected.

During first quarter 1997, 10 of the 48 LFW wells contained elevated constituents.

- Chloroethene was elevated in 5 wells: LFW36R (maximum concentration at 27.6 µg/L), 58D, 63D, 64D, and 69D.
- Trichloroethylene was elevated in 5 wells: LFW58D, 59D (maximum concentration at 72.2 µg/L), 60D, 65D, and 67C.
- Benzene was elevated in 2 wells: LFW58D (maximum concentration at 9.6 µg/L) and 67C.
- Tetrachloroethylene was elevated in 2 wells: LFW59D (maximum concentration at 34.2 µg/L) and 67C.
- 1,4-dichlorobenzene was elevated in well LFW58D at a concentration of 94 µg/L.
- Dichloromethane was elevated in well LFW59D at a concentration of 24.3 µg/L.
- Mercury was elevated in well LFW68D at a concentration of 2.24 µg/L.

During second quarter 1997, 12 of the 48 LFW wells contained elevated constituents.

- Chloroethene was elevated in 8 wells: LFW8R, 36R, 58D (maximum concentration at 55.7 µg/L), 60C, 63D, 64D, 67C, and 69D.
- Trichloroethylene was elevated in 7 wells: LFW58D, 59D (maximum concentration at 30 µg/L), 60C, 60D, 65D, 67C, and 67D.
- Benzene was elevated in 2 wells: LFW58D (maximum concentration at 10.6 µg/L) and 67C.
- Tritium was elevated in 2 wells: LFW64D (maximum activity level of 26.5 pCi/mL) and 67C.
- Tetrachloroethylene was elevated in well LFW59D at a concentration of 19 µg/L).

During third quarter 1997, 16 of the 48 LFW wells contained elevated constituents.

- Chloroethene was elevated in 11 wells: LFW8R, 18, 21, 36R, 58D (maximum concentration at 45.5 µg/L), 60C, 62D, 63D, 64D, 67C, and 69D.
- Trichloroethylene was elevated in 8 wells: LFW58D, 59D (maximum concentration at 26.4 µg/L), 61D, 62C, 62D (maximum concentration at 26.4 µg/L), 65D, 67C, and 67D.
- Benzene was elevated in 3 wells: LFW58D, 62D (maximum concentration at 31 µg/L) and 67C.
- 1,4-dichlorobenzene was elevated in 2 wells: LFW58D (maximum concentration at 144 µg/L) and 62D.

- Tetrachloroethylene was elevated in 2 wells: LFW59D (maximum concentration at 13.5 µg/L) and 67C.
- Tritium was elevated in 2 wells: LFW64D (maximum activity level of 25.56 pCi/mL) and 67C.
- Mercury was elevated in well LFW62C at a concentration of 17.1 µg/L.

During fourth quarter 1997, 21 of the 48 LFW wells contained elevated constituents.

- Chloroethene was elevated in 11 wells: LFW6R, 8R, 18, 21, 36R (maximum concentration at 219 µg/L), 58D, 60C, 62D, 63D, 64D, and 69D.
- Trichloroethylene was elevated in 8 wells: LFW58D, 59D, 61D, 62C, 62D (maximum concentration at 17 µg/L), 65D, 67C, and 67D.
- Mercury was elevated in 4 wells: LFW48C, 60D, 62C (maximum concentration at 6.5 µg/L), and 62D.
- Tetrachloroethylene was elevated in 4 wells: LFW59D (maximum concentration at 8.46 µg/L), 61D, 65D, and 67C.
- 1,4-dichlorobenzene was elevated in 3 wells: LFW36R (maximum concentration at 131 µg/L), 58D, and 62D.
- Benzene was elevated in 3 wells: LFW58D, 62D (maximum concentration at 22.7 µg/L) and 67C.
- Tritium was elevated in 2 wells: LFW64D and 67C (maximum activity level of 26.79 pCi/mL).
- 1,2-dichloroethane was elevated in well LFW62D at a concentration of 5.08 µg/L.
- 1,2-dichloropropane was elevated in well LFW67C at a concentration of 3.18 µg/L.
- Dichloromethane was elevated in well LFW62D at a concentration of 30.1 µg/L.
- Gross alpha was elevated in well LFW64C at an activity level of 17.32 pCi/L.
- Lead was elevated in well LFW6R at a concentration of 55.1 µg/L.

Results for analytes that exceeded other SRS Flag 2 criteria (appendix B) during fourth quarter 1997 are summarized in Table 2 (Appendix D).

Table 3 (Appendix D) shows the results during each quarter of 1997 for all of the constituents. The analytical laboratories that conducted the analyses, the dilution factors used in the analyses, and the analyses that received modifiers (which help define the laboratory accuracy and precision) or that exceeded the EPA-approved holding times listed in Table 3 are for fourth quarter 1997 data only. Constituents results in Table 3 that appear to equal the final PDWS but are not marked in the *ST* column (exceeded the final PDWS or screening level) are below the final PDWS in the database. Database results, the results that are compared to the final PDWS, contain more significant digits than the results given in this report. Apparent discrepancies are the result of the rounding of reported results.

In addition to the results tables, Appendix D 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. Appendix E provides a general assessment of the quality and usability of EPD/EMS data.

Isoconcentration maps of chloroethene, trichloroethylene, and tritium for first and fourth quarters 1997, and radium-226 for first quarter 1997 are presented in Figures 3 through 9 (Appendix C).

Time-Trend Data

Appendix F presents time series plots for benzene in wells LFW8R, 21, 22, 36, 48D, 58D, 59D, 61C, and 61D; 1,4-dichlorobenzene in wells LFW21, 22, 36, 48D, 58D, 59D, 61C, and 61D; dichloromethane in wells LFW 8R, 21, 22, 36, 39, 48D, 58D, 59D, 61C, and 61D; ethylbenzene in wells LFW21, 22, 36, 39, 48D, 58D, 59D, 61C, and 61D; tetrachloroethylene in wells LFW8R, 21, 22, 36, 39, 48D, 58D, 59D, 61C, and 61D; trichloroethane in wells LFW8R, 21, 22, 39, 48D, 58D, 59D, 61C, and 61D; trichlorofluoromethane in wells LFW8R, 21, 22, 36, 39, 58D, 59D, 61C, and 61D; and xylenes in wells LFW8R, 21, 22, 36, 39, 48D, 58D, 59D, 61C, and 61D in the Sanitary Landfill through fourth quarter 1997.

Water Levels

Hydrographs showing the water elevations through time for wells at the Sanitary Landfill are provided in Appendix G. The average water elevations in the Steed Pond Aquifer (Water Table) for each quarter of 1996 and 1997 are presented below.

Average Water Elevations at the Sanitary Landfill

Quarter	1996 Average Water Elevation (ft msl)	1997 Average Water Elevation (ft msl)
First	146.9	141.4
Second	148.6	145.3
Third	142.5	142.1
Fourth	147.9	143.0

Groundwater Flow Directions and Rates

Historically, the groundwater flow direction in the Steed Pond Aquifer (Water Table) hydrostratigraphic unit beneath the Sanitary Landfill has been to the southeast (Universal Transverse Mercator [UTM] coordinates) toward Upper Three Runs Creek. During the first and fourth quarters 1997, the flow direction was to the southeast (Figures 10 and 11, Appendix C). Figure 12 presents the regional correlation of hydrostratigraphic and lithostratigraphic nomenclature.

Horizontal flow rate calculations provide estimates of the transport rate of constituents originating from the Sanitary landfill. Flow rates are estimated using the following equation:

$$\text{Flow (ft/day)} = \frac{\text{Hydraulic Conductivity, } K_h \text{ (ft/day)}}{\text{Porosity (unitless)}} \times \frac{dh \text{ (ft)}}{dl \text{ (ft)}}$$

where the hydraulic conductivity (K_h) constant is 10 ft/day, the effective porosity value is 20 percent, the change in head is dh , and the horizontal distance along each flow direction arrow is dl .

Flow path length is calculated to the nearest 50 ft. Flow rate per day is calculated to two significant figures, then multiplied by 365 and rounded to two significant figures for the flow rate per year. Flow rate estimated vary depending upon the vertical gradient between wells, the size of the area under consideration, the number of data points, and the length and location of the flow path. Because these are inferred or estimated parameters, flow rate estimates should be considered accurate to an order of magnitude only.

The approximate groundwater flow rate in the Steed Pond Aquifer (Water Table) during first quarter 1997 was estimated as follows (Figure 10, Appendix C):

$$\frac{10}{0.20} \times \frac{26}{3375} = 0.38 \text{ ft/day}$$

$$0.38 \text{ ft/day} \times 365 \text{ days} \approx 139 \text{ ft/year}$$

The approximate groundwater flow rate in the Steed Pond Aquifer (Water table) during fourth quarter 1997 is estimated as follows (Figure 11, Appendix C):

$$\frac{10}{0.20} \times \frac{26}{3600} = 0.36 \text{ ft/day}$$

$$0.36 \text{ ft/day} \times 365 \text{ days} \approx 132 \text{ ft/year}$$

Upgradient versus Downgradient Results

Wells LFW 43B, 43C, and 43D, at the northern end of the Sanitary Landfill, are designated upgradient wells for the Steed Pond Aquifer (Water Table). All remaining Steed Pond Aquifer (Water Table) wells monitor downgradient or sidegradient water quality (Figures 2, 10, and 11, Appendix C). None of the constituents exceeded their final PDWS in the upgradient wells.

Chloroethene, lead, 1,4-dichlorobenzene, mercury, benzene, trichloroethylene, dichloromethane, tetrachloroethylene, 1,2-dichloroethane, gross alpha, tritium, and 1,2-dichloropropane were elevated in one or more of the downgradient or sidegradient wells during the year.

Wells LFW 32, 74C, 74D, 75C, and 75D are upgradient wells, which are monitored to meet the requirements of Subtitle D of the SCDHEC permit (nonhazardous solid waste) for the Interim Sanitary Landfill. These wells are monitored for the Solid Waste Program and are not part of the 48 well monitoring network. However, information provided by these wells is germane to the groundwater monitoring scheme for the Sanitary Landfill. None of the constituents exceeded their final PDWS in wells LFW32, 74C, 74D, 75C, and 75D.

1997 Summary

During first quarter 1997, 10 of the 48 LFW wells contained levels of chloroethene, trichloroethylene, benzene, tetrachloroethylene, 1,4-dichlorobenzene, dichloromethane, and mercury that exceeded the final PDWS. Elevated levels of chloroethene and trichloroethylene occurred most frequently: chloroethene exceeded the final PDWS in 5 wells, with the maximum concentration detected in well LFW36R at 27.6 µg/L; trichloroethylene exceeded its PDWS in 5 wells, with the highest concentration in well LFW59D at 72.2 µg/L. The remaining constituents were elevated in 2 or fewer wells during first quarter.

Elevated levels of chloroethene, trichloroethylene, benzene, tritium, and tetrachloroethylene exceeded their final PDWS in one or more of 12 wells at the Sanitary Landfill during second quarter 1997. Chloroethene and trichloroethylene occurred most frequently: chloroethene exceeded the final PDWS in 8 wells, with the maximum concentration detected in well LFW58D at 55.7 µg/L; trichloroethylene exceeded its PDWS in 7 wells, with the highest concentration in well LFW59D at 30 µg/L. The remaining constituents were elevated in 2 or fewer wells during second quarter.

During third quarter 1997, 160 of the 48 LFW wells contained levels of chloroethene, trichloroethylene, benzene, 1,4-dichlorobenzene, tetrachloroethylene, tritium, and mercury that exceeded the final PDWS in the groundwater beneath the Sanitary Landfill. Elevated levels of chloroethene and trichloroethylene occurred most frequently: chloroethene exceeded the final PDWS in 11 wells, with the maximum concentration detected in well LFW58D at 45.5 µg/L; trichloroethylene exceeded its PDWS in 8 wells, with the highest concentration in well LFW59D at 26.4 µg/L. The remaining constituents were elevated in 3 or fewer wells during third quarter.

Elevated levels of chloroethene, trichloroethylene, mercury, tetrachloroethylene, 1,4-dichlorobenzene, benzene, tritium, 1,2-dichloroethane, 1,2-dichloropropane, dichloromethane, gross alpha, and lead exceeded their final PDWS in one or more of 21 wells at the Sanitary Landfill during fourth quarter 1997. Chloroethene and trichloroethylene occurred most frequently: chloroethene exceeded the final PDWS in 11 wells, with the maximum concentration detected in well LFW36R at 219 µg/L; trichloroethylene exceeded its PDWS in 8 wells, with the highest concentration in well LFW62D at 17 µg/L. The remaining constituents were elevated in 4 or fewer wells during second quarter.

The analytical results for 1997 are similar to the results for 1996. None of the constituents exceeded their final PDWS in the upgradient wells LFW43B, 43C, and 43D. And none of the constituents exceeded their final PDWS in the Interim Sanitary Landfill wells LFW32, 74C, 74D, 75C, and 75D.

The groundwater flow direction in the Steed Pond Aquifer (Water Table) beneath the Sanitary Landfill is to the southeast (UTM coordinates) toward Upper Three Runs Creek. The flow rate in this aquifer during first quarter 1997 was estimated to be approximately 139 ft/year and during fourth quarter 1997, it was estimated at approximately 132 ft/year. Flow directions and rates during 1997 were very similar to 1996 findings.

References Cited

- Heffner, J.D., and Exploration Resources, Inc., 1991. **Technical Summary of Groundwater Quality Protection Program at the Savannah River Site (1952-1986), Volume I – Site Geohydrology and Waste Sites**, DPSP-88-1002. Westinghouse Savannah River Company, Savannah River Site, Aiken, SC.
- SCDHEC (South Carolina Department of Health and Environmental Control), 1991. **Sanitary Landfill Domestic Waste Permit 087A**, April 1991. Columbia, SC.
- WSRC (Westinghouse Savannah River Company), 1990. **Sanitary Landfill Groundwater Quality Assessment Plan**, WSRC-TR-90-167. Savannah River Site, Aiken, SC.

Errata

Result values for earlier quarters presented in this report may differ from the values for those same quarters presented in earlier reports because some reanalysis may have been performed by the laboratories after the reports were printed.

Fourth Quarter 1997:

- No errata have been reported.

Appendix A

Final Primary Drinking Water Standards

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Final Primary Drinking Water Standards

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Source</u>
Alachlor	µg/L	2	Final	EPA, 1993
Aldicarb ^a	µg/L	3	Final	EPA, 1993
Aldicarb sulfone ^a	µg/L	2	Final	EPA, 1993
Aldicarb sulfoxide ^a	µg/L	4	Final	EPA, 1993
Antimony	µg/L	6	Final	EPA, 1993
Arsenic	µg/L	50	Final	EPA, 1993
Asbestos	Fibers/L	7,000,000	Final	EPA, 1993
Atrazine	µg/L	3	Final	EPA, 1993
Barium	µg/L	2,000	Final	EPA, 1993
Benzene	µg/L	5	Final	EPA, 1993
Benzo[a]pyrene	µg/L	0.2	Final	EPA, 1993
Beryllium	µg/L	4	Final	EPA, 1993
Bis(2-ethylhexyl) phthalate	µg/L	6	Final	EPA, 1993
Bromodichloromethane	µg/L	100	Final	EPA, 1993
Bromoform	µg/L	100	Final	EPA, 1993
2-sec-Butyl-4,6-dinitrophenol	µg/L	7	Final	EPA, 1993
Cadmium	µg/L	5	Final	EPA, 1993
Carbofuran	µg/L	40	Final	EPA, 1993
Carbon tetrachloride	µg/L	5	Final	EPA, 1993
Chlordane	µg/L	2	Final	EPA, 1993
Chlorobenzene	µg/L	100	Final	EPA, 1993
Chloroethene (Vinyl chloride)	µg/L	2	Final	EPA, 1993
Chloroform	µg/L	100	Final	EPA, 1993
Chromium	µg/L	100	Final	EPA, 1993
Copper	µg/L	1,300	Final	EPA, 1993
Cyanide	µg/L	200	Final	EPA, 1993
Dalapon ^a	µg/L	200	Final	EPA, 1993
Dibromochloromethane	µg/L	100	Final	EPA, 1993
1,2-Dibromo-3-chloropropane	µg/L	0.2	Final	EPA, 1993
1,2-Dibromoethane	µg/L	0.05	Final	EPA, 1993
1,2-Dichlorobenzene	µg/L	600	Final	EPA, 1993
1,4-Dichlorobenzene	µg/L	75	Final	EPA, 1993
1,2-Dichloroethane	µg/L	5	Final	EPA, 1993
1,1-Dichloroethylene	µg/L	7	Final	EPA, 1993
1,2-Dichloroethylene	µg/L	50	Final	EPA, 1993
cis-1,2-Dichloroethylene	µg/L	70	Final	EPA, 1993
trans-1,2-Dichloroethylene	µg/L	100	Final	EPA, 1993
Dichloromethane (Methylene chloride)	µg/L	5	Final	EPA, 1993
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final	EPA, 1993
1,2-Dichloropropane	µg/L	5	Final	EPA, 1993
Di(2-ethylhexyl) adipate ^a	µg/L	400	Final	EPA, 1993
Diquat dibromide ^a	µg/L	20	Final	EPA, 1993
Endothall ^a	µg/L	100	Final	EPA, 1993
Endrin	µg/L	2	Final	EPA, 1993
Ethylbenzene	µg/L	700	Final	EPA, 1993
Fluoride	µg/L	4,000	Final	EPA, 1993
Glyphosate ^a	µg/L	700	Final	EPA, 1993
Gross alpha ^b	pCi/L	1.5E+01	Final	EPA, 1993
Heptachlor	µg/L	0.4	Final	EPA, 1993
Heptachlor epoxide	µg/L	0.2	Final	EPA, 1993

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Source</u>
Hexachlorobenzene	µg/L	1	Final	EPA, 1993
Hexachlorocyclopentadiene	µg/L	50	Final	EPA, 1993
Lead	µg/L	50	Final	SCDHEC, 1981
Lindane	µg/L	0.2	Final	EPA, 1993
Mercury	µg/L	2	Final	EPA, 1993
Methoxychlor	µg/L	40	Final	EPA, 1993
Nickel	µg/L	100	Final	EPA, 1993
Nitrate as nitrogen	µg/L	10,000	Final	EPA, 1993
Nitrate-nitrite as nitrogen	µg/L	10,000	Final	EPA, 1993
Nitrite as nitrogen	µg/L	1,000	Final	EPA, 1993
Nonvolatile beta	pCi/L	5E+01	Interim Final	EPA, 1977
Oxamyl ^a	µg/L	200	Final	EPA, 1993
PCB 1016	µg/L	0.5	Final	EPA, 1993
PCB 1221	µg/L	0.5	Final	EPA, 1993
PCB 1232	µg/L	0.5	Final	EPA, 1993
PCB 1242	µg/L	0.5	Final	EPA, 1993
PCB 1248	µg/L	0.5	Final	EPA, 1993
PCB 1254	µg/L	0.5	Final	EPA, 1993
PCB 1260	µg/L	0.5	Final	EPA, 1993
PCB 1262	µg/L	0.5	Final	EPA, 1993
Pentachlorophenol	µg/L	1	Final	EPA, 1993
Picloram ^a	µg/L	500	Final	EPA, 1993
Selenium	µg/L	50	Final	EPA, 1993
Simazine ^a	µg/L	4	Final	EPA, 1993
Strontium-89/90 ^c	pCi/L	8E+00	Final	EPA, 1993
Strontium-90	pCi/L	8E+00	Final	EPA, 1993
Styrene	µg/L	100	Final	EPA, 1993
2,3,7,8-TCDD	µg/L	0.00003	Final	EPA, 1993
Tetrachloroethylene	µg/L	5	Final	EPA, 1993
Thallium	µg/L	2	Final	EPA, 1993
Toluene	µg/L	1,000	Final	EPA, 1993
Toxaphene	µg/L	3	Final	EPA, 1993
2,4,5-TP (Silvex)	µg/L	50	Final	EPA, 1993
1,2,4-Trichlorobenzene	µg/L	70	Final	EPA, 1993
1,1,1-Trichloroethane	µg/L	200	Final	EPA, 1993
1,1,2-Trichloroethane	µg/L	5	Final	EPA, 1993
Trichloroethylene	µg/L	5	Final	EPA, 1993
Tritium	pCi/mL	2E+01	Final	EPA, 1993
Xylenes	µg/L	10,000	Final	EPA, 1993

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

^a At present, EMS does not perform this analysis because the constituent is not in the current contract.

^b The standard given is for gross alpha including radium-226 but excluding radon and uranium.

^c For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

References Cited

EPA (U.S. Environmental Protection Agency), 1977. **National Interim Primary Drinking Water Regulations**, EPA-570/9-76-003. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1993. *National Primary Drinking Water Regulations, Code of Federal Regulations*, Section 40, Part 141, pp. 592-732. Washington, DC.

SCDHEC (South Carolina Department of Health and Environmental Control), 1981. **State Primary Drinking Water Regulations**, R.61-58.5. Columbia, SC.

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Appendix B

Flagging Criteria

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Flagging Criteria

The Savannah River Site Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) flagging criteria are as follows:

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

The following parameters are exceptions to the flagging rules:

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

<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source ^a</u>
Acenaphthene	µg/L	50	100	EPA Method 8270
Acenaphthylene	µg/L	50	100	EPA Method 8270
Acetone	µg/L	500	1,000	EPA Method 8240
Acetonitrile (Methyl cyanide)	µg/L	500	1,000	EPA Method 8240
Acetophenone	µg/L	50	100	EPA Method 8270
2-Acetylaminofluorene	µg/L	50	100	EPA Method 8270
Acrolein	µg/L	100	200	EPA Method 8240
Acrylonitrile	µg/L	100	200	EPA Method 8240
Actinium-228	pCi/L	1.64E+03	3.27E+03	Proposed PDWS (EPA, 1991)
Alachlor	µg/L	1	2	Final PDWS (EPA, 1993a)
Aldicarb ^b	µg/L	1.5	3	Final PDWS (EPA, 1993a)
Aldicarb sulfone ^b	µg/L	1	2	Final PDWS (EPA, 1993a)
Aldicarb sulfoxide ^b	µg/L	2	4	Final PDWS (EPA, 1993a)
Aldrin	µg/L	0.25	0.5	EPA Method 8080
Alkalinity (as CaCO ₃)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)
Americium-241	pCi/L	3.17E+00	6.34E+00	Proposed PDWS (EPA, 1991)
Americium-243	pCi/L	3.19E+00	6.37E+00	Proposed PDWS (EPA, 1991)
4-Aminobiphenyl	µg/L	50	100	EPA Method 8270
Ammonia	µg/L	500	1,000	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1

Analyte	Unit	Flag 1	Flag 2	Source ^a
Aniline	µg/L	50	100	EPA Method 8270
Anthracene	µg/L	50	100	EPA Method 8270
Antimony	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony, dissolved	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony, total recoverable	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony-125	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Aramite	µg/L	50	100	EPA Method 8270
Arsenic	µg/L	25	50	Final PDWS (EPA, 1993a)
Arsenic, dissolved	µg/L	25	50	Final PDWS (EPA, 1993a)
Arsenic, total recoverable	µg/L	25	50	Final PDWS (EPA, 1993a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final PDWS (EPA, 1993a)
Atrazine	µg/L	1.5	3	Final PDWS (EPA, 1993a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium, dissolved	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium, total recoverable	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium-140 ^c	pCi/L	4.5E+01	9E+01	Interim Final PDWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final PDWS (EPA, 1993a)
alpha-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
Benzidine	µg/L	250	500	EPA Method 8270
Benzo[a]anthracene	µg/L	0.05	0.1	Proposed PDWS (EPA, 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzoic acid	µg/L	250	500	EPA Method 8270
Benzo[g,h,i]perylene	µg/L	50	100	EPA Method 8270
Benzo[a]pyrene	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	50	100	EPA Method 8270
Beryllium	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium, dissolved	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium, total recoverable	µg/L	2	4	Final PDWS (EPA, 1993a)
Beryllium-7	pCi/L	3E+03	6E+03	Interim Final PDWS (EPA, 1977)
Bis(2-chloroethoxy) methane	µg/L	50	100	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	50	100	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3	6	Final PDWS (EPA, 1993a)
Bismuth-214	pCi/L	9.4E+03	1.89E+04	Proposed PDWS (EPA, 1991)
Boron	µg/L	150	300	EPA Method 6010
Boron, dissolved	µg/L	150	300	EPA Method 6010
Boron, total recoverable	µg/L	150	300	EPA Method 6010
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromodichloromethane	µg/L	50	100	Final PDWS (EPA, 1993a)
Bromoform	µg/L	50	100	Final PDWS (EPA, 1993a)
Bromomethane (Methyl bromide)	µg/L	5	10	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	50	100	EPA Method 8270
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final PDWS (EPA, 1993a)
Cadmium	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cadmium, dissolved	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cadmium, total recoverable	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Calcium		No flag	No flag	Set by EPD/EMS
Calcium, dissolved		No flag	No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	No flag	Set by EPD/EMS
Carbofuran	µg/L	20	40	Final PDWS (EPA, 1993a)

Analyte	Unit	Flag 1	Flag 2	Source ^a
Carbon-14	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Carbon disulfide	µg/L	5	10	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Cerium-141 ^c	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Cerium-144	pCi/L	1.31E+02	2.61E+02	Proposed PDWS (EPA, 1991)
Cesium-134 ^d	pCi/L	4.07E+01	8.13E+01	Proposed PDWS (EPA, 1991)
Cesium-137	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Chlordane	µg/L	1	2	Final PDWS (EPA, 1993a)
Chloride	µg/L	125,000	250,000	SDWS (EPA, 1993b)
4-Chloroaniline	µg/L	50	100	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final PDWS (EPA, 1993a)
Chlorobenzilate	µg/L	50	100	EPA Method 8270
4-Chloro-m-cresol	µg/L	50	100	EPA Method 8270
Chloroethane	µg/L	5	10	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final PDWS (EPA, 1993a)
Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
Chloroform	µg/L	50	100	Final PDWS (EPA, 1993a)
Chloromethane (Methyl chloride)	µg/L	5	10	EPA Method 8240
2-Chloronaphthalene	µg/L	50	100	EPA Method 8240
2-Chlorophenol	µg/L	50	100	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	50	100	EPA Method 8270
Chloroprene	µg/L	1,000	2,000	EPA Method 8240
Chromium	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium, dissolved	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium, total recoverable	µg/L	50	100	Final PDWS (EPA, 1993a)
Chromium-51 ^c	pCi/L	3E+03	6E+03	Interim Final PDWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Cobalt	µg/L	20	40	EPA Method 6010
Cobalt, dissolved	µg/L	20	40	EPA Method 6010
Cobalt, total recoverable	µg/L	20	40	EPA Method 6010
Cobalt-57	pCi/L	5E+02	1E+03	Interim Final PDWS (EPA, 1977)
Cobalt-58 ^d	pCi/L	4.5E+03	9E+03	Interim Final PDWS (EPA, 1977)
Cobalt-60	pCi/L	5E+01	1E+02	Interim Final PDWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, dissolved	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	50	100	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	50	100	EPA Method 8270
Curium-242	pCi/L	6.65E+01	1.33E+02	Proposed PDWS (EPA, 1991)
Curium-243	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA, 1991)
Curium-243/244 ^c	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA, 1991)
Curium-244	pCi/L	4.92E+00	9.84E+00	Proposed PDWS (EPA, 1991)
Curium-245/246 ^c	pCi/L	3.12E+00	6.23E+00	Proposed PDWS (EPA, 1991)
Curium-246	pCi/L	3.14E+00	6.27E+00	Proposed PDWS (EPA, 1991)
Cyanide	µg/L	100	200	Final PDWS (EPA, 1993a)
Dalapon ^b	µg/L	100	200	Final PDWS (EPA, 1993a)
p,p'-DDD	µg/L	0.5	1	EPA Method 8080
p,p'-DDE	µg/L	0.5	1	EPA Method 8080
p,p'-DDT	µg/L	0.5	1	EPA Method 8080
Diallate	µg/L	50	100	EPA Method 8270
Dibenz[a,h]anthracene	µg/L	0.15	0.3	Proposed PDWS (EPA, 1990)
Dibenzofuran	µg/L	50	100	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final PDWS (EPA, 1993a)

<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source</u> ^a
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final PDWS (EPA, 1993a)
Dibromomethane (Methylene bromide)	µg/L	5	10	EPA Method 8240
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
1,2-Dichlorobenzene	µg/L	300	600	Final PDWS (EPA, 1993a)
1,3-Dichlorobenzene	µg/L	50	100	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final PDWS (EPA, 1993a)
3,3'-Dichlorobenzidine	µg/L	50	100	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	150	300	EPA Method 8240
Dichlorodifluoromethane	µg/L	5	10	EPA Method 8240
1,1-Dichloroethane	µg/L	5	10	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
1,1-Dichloroethylene	µg/L	3.5	7	Final PDWS (EPA, 1993a)
1,2-Dichloroethylene	µg/L	25	50	Final PDWS (EPA, 1993a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final PDWS (EPA, 1993a)
trans-1,2-Dichloroethylene	µg/L	50	100	Final PDWS (EPA, 1993a)
Dichloromethane (Methylene chloride)	µg/L	2.5	5	Final PDWS (EPA, 1993a)
2,4-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,6-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final PDWS (EPA, 1993a)
1,2-Dichloropropane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
cis-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
Dieldrin	µg/L	2.5	5	EPA Method 8080
Di(2-ethylhexyl) adipate	µg/L	200	400	Final PDWS (EPA, 1993a)
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Dimethoate	µg/L	50	100	EPA Method 8270
p-Dimethylaminoazobenzene	µg/L	50	100	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[a]anthracene	µg/L	50	100	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	50	100	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	50	100	EPA Method 8270
2,4-Dimethyl phenol	µg/L	50	100	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
1,3-Dinitrobenzene	µg/L	50	100	EPA Method 8270
2,4-Dinitrophenol	µg/L	250	500	EPA Method 8270
2,4-Dinitrotoluene	µg/L	50	100	EPA Method 8270
2,6-Dinitrotoluene	µg/L	50	100	EPA Method 8270
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
1,4-Dioxane	µg/L	50	100	EPA Method 8270
Diphenylamine	µg/L	50	100	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	50	100	EPA Method 8270
Diquat dibromide ^b	µg/L	10	20	Final PDWS (EPA, 1993a)
Dissolved organic carbon	µg/L	5,000	10,000	EPA Method 9060
Disulfoton	µg/L	50	100	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
Endosulfan I	µg/L	0.5	1	EPA Method 8080
Endosulfan II	µg/L	0.5	1	EPA Method 8080
Endosulfan sulfate	µg/L	0.5	1	EPA Method 8080
Endothall ^b	µg/L	50	100	Final PDWS (EPA, 1993a)
Endrin	µg/L	1	2	Final PDWS (EPA, 1993a)
Endrin aldehyde	µg/L	0.5	1	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethylbenzene	µg/L	350	700	Final PDWS (EPA, 1993a)
Ethyl methacrylate	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source ^a
Ethyl methanesulfonate	µg/L	50	100	EPA Method 8270
Europium-152	pCi/L	3E+01	6E+01	Interim Final PDWS (EPA, 1977)
Europium-154	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Europium-155	pCi/L	3E+02	6E+02	Interim Final PDWS (EPA, 1977)
Famphur	µg/L	50	100	EPA Method 8270
Fluoranthene	µg/L	50	100	EPA Method 8270
Fluorene	µg/L	50	100	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final PDWS (EPA, 1993a)
Glyphosate ^b	µg/L	350	700	Final PDWS (EPA, 1993a)
Gross alpha	pCi/L	7.5E+00	1.5E+01	Final PDWS (EPA, 1993a)
Heptachlor	µg/L	0.2	0.4	Final PDWS (EPA, 1993a)
Heptachlor epoxide	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.00325	0.0065	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.00325	0.0065	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Final PDWS (EPA, 1993a)
Hexachlorobutadiene	µg/L	50	100	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final PDWS (EPA, 1993a)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280.
1,2,3,4,7,8-HXCDD	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,2,3,4,7,8-HXCDF	µg/L	0.002	0.004	EPA Method 8280
Hexachloroethane	µg/L	50	100	EPA Method 8270
Hexachlorophene	µg/L	250	500	EPA Method 8270
Hexachloropropene	µg/L	50	100	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3-c,d]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	pCi/L	5E-01	1E+00	Interim Final PDWS (EPA, 1977)
Iodine-131 ^c	pCi/L	1.5E+00	3E+00	Interim Final PDWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	75	150	EPA Method 8240
Iron	µg/L	150	300	SDWS (EPA, 1993b)
Iron, dissolved	µg/L	150	300	SDWS (EPA, 1993b)
Iron, total recoverable	µg/L	150	300	SDWS (EPA, 1993b)
Iron-55 ^c	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA, 1977)
Iron-59 ^c	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Isobutyl alcohol	µg/L	500	1,000	EPA Method 8240
Isodrin	µg/L	50	100	EPA Method 8270
Isophorone	µg/L	50	100	EPA Method 8270
Isosafrole	µg/L	50	100	EPA Method 8270
Kepone	µg/L	50	100	EPA Method 8270
Lanthanum-140 ^c	pCi/L	3E+01	6E+01	Interim Final PDWS (EPA, 1977)
Lead	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, dissolved	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead-212	pCi/L	6.2E+01	1.23E+02	Proposed PDWS (EPA, 1991)
Lindane	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
Lithium	µg/L	25	50	EPA Method 6010
Lithium, dissolved	µg/L	25	50	EPA Method 6010
Lithium, total recoverable	µg/L	25	50	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Magnesium, dissolved		No flag	No flag	Set by EPD/EMS
Magnesium, total recoverable		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source ^a
Manganese	µg/L	25	50	SDWS (EPA, 1993b)
Manganese, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Manganese, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)
Manganese-54	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Mercury	µg/L	1	2	Final PDWS (EPA, 1993a)
Mercury, dissolved	µg/L	1	2	Final PDWS (EPA, 1993a)
Mercury, total recoverable	µg/L	1	2	Final PDWS (EPA, 1993a)
Methacrylonitrile	µg/L	250	500	EPA Method 8240
Methapyrilene	µg/L	50	100	EPA Method 8270
Methoxychlor	µg/L	20	40	Final PDWS (EPA, 1993a)
3-Methylcholanthrene	µg/L	50	100	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	250	500	EPA Method 8270
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	50	100	EPA Method 8270
Methyl methanesulfonate	µg/L	50	100	EPA Method 8270
2-Methylnaphthalene	µg/L	50	100	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Molybdenum, dissolved	µg/L	250	500	EPA Method 6010
Molybdenum, total recoverable	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	50	100	EPA Method 8270
1,4-Naphthoquinone	µg/L	50	100	EPA Method 8270
1-Naphthylamine	µg/L	50	100	EPA Method 8270
2-Naphthylamine	µg/L	50	100	EPA Method 8270
Neptunium-237	pCi/L	3.53E+00	7.06E+00	Proposed PDWS (EPA, 1991)
Nickel	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel, dissolved	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel, total recoverable	µg/L	50	100	Final PDWS (EPA, 1993a)
Nickel-59 °	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Nickel-63 °	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Niobium-95 °	pCi/L	1.5E+02	3.E+02	Interim Final PDWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)
Nitrite as nitrogen	µg/L	500	1,000	Final PDWS (EPA, 1993a)
m-Nitroaniline	µg/L	50	100	EPA Method 8270
o-Nitroaniline	µg/L	50	100	EPA Method 8270
p-Nitroaniline	µg/L	50	100	EPA Method 8270
Nitrobenzene	µg/L	50	100	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	50	100	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodimethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodipropylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomorpholine	µg/L	50	100	EPA Method 8270
N-Nitrosopiperidine	µg/L	50	100	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	50	100	EPA Method 8270
5-Nitro-o-toluidine	µg/L	50	100	EPA Method 8270
Nonvolatile beta	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.005	0.01	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.005	0.01	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS

<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source ^a</u>
Oil & Grease	µg/L	5,000	10,000	EPA Method 413.1
Oxamyl ^b	µg/L	100	200	Final PDWS (EPA, 1993a)
Parathion	µg/L	0.25	0.5	EPA Method 8080
Parathion methyl	µg/L	0.25	0.5	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1221	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1232	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1242	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1248	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1254	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1260	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
PCB 1262	µg/L	0.25	0.5	Final PDWS (EPA, 1993a)
Pentachlorobenzene	µg/L	50	100	EPA Method 8270
Pentachlorodibenzo-p-dioxin isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.00275	0.0055	EPA Method 8280
Pentachlorodibenzo-p-furan isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.00275	0.0055	EPA Method 8280
Pentachloroethane	µg/L	50	100	EPA Method 8270
Pentachloronitrobenzene	µg/L	50	100	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1	Final PDWS (EPA, 1993a)
pH	pH	8	10	Set by EPD/EMS
pH	pH	4	3	Set by EPD/EMS
Phenacetin	µg/L	50	100	EPA Method 8270
Phenanthrene	µg/L	50	100	EPA Method 8270
Phenol	µg/L	50	100	EPA Method 8270
Phenols	µg/L	25	50	EPA Method 420.1
p-Phenylenediamine	µg/L	50	100	EPA Method 8270
Phorate	µg/L	0.5	1	EPA Method 8080
Picloram ^b	µg/L	250	500	Final PDWS (EPA, 1993a)
2-Picoline	µg/L	50	100	EPA Method 8270
Plutonium-238	pCi/L	3.51E+00	7.02E+00	Proposed PDWS (EPA, 1991)
Plutonium-239	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA, 1991)
Plutonium-239/240 ^c	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA, 1991)
Plutonium-240	pCi/L	3.11E+01	6.22E+01	Proposed PDWS (EPA, 1991)
Plutonium-241 ^c	pCi/L	3.13E+01	6.26E+01	Proposed PDWS (EPA, 1991)
Plutonium-242 ^c	pCi/L	3.27E+01	6.54E+01	Proposed PDWS (EPA, 1991)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium, dissolved		No flag	No flag	Set by EPD/EMS
Potassium, total recoverable		No flag	No flag	Set by EPD/EMS
Potassium-40	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA, 1986)
Promethium-144	pCi/L	5E+01	1E+02	EPA Method 901.1
Promethium-146	pCi/L	5E+01	1E+02	EPA Method 901.1
Promethium-147	pCi/L	2.62E+03	5.24E+03	Proposed PDWS (EPA, 1991)
Pronamid	µg/L	50	100	EPA Method 8270
Propionitrile	µg/L	1,000	2,000	EPA Method 8240
Pyrene	µg/L	50	100	EPA Method 8270
Pyridine	µg/L	50	100	EPA Method 8270
Radium (alpha-emitting) ^f	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radium-226	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radium-228	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radon-222	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA, 1991)
Ruthenium-103 ^c	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Ruthenium-106	pCi/L	1.5E+01	3E+01	Interim Final PDWS (EPA, 1977)
Safrole	µg/L	50	100	EPA Method 8270
Selenium	µg/L	25	50	Final PDWS (EPA, 1993a)
Selenium, dissolved	µg/L	25	50	Final PDWS (EPA, 1993a)
Selenium, total recoverable	µg/L	25	50	Final PDWS (EPA, 1993a)

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

Analyte	Unit	Flag 1	Flag 2	Source ^a
Tributyl phosphate	µg/L	50	100	EPA Method 8270
1,2,4-Trichlorobenzene	µg/L	35	70	Final PDWS (EPA, 1993a)
1,1,1-Trichloroethane	µg/L	100	200	Final PDWS (EPA, 1993a)
1,1,2-Trichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Trichloroethylene	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Trichlorofluoromethane	µg/L	5	10	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	2.5	5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	5	10	EPA Method 8240
O,O,O-Triethyl phosphorothioate	µg/L	50	100	EPA Method 8270
1,3,5-Trinitrobenzene	µg/L	50	100	EPA Method 8270
Tritium	pCi/mL	1E+01	2E+01	Final PDWS (EPA, 1993a)
Turbidity ^g		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium, dissolved	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium, total recoverable	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium alpha activity	pCi/L	1.5E+01	3E+01	Proposed PDWS (EPA, 1991)
Uranium-233/234 ^e	pCi/L	6.9E+00	1.38E+01	Proposed PDWS (EPA, 1991)
Uranium-234	pCi/L	6.95E+00	1.39E+01	Proposed PDWS (EPA, 1991)
Uranium-235	pCi/L	7.25E+00	1.45E+01	Proposed PDWS (EPA, 1991)
Uranium-238	pCi/L	7.3E+00	1.46E+01	Proposed PDWS (EPA, 1991)
Vanadium	µg/L	40	80	EPA Method 6010
Vanadium, dissolved	µg/L	40	80	EPA Method 6010
Vanadium, total recoverable	µg/L	40	80	EPA Method 6010
Vinyl acetate	µg/L	5	10	EPA Method 8240
Xylenes	µg/L	5,000	10,000	Final PDWS (EPA, 1993a)
Yttrium-88	pCi/L	5E+01	1E+02	EPA Method 901.1
Zinc	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc, dissolved	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc, total recoverable	µg/L	2,500	5,000	SDWS (EPA, 1993b)
Zinc-65	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Zirconium-95 ^e	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Zirconium/Niobium-95 ^e	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)

^a References for methods are in Appendix E; references for dated sources are at the end of this appendix.

^b EMS is currently unable to perform this analysis.

^c EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS Groundwater Monitoring Program.

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

^e For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

^f The applied standard is for radium-226.

^g 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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- SCDHEC (South Carolina Department of Health and Environmental Control), 1981. **State Primary Drinking Water Regulations**, R.61-58.5. Columbia, SC.

Appendix C

Figures

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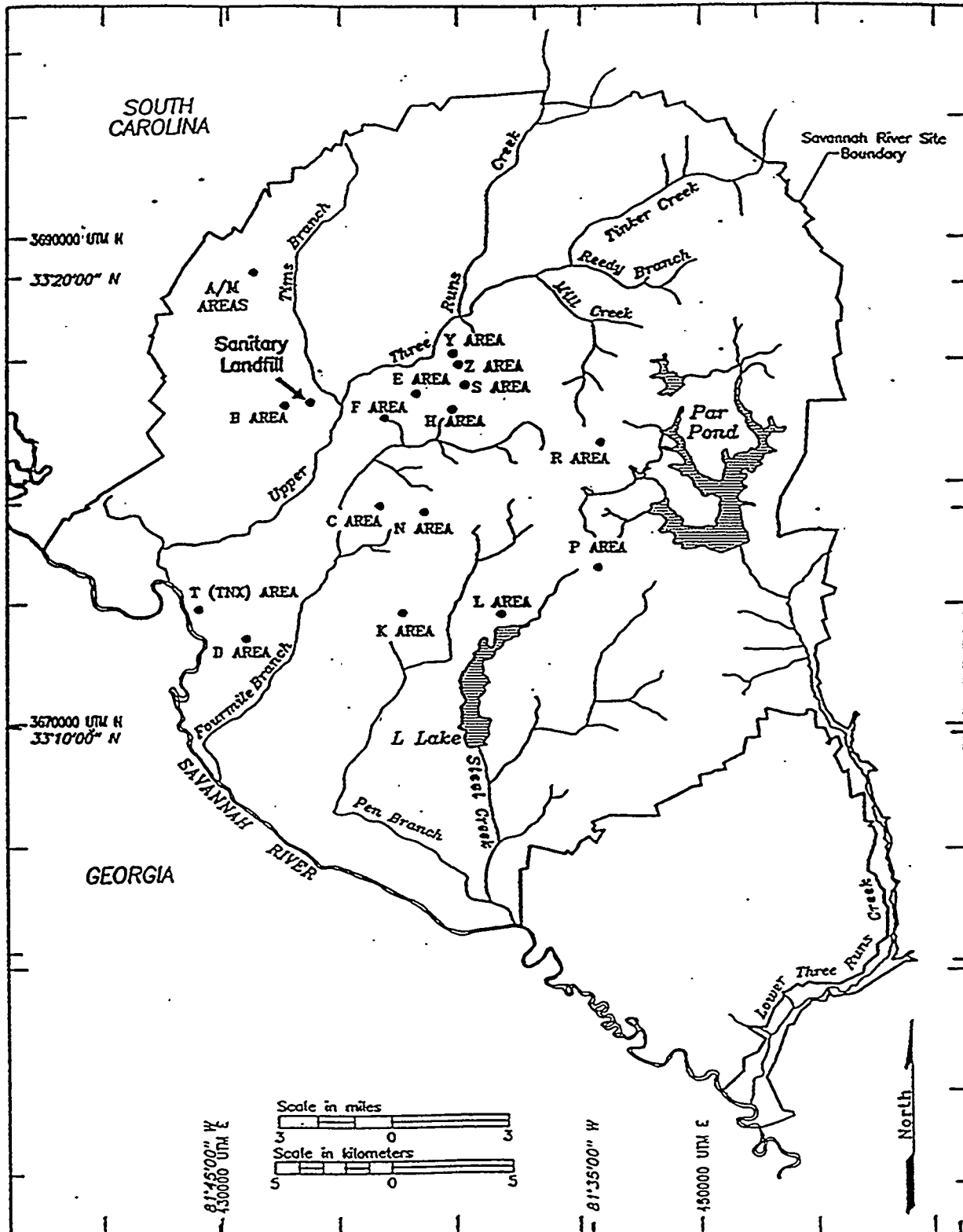


Figure 1. Location of the Sanitary Landfill at the Savannah River Site

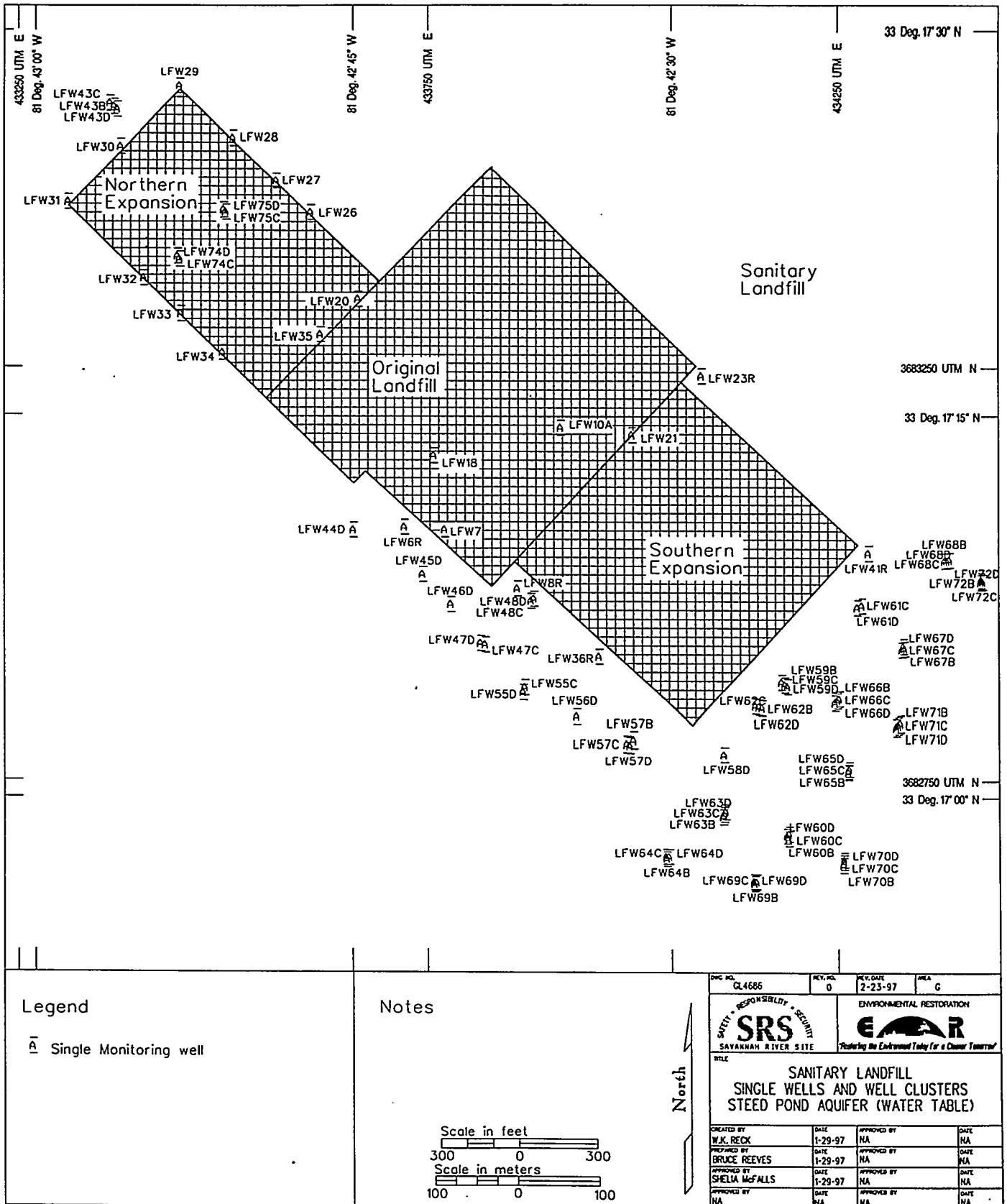


Figure 2. Boundaries of the Original Sanitary Landfill and Expansions and Location of Monitoring Wells at the Sanitary Landfill

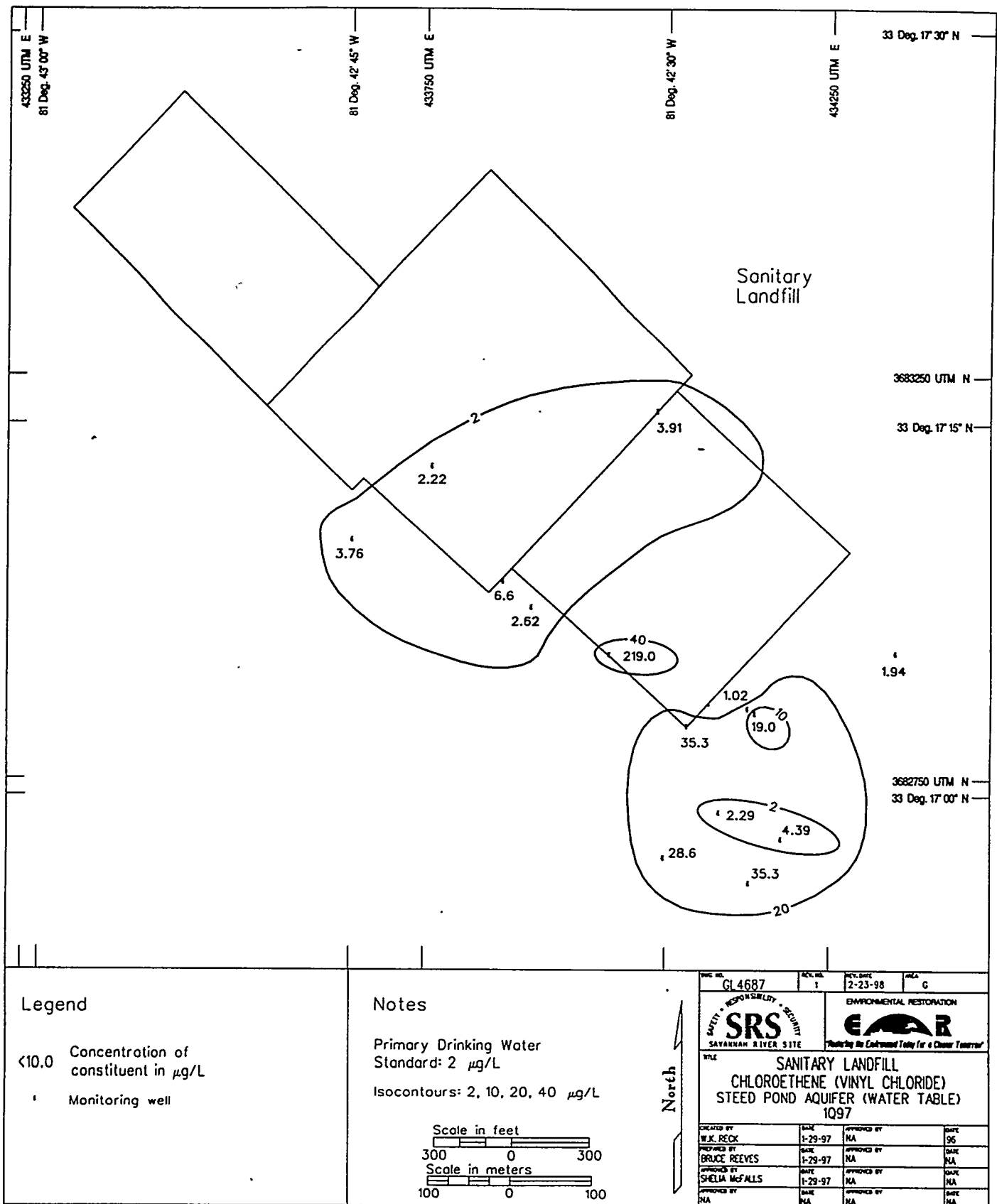


Figure 3. Chloroethene (Vinyl Chloride) Concentrations at the Sanitary Landfill, First Quarter 1997

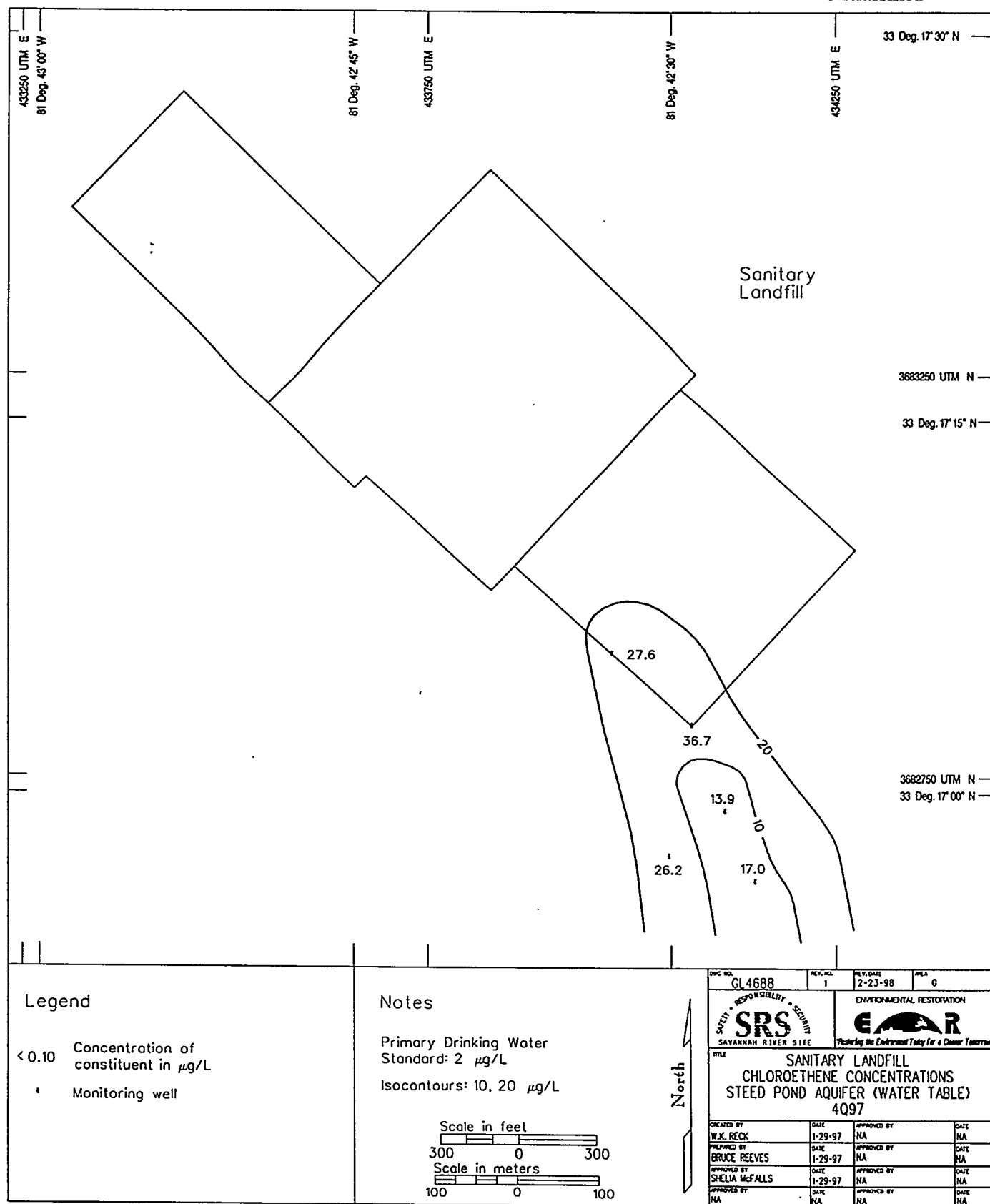


Figure 4. Chloroethene (Vinyl Chloride) Concentrations at the Sanitary Landfill, Fourth Quarter 1997

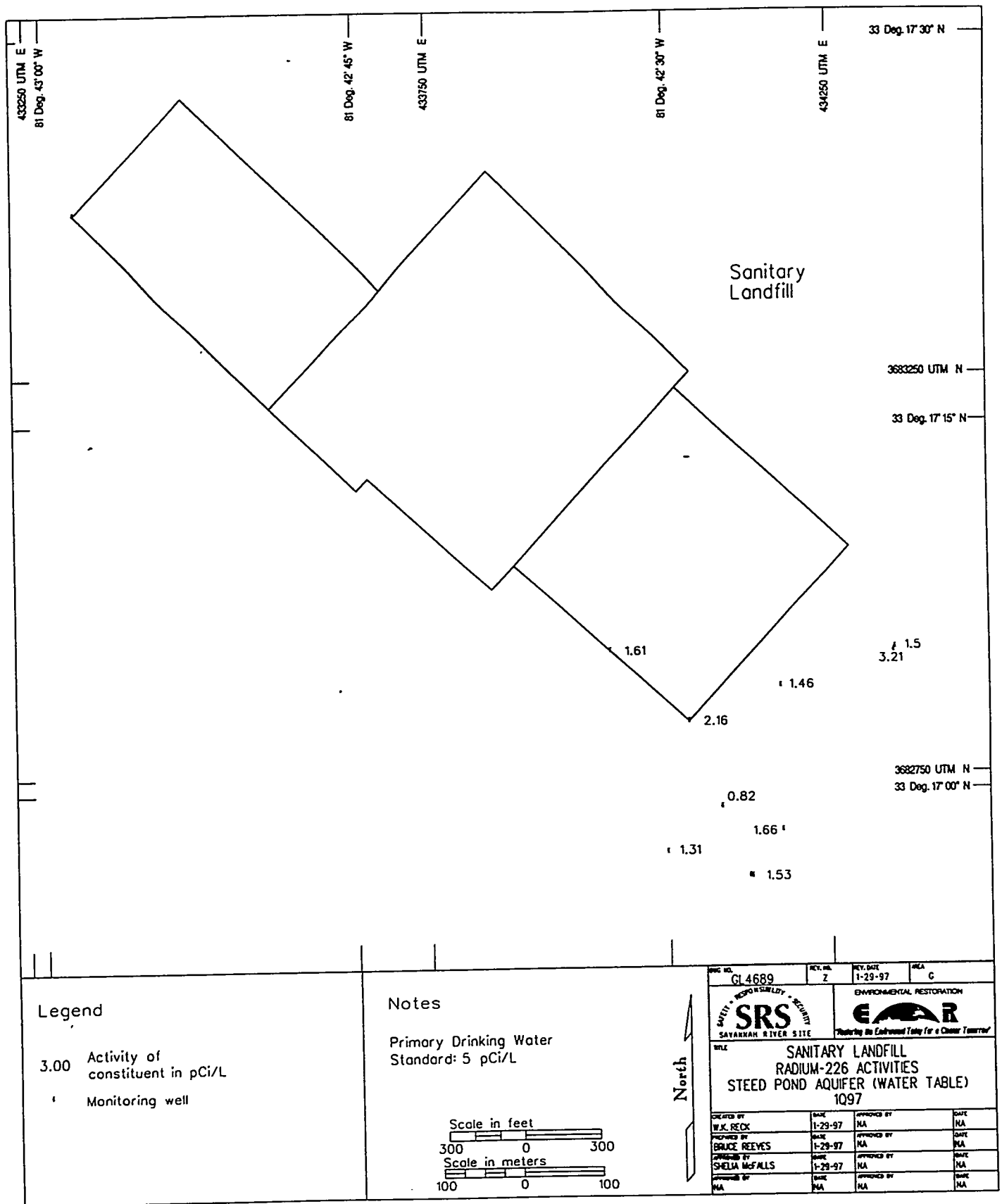


Figure 5. Radium-226 Activities at the Sanitary Landfill, First Quarter 1997

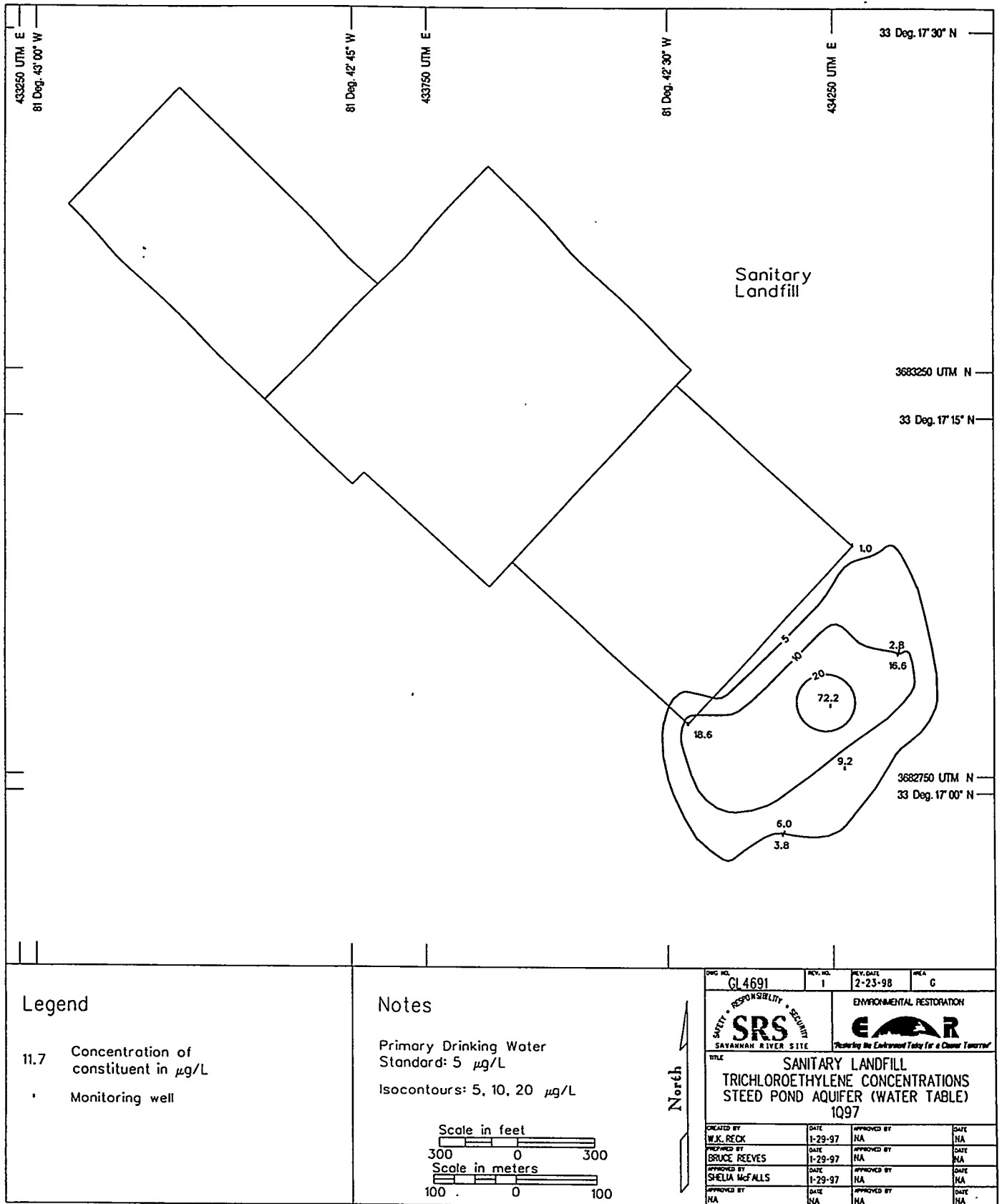


Figure 6. Trichloroethylene Concentrations at the Sanitary Landfill, First Quarter 1997

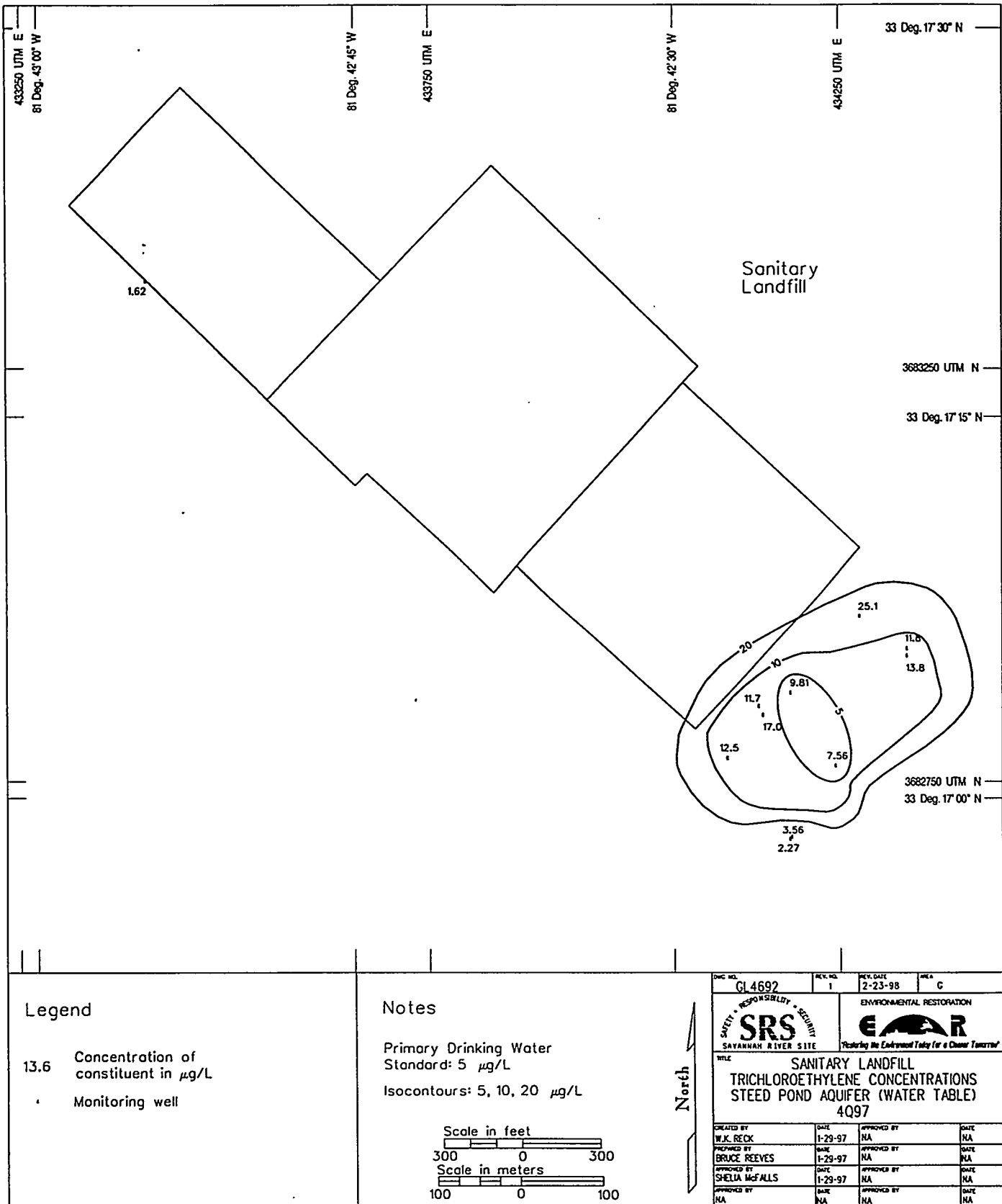


Figure 7. Trichloroethylene Concentrations at the Sanitary Landfill, Fourth Quarter 1997

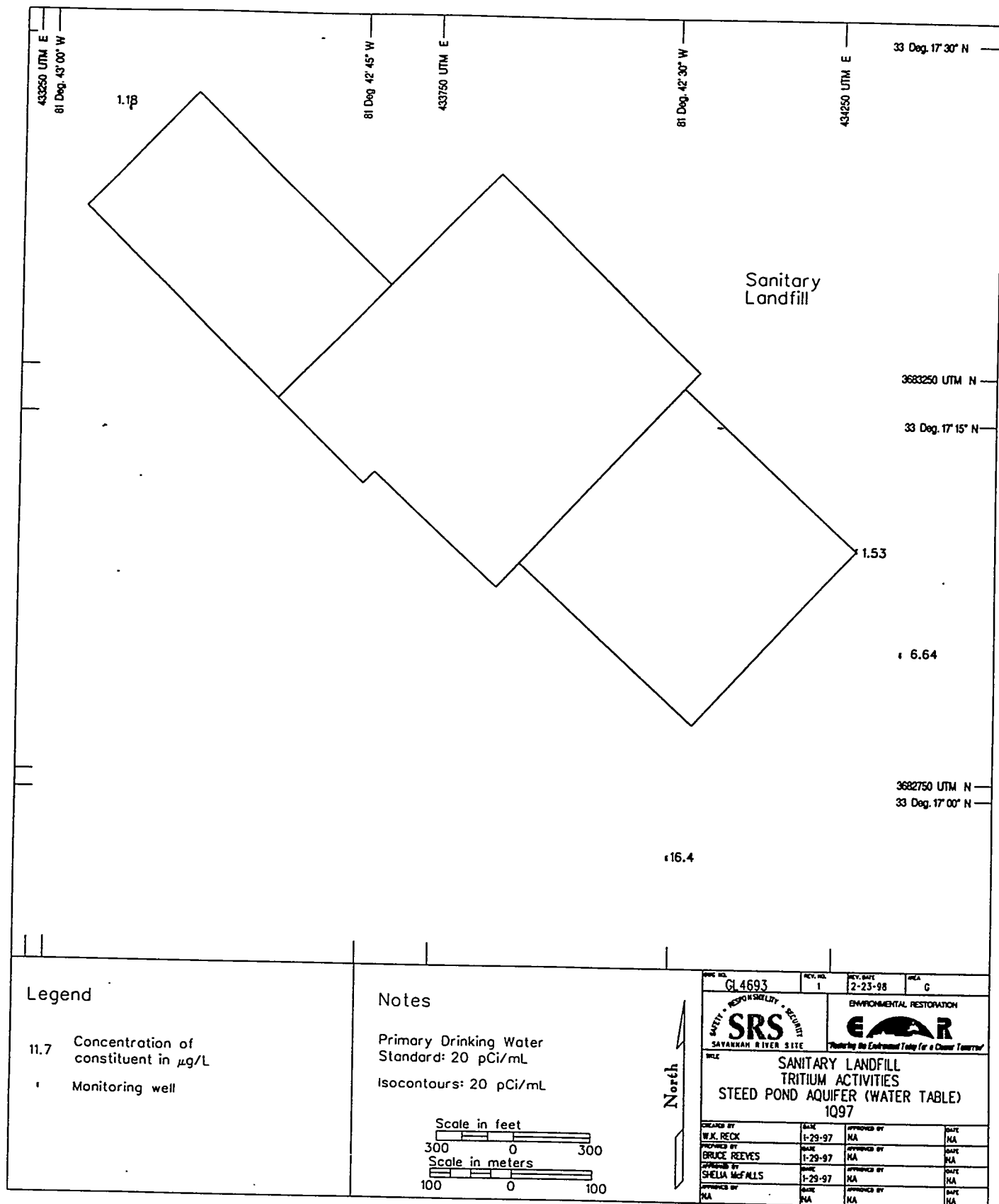


Figure 8. Tritium Activities at the Sanitary Landfill, First Quarter 1997

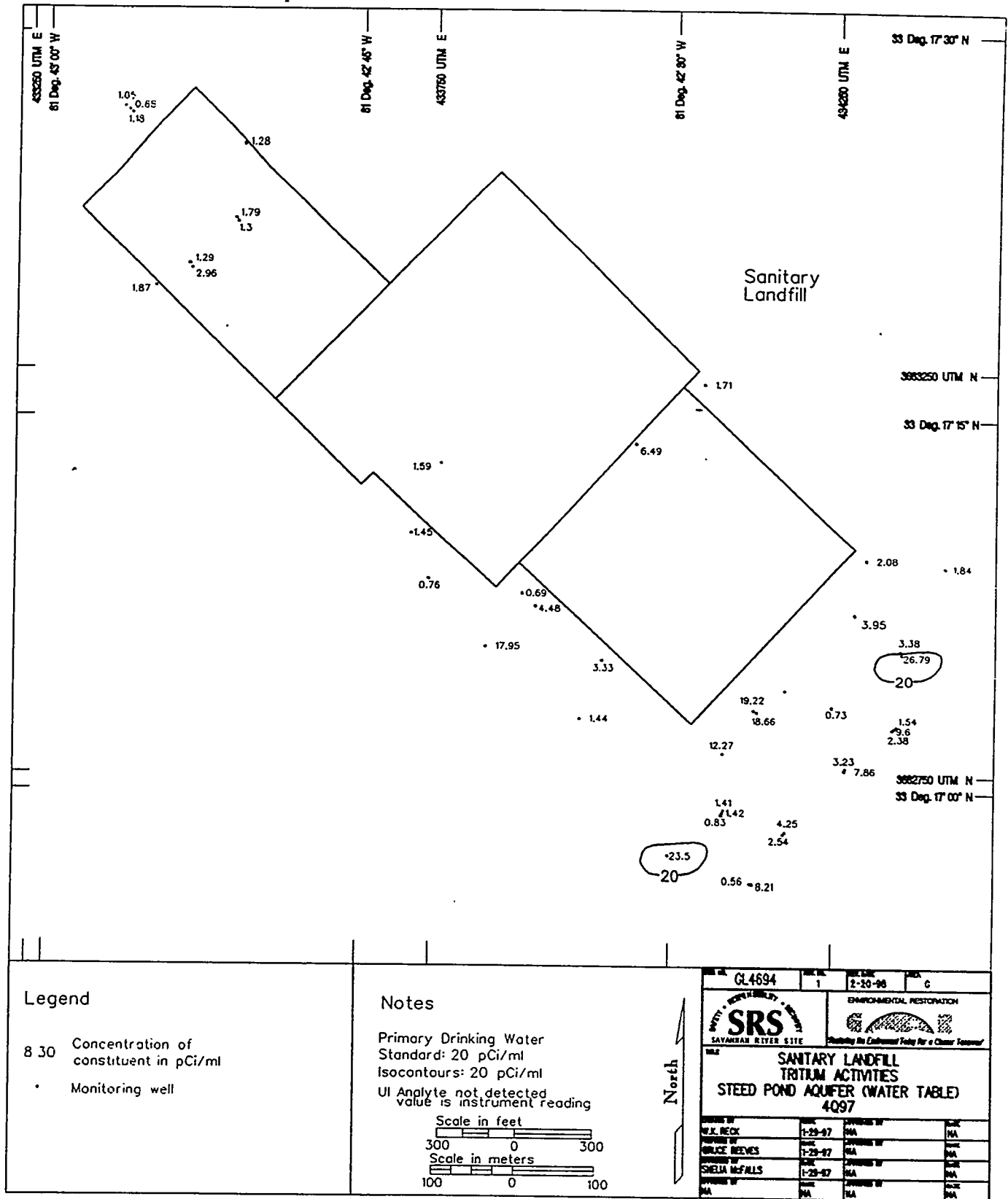


Figure 9. Tritium Activities at the Sanitary Landfill, Fourth Quarter 1997

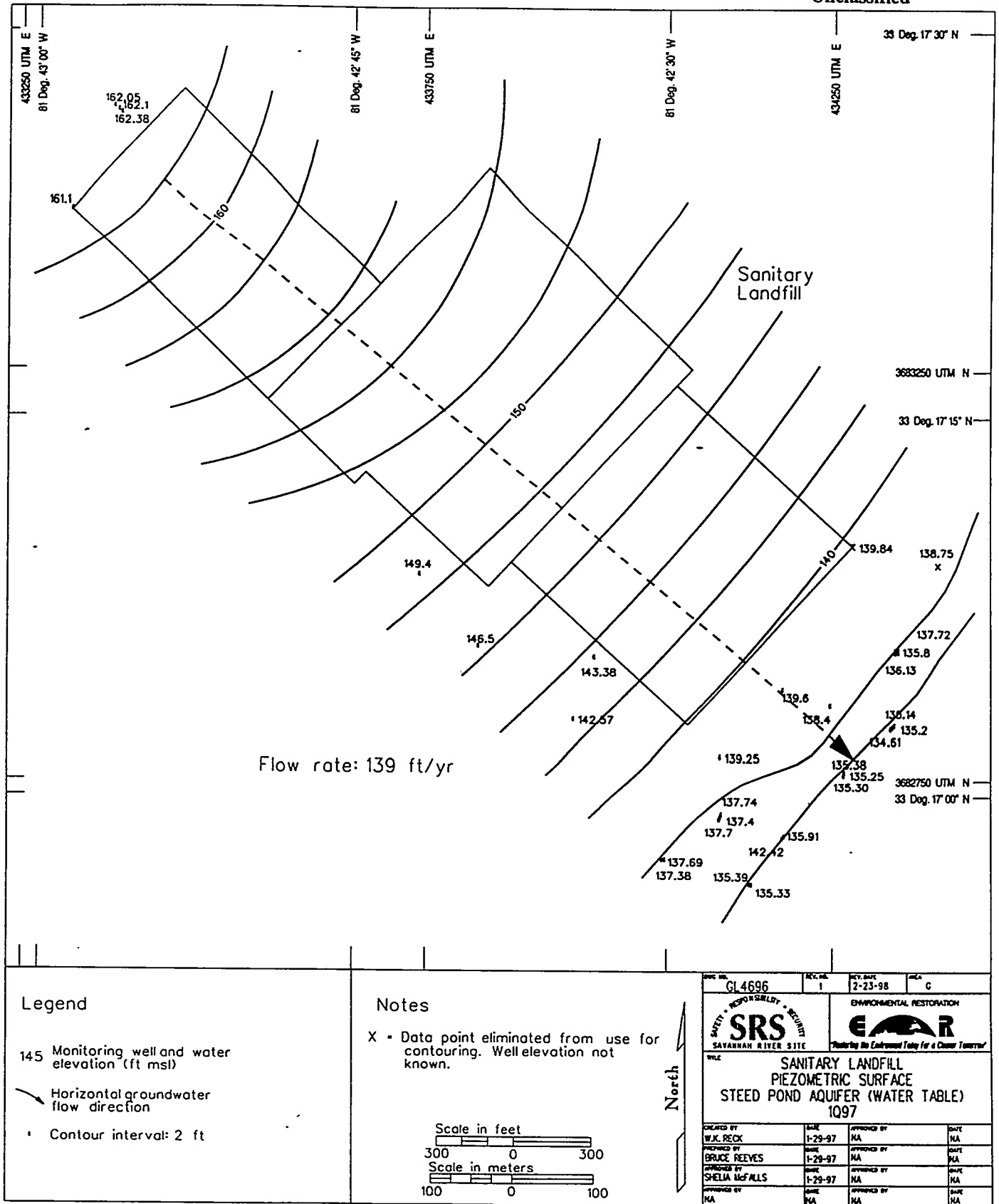


Figure 10. Piezometric Surface of the Steed Pond Aquifer (Water Table) at the Sanitary Landfill, First Quarter 1997

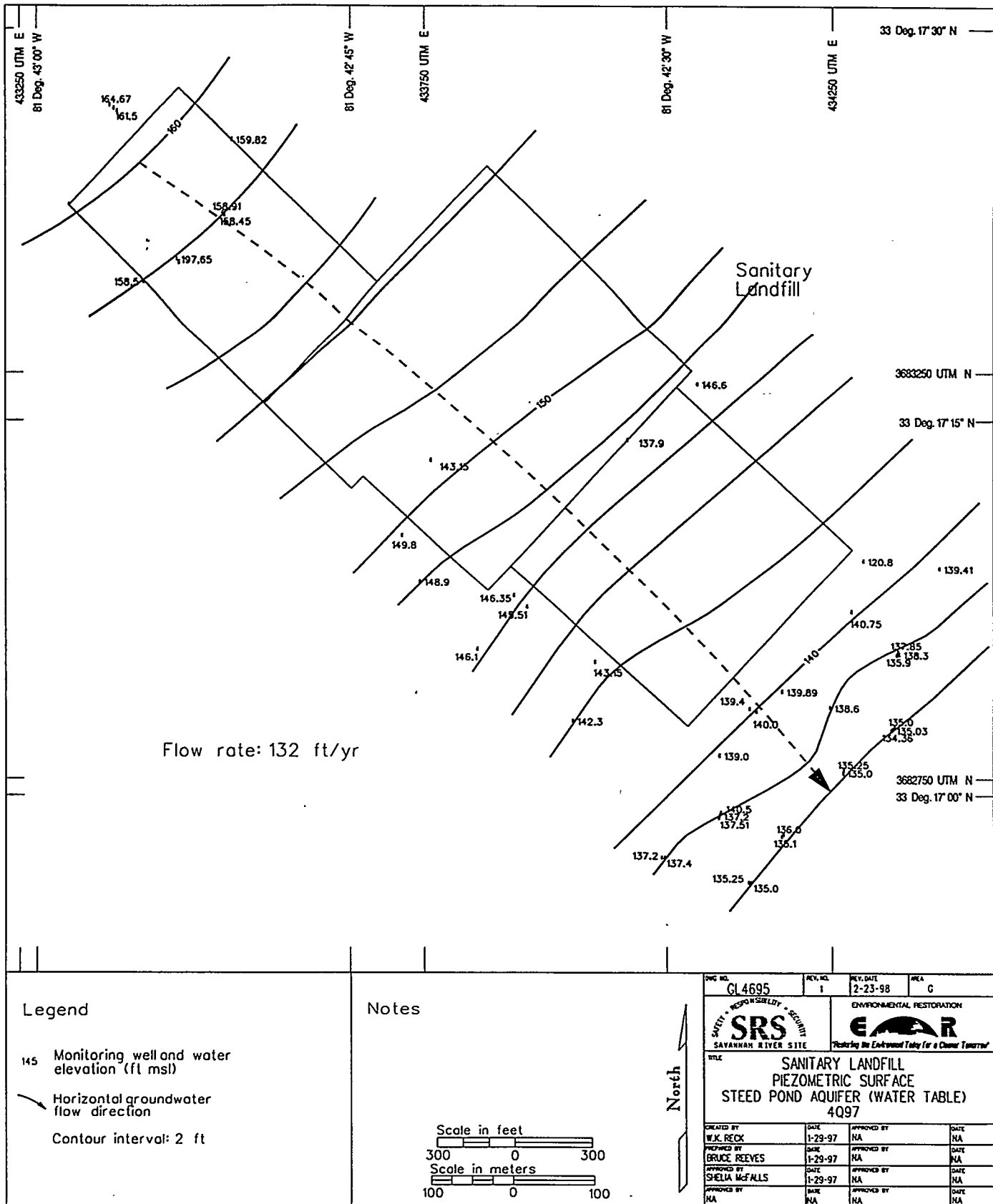


Figure 11. Piezometric Surface Map of the Steed Pond Aquifer (Water Table) at the Sanitary Landfill, Fourth Quarter 1997

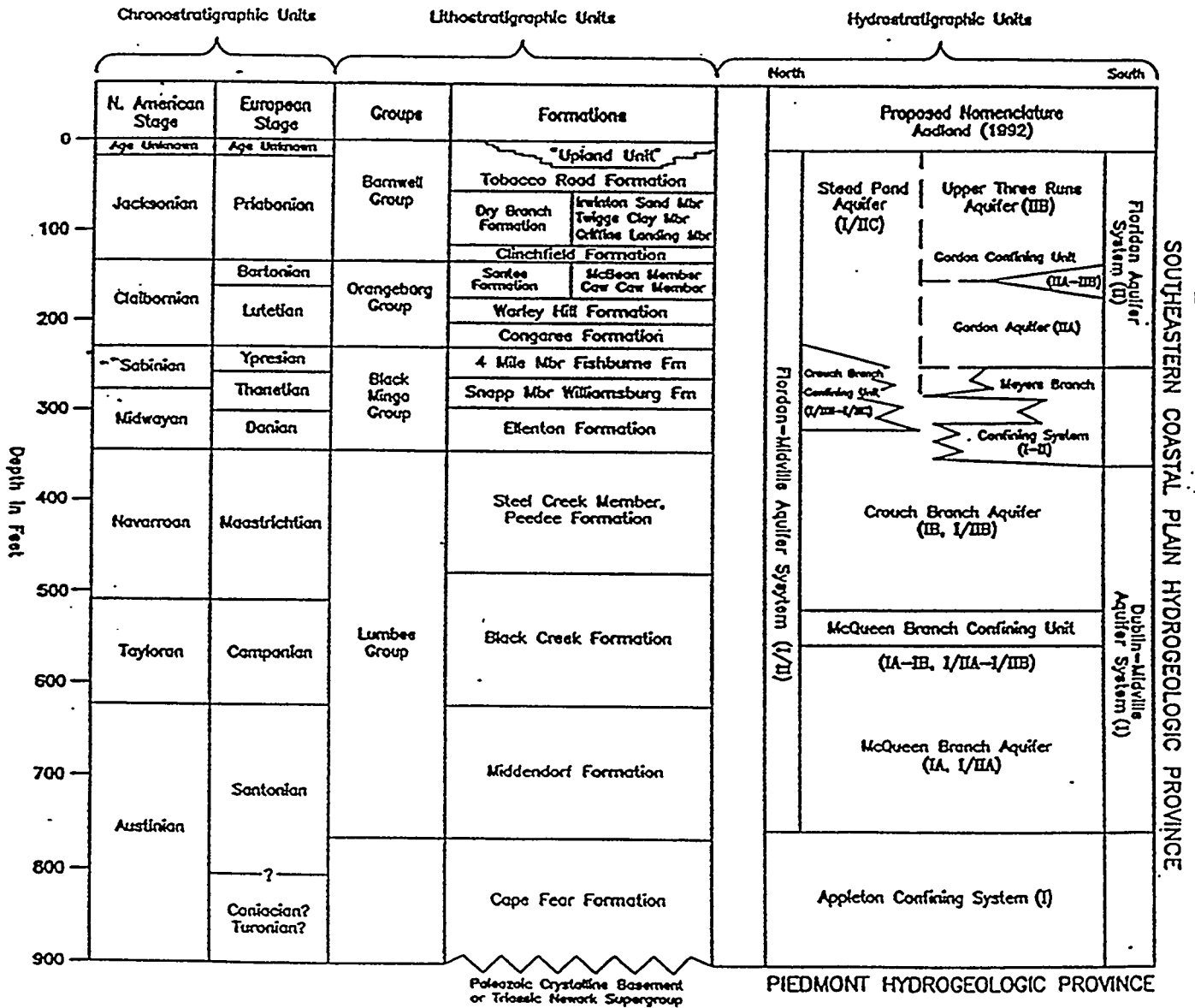


Figure 12. Regional Correlation of Hydrostratigraphic and Lithographic Nomenclature

References Cited

Lewis, S. E., and R. K. Aadland, 1992. **Hydrogeologic Setting of A/M Area: Framework for Groundwater Transport (U)**, WSRC-TR-92-355. Westinghouse Savannah River Company, Savannah River Site, Aiken, SC.

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Appendix D

Groundwater Monitoring Results Tables

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Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

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

Laboratories

CN	Clemson Technical Center, Inc.
EM	Environmental Protection Department/ Environmental Monitoring Section (EPD/EMS) Laboratory
GE and GP	General Engineering Laboratories
SC	Savannah River Technology Center
SP	Spencer Testing Services, Inc.
TM	TMA/Eberline
WA and WS	Roy F. Weston, Inc.

Sampling Codes

B	blank sample was collected
C	well was pumping continuously
D	well was dry
E	equipment blank was collected
I	well went dry during sampling; insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe; for water level events only

Sampling Codes (cont'd)

X	well went dry during purging; samples collected after well recovered

Sampling Methods

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

Units

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

Other

CS	carbon steel
D	primary drinking water standard (PDWS) column in data tables
GS	groundwater protection standard column in data tables
H	holding time column in data tables
Mod	modifier column in data tables
PDWS	primary drinking water standard
PVC	polyvinyl chloride
TOC	top of casing

Holding Times

Standard analytical methods include a limit, called holding time, on the maximum elapsed time between sample collection and extraction or analysis by the laboratory. In the data tables, a 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 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 but are not marked in the *D* (exceeded the final PDWS or screening level) column are below the final PDWS in the database. Values stored in the database contain more significant digits than the reported results. Apparent discrepancies in the tables are due to the rounding of reported results.

Data Qualification

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 quality assurance/quality control information either at the same time as analytical results or in a quarterly summary. Properly defined and used result modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Result modifiers designed by the Environmental Protection Department/Environmental Monitoring Section 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.

Result Modifier

(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
A	Value reported is the mean of two or more determinations.
I	The value in the result field is the instrument reading, not the sample quantification limit. Always used with the result qualifier <i>U</i> .
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.
U	Material analyzed for but not detected. Analytical result reported is less than the sample quantitation limit.
V	Analyte was detected in 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.
3	The associated result may be of poor precision (high variability) due to analytical bias.
4	Result is associated with QA results indicating matrix interference.
6	The associated result is from a reanalysis performed out of holding time due to problems with an earlier analysis.

Table 1. Maximum Levels of Constituents Exceeding the Final Primary Drinking Water Standards

Steed Pond Aquifer (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Units</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Modifiers</u>
LFW6R	Chloroethene (Vinyl chloride)	µg/L	NA ^b	--- ^a	--- ^a	3.72	J
	Lead, total	µg/L	NA ^b	--- ^a	--- ^a	55.1	
LFW8R	Chloroethene (Vinyl chloride)	µg/L	NA ^b	16.9	21.1	6.6	J
LFW18	Chloroethene (Vinyl chloride)	µg/L	NA ^b	NA ^b	10.2	2.22	J
LFW21	Chloroethene (Vinyl chloride)	µg/L	NA ^b	NA ^b	8.08	3.91	J
LFW36R	1,4-Dichlorobenzene	µg/L	--- ^a	NA ^b	--- ^a	131	
LFW36R	Chloroethene (Vinyl chloride)	µg/L	27.6	30.9	23.5	219	
LFW48C	Mercury, total	µg/L	NA ^b	--- ^a	--- ^a	2.27	
LFW58D	1,4-Dichlorobenzene	µg/L	94	NA ^b	144	84.4	
LFW58D	Benzene	µg/L	9.6	10.6	8.36	7.94	
LFW58D	Chloroethene (Vinyl chloride)	µg/L	36.7	55.7	45.5	35.3	
LFW58D	Trichloroethylene	µg/L	18.6	16.6	12.8	12.5	
LFW59D	Dichloromethane (Methylene chloride)	µg/L	24.3	--- ^a	--- ^a	--- ^a	
LFW59D	Tetrachloroethylene	µg/L	34.2	19	13.5	8.46	
LFW59D	Trichloroethylene	µg/L	72.2	30	26.4	9.81	
LFW60C	Chloroethene (Vinyl chloride)	µg/L	--- ^a	9.15	5.37	4.39	J
LFW60C	Trichloroethylene	µg/L	--- ^a	6.26	--- ^a	--- ^a	
LFW60D	Mercury, total	µg/L	--- ^a	--- ^a	--- ^a	2.04	
LFW60D	Trichloroethylene	µg/L	6	6.21	--- ^a	--- ^a	
LFW61D	Tetrachloroethylene	µg/L	NA ^b	NA ^b	--- ^a	2	J
LFW61D	Trichloroethylene	µg/L	NA ^b	NA ^b	17.6	2	
LFW62C	Mercury, total	µg/L	NA ^b	NA ^b	17.1	6.5	
LFW62C	Trichloroethylene	µg/L	NA ^b	NA ^b	12.1	11.7	
LFW62D	1,2-Dichloroethane	µg/L	NA ^b	NA ^b	--- ^a	5.08	
LFW62D	1,4-Dichlorobenzene	µg/L	NA ^b	NA ^b	128	98	
LFW62D	Benzene	µg/L	NA ^b	NA ^b	31	22.7	
LFW62D	Chloroethene (Vinyl chloride)	µg/L	NA ^b	NA ^b	23.8	19	

<u>Well</u>	<u>Constituent</u>	<u>Units</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Modifiers</u>
LFW62D	Dichloromethane (Methylene chloride)	µg/L	NA ^b	NA ^b	--- ^a	30.1	
LFW62D	Mercury, total	µg/L	NA ^b	NA ^b	--- ^a	2.13	
LFW62D	Trichloroethylene	µg/L	NA ^b	NA ^b	26.4	17	
LFW63D	Chloroethene (Vinyl chloride)	µg/L	13.9	13.3	12.7	2.29	J
LFW64C	Gross alpha	pCi/L	--- ^a	--- ^a	--- ^a	17.32	
LFW64D	Chloroethene (Vinyl chloride)	µg/L	26.2	47.3	36	28.6	
LFW64D	Tritium	pCi/mL	--- ^a	26.5	25.56	23.5	
LFW65D	Tetrachloroethylene	µg/L	--- ^a	--- ^a	--- ^a	2.79	J
LFW65D	Trichloroethylene	µg/L	9.2	6.3	8.09	7.56	
LFW67C	1,2-Dichloropropane	µg/L	--- ^a	NA ^b	--- ^a	3.18	J
LFW67C	Benzene	µg/L	8.2	8.86	9.2	9.18	
LFW67C	Chloroethene (Vinyl chloride)	µg/L	--- ^a	3.72	2.07	--- ^a	
LFW67C	Tetrachloroethylene	µg/L	11.9	--- ^a	5.79	2.56	J
LFW67C	Trichloroethylene	µg/L	16.6	18.8	16.4	13.8	
LFW67C	Tritium	pCi/mL	--- ^a	23.8	21.77	26.79	
LFW67D	Trichloroethylene	µg/L	--- ^a	10	6.67	11.8	
LFW68D	Mercury, total	µg/L	2.24	--- ^a	--- ^a	--- ^a	
LFW69D	Chloroethene (Vinyl chloride)	µg/L	17	36.5	26.7	35.3	

Notes: The groundwater samples are unfiltered. Therefore, the results for metals are for total recoverable metals. The modifier column applies to fourth quarter 1997 data only.

---^a = analyzed but not above final PDWS

NA^b = not analyzed

Table 2. Maximum Levels of Constituents Exceeding Other Flag 2 Criteria

Steed Pond Aquifer (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Units</u>	<u>Result</u>	<u>Modifiers</u>
LFW21	1,1-Dichloroethane	µg/L	49.5	
LFW32	1,1-Dichloroethane	µg/L	5.2	
LFW32	Trichlorofluoromethane	µg/L	282	
LFW36R	1,1-Dichloroethane	µg/L	71.8	
LFW58D	1,1-Dichloromethane	µg/L	107	
LFW58D	Dichlorodifluoromethane	µg/L	23.1	
LFW58D	Trichlorofluoromethane	µg/L	39.3	
LFW59D	1,1-Dichloroethane	µg/L	43.9	
LFW59D	Dichlorodifluoromethane	µg/L	13.1	
LFW60C	1,1-Dichloroethane	µg/L	17	
LFW60C	Trichlorofluoromethane	µg/L	14.3	
LFW61D	1,1-Dichloroethane	µg/L	80.4	
LFW61D	Dichlorodifluoromethane	µg/L	39.1	
LFW61D	Trichlorofluoromethane	µg/L	2	
LFW62C	1,1-Dichloroethane	µg/L	49.1	
LFW62C	Dichlorodifluoromethane	µg/L	14.6	
LFW62D	1,1-Dichloroethane	µg/L	110	
LFW62D	Carbon disulfide	µg/L	25.1	
LFW62D	Trichlorofluoromethane	µg/L	45.6	
LFW63D	Dichlorodifluoromethane	µg/L	26.5	
LFW63D	Trichlorofluoromethane	µg/L	31.7	
LFW64D	1,1-Dichloroethane	µg/L	7.25	
LFW65D	1,1-Dichloroethane	µg/L	19	
LFW65D	Trichlorofluoromethane	µg/L	21.1	
LFW67C	1,1-Dichloroethane	µg/L	156	
LFW67C	Dichlorodifluoromethane	µg/L	12.2	
LFW67C	Trichlorofluoromethane	µg/L	12.8	
LFW67D	1,1-Dichloroethane	µg/L	40.2	
LFW67D	Dichlorodifluoromethane	µg/L	29.3	
LFW67D	Trichlorofluoromethane	µg/L	41.3	
LFW69D	1,1-Dichloroethane	µg/L	16.2	

Table 3. Groundwater Monitoring Results for Individual Wells

WELL: LFW 6R

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 84413.9	33.286 Deg N	154.5 - 134.5 ft msl	170.5 ft msl	2" PVC	V	U Steed Pond
E 45194.0	81.712 Deg W					

SAMPLE DATE	03/05/97	06/10/97	09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		151.03	150.15	149.8	ft msl
Depth to water		17.17	18.05	18.4	ft
pH		4.2	4	4.2	pH
Sp. Conductance		24	30	40	uS/cm
Water temperature		24	28	20	deg. C
Alkalinity as CaCO ₃		0	0	0	mg/L
Turbidity		.5	1.8	2.7	NTU
Volumes purged		7.7717	10.191	3.8110	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane		<5	<5	<5	1	U	ug/L	0	WA
1,4-Dichlorobenzene		<5	<5	2.13	1	J	ug/L	0	WA
2-Hexanone		<10	<10	<10	1	U	ug/L	0	WA
Acetone		<10	<10	<10	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)		<20	<20	<20	1	U	ug/L	0	WA
Acrolein		<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile		<5	<5	<5	1	U	ug/L	0	WA
Allyl chloride		<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable		<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable				14.6	1		ug/L	0	WA
Barium, total recoverable		10.3	11.5	14.8	1		ug/L	0	WA
Benzene		<5	<5	<5	1	U	ug/L	0	WA
Bromodichloromethane		<5	<5	<5	1	U	ug/L	0	WA
Bromoform		<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)		<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable		<4.7	<4.7	<4.7	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 6R
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon disulfide		<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride		<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene		<5	<5	1.05	1	J	ug/L	0	WA
		Chloroethane		<10	<10	4.68	1	J	ug/L	0	WA
+		Chloroethene (Vinyl chloride)		<10	1.52	3.76	1	J	ug/L	2	WA
		Chloroform		<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)		<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene		<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable				7.5	1		ug/L	0	WA
		Chromium, total recoverable		.8	<7	8.1	1		ug/L	0	WA
		Dibromochloromethane		<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)		<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane		<10	<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<2.38	<2.15	<1.42	1	U	ug/L	0	WA
		Ethylbenzene		<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha			2.12	6.06	1		pCi/L	0	TM
		Gross alpha		1.81	2.67	7.63	1		pCi/L	1	TM
		Iodomethane (Methyl iodide)		<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol		<100	<100	<100	1	U	ug/L	0	WA
+		Lead, total recoverable				54.9	1		ug/L	2	WA
+		Lead, total recoverable		<47	11.4	55.1	1		ug/L	2	WA
		Mercury, total recoverable		<.7	<.7	.542	1	J	ug/L	0	WA
		Methacrylonitrile		<10	<10	<10	1	U	ug/L	0	WA
		Methyl ethyl ketone		<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone		<10	<10	<10	1	U	ug/L	0	WA
		Propionitrile		<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable		<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable				<.67	1	U	ug/L	0	WA
		Silver, total recoverable		<5	<5	<.97	1	U	ug/L	0	WA
		Styrene		<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		Toluene		<5	<5	<5	1	U	ug/L	0	WA
		Trichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane		<5	<5	<5	1	U	ug/L	0	WA
		Tritium			2.75	1.22	1		pCi/ml	0	TM
		Tritium		1.64	1.38	1.45	1		pCi/ml	0	TM
		Vinyl acetate		<10	<10	<10	1	U	ug/L	0	WA
		Xylenes		<5	<5	<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 8R

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 83949.0	33.286 Deg N	155.1 - 135.1 ft msl	170.8 ft msl	2" PVC	V	U Steed Pond
E 45414.6	81.710 Deg W					

SAMPLE DATE	03/05/97	06/10/97	09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		147.4	146.5	146.35	ft msl
Depth to water		21.3	22.2	22.35	ft
pH		6.4	6	6.2	pH
Sp. Conductance		220	240	260	uS/cm
Water temperature		24	26	22	deg. C
Alkalinity as CaCO3		120	140	82	mg/L
Turbidity		2.6	2.2	1.8	NTU
Volumes purged		5.0813	14.453	9.5917	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane		1.86	1.85	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane		<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane		<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane		<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane		<5	<5	<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene		6.23	7.54	2.45	1	J	ug/L	0	WA
		2-Hexanone		<10	<10	<10	1	U	ug/L	0	WA
		Acetone		<10	<3.25	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)		<20	<20	<20	1	U	ug/L	0	WA
		Acrolein		<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile		<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride		<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable		13.7	17.6	.91	1	J	ug/L	0	WA
		Barium, total recoverable		12.7	13.6	12.9	1		ug/L	0	WA
		Benzene		<5	<5	<5	1	U	ug/L	0	WA
		Bromodichloromethane		<5	<5	<5	1	U	ug/L	0	WA
		Bromoform		<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)		<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable		<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide		<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 8R

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon tetrachloride		<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene		3.8	3.18	2.1	1	J	ug/L	0	WA
		Chloroethane		<10	<10	1.39	1	J	ug/L	0	WA
+		Chloroethene (Vinyl chloride)		16.9	21.1	6.6	1	J	ug/L	2	WA
		Chloroform		<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)		<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene		<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable		<7	<7	<7	1	U	ug/L	0	WA
		Dibromochloromethane		<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)		<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane		<10	<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<1.71	<2.22	<1.34	1	U	ug/L	0	WA
		Ethylbenzene		<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha		4.65	4.17	11.9	1		pCi/L	1	TM
		Iodomethane (Methyl iodide)		<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol		<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable		<47	<47	4.7	1	J	ug/L	0	WA
		Mercury, total recoverable		<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile		<10	<10	<10	1	U	ug/L	0	WA
		Methyl ethyl ketone		<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone		<10	<10	<10	1	U	ug/L	0	WA
		Propionitrile		<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable		<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable		<5	<5	<5	1	U	ug/L	0	WA
		Styrene		<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		Toluene		<5	<5	<5	1	U	ug/L	0	WA
		Trichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane		<5	<5	<5	1	U	ug/L	0	WA
		Tritium		1.58	2.23	.69	1	J	pCi/ml	0	TM
		Vinyl acetate		<10	<10	<10	1	U	ug/L	0	WA
		Xylenes		<5	<5	<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 18

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 84577.3	33.287 Deg N	160.1 - 130.1 ft msl	175.0 ft msl	4" PVC	S	U Steed Pond
E 45459.4	81.711 Deg W					

SAMPLE DATE 06/24/97 09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation			143.45	143.15	ft msl
Depth to water			30.65	30.95	ft
pH			6.2	5.4	pH
Sp. Conductance			140	90	uS/cm
Water temperature			28	20	deg. C
Alkalinity as CaCO3			20	19	mg/L
Turbidity			4.8	1.6	NTU
Volumes purged			3.5302	3.2783	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane			<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane			1.56	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane			1.66				ug/L		
		1,1-Dichloroethylene			<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane			<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane			<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane			<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethane			<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane			<5	<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene			7.65	4.91	1	J	ug/L	0	WA
		1,4-Dichlorobenzene			8.09				ug/L		
		2-Hexanone			<10	<10	1	U	ug/L	0	WA
		Acetone			<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)			<20	<20	1	U	ug/L	0	WA
		Acrolein			<20	<20	1	U	ug/L	0	WA
		Acrylonitrile			<5	<5	1	U	ug/L	0	WA
		Allyl chloride			<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable			17.6	16.3	1	J	ug/L	0	WA
		Barium, total recoverable			4.7	2.7	1		ug/L	0	WA
		Benzene			<5	<5	1	U	ug/L	0	WA
		Bromodichloromethane			<5	<5	1	U	ug/L	0	WA
		Bromoform			<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)			<10	<10	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 18
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Cadmium, total recoverable			<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide			<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride			<5	<5	1	U	ug/L	0	WA
		Chlorobenzene			2.83	1.04	1	J	ug/L	0	WA
		Chlorobenzene			2.64				ug/L		
		Chloroethane			<10	<10	1	U	ug/L	0	WA
+		Chloroethene (Vinyl chloride)			8.92	2.22	1	J	ug/L	2	WA
		Chloroethene (Vinyl chloride)			10.2				ug/L		
		Chloroform			<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)			<10	<10	1	U	ug/L	0	WA
		Chloroprene			<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable			3.6	<2	1	U	ug/L	0	WA
		Dibromochloromethane			<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)			<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane			<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)			<4.89	<2.11	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)			<4.29				ug/L		
		Ethylbenzene			<5	<5	1	U	ug/L	0	WA
		Gross alpha			2.99	1.68	1	J	pCi/L	0	TM
		Gross alpha			<.55				pCi/L		
		Iodomethane (Methyl iodide)			<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol			<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable			32.5	13.5	1	J	ug/L	0	WA
		Mercury, total recoverable			<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile			<10	<10	1	U	ug/L	0	WA
		Methyl ethyl ketone			<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone			<10	<10	1	U	ug/L	0	WA
		Propionitrile			<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable			<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable			<5	6	1		ug/L	0	WA
		Styrene			<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene			<5	<5	1	U	ug/L	0	WA
		Toluene			<5	<5	1	U	ug/L	0	WA
		Trichloroethylene			<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane			<5	<5	1	U	ug/L	0	WA
		Tritium			2.12	1.59	1		pCi/ml	0	TM
		Tritium			2.18				pCi/ml		
		Vinyl acetate			<10	<10	1	U	ug/L	0	WA
		Xylenes			<5	<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene			<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene			<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene			<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene			<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 21

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 84178.3	33.287 Deg N	158.9 - 128.9 ft msl	175.6 ft msl	4" PVC	S	U Steed Pond
E 46149.4	81.709 Deg W					

SAMPLE DATE

06/24/97

09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation			137.9	137.9	ft msl
Depth to water			36	36	ft
pH			6.6	6.6	pH
Sp. Conductance			280	300	uS/cm
Water temperature			28	20	deg. C
Alkalinity as CaCO3			100	89	mg/L
Turbidity			3.5	3.5	NTU
Volumes purged			4.9863	4.2740	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane			<5	<5	1	U	ug/L	0	WA
+		1,1-Dichloroethane				46.1	1		ug/L	2	WA
+		1,1-Dichloroethane			59.3	47.7	1		ug/L	2	WA
+		1,1-Dichloroethane			59.1	49.5	1		ug/L	2	WA
		1,1-Dichloroethylene			<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane			<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane			<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane			<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethane			<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane				.983	1	J	ug/L	0	WA
		1,2-Dichloropropane			1.46	1.01	1	J	ug/L	0	WA
		1,2-Dichloropropane			1.49	<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene				25.1	1		ug/L	0	WA
		1,4-Dichlorobenzene			25.9	25.5	1		ug/L	0	WA
		1,4-Dichlorobenzene			26.6	26.4	1		ug/L	0	WA
		2-Hexanone			<10	<10	1	U	ug/L	0	WA
		Acetone			<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)			<20	<20	1	U	ug/L	0	WA
		Acrolein			<20	<20	1	U	ug/L	0	WA
		Acrylonitrile			<5	<5	1	U	ug/L	0	WA
		Allyl chloride			<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable			11.6	11.8	1	J	ug/L	0	WA
		Barium, total recoverable			5.4	4.9	1		ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 21
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Benzene				2.96	1	J	ug/L	1	WA
		Benzene			4.55	2.99	1	J	ug/L	1	WA
		Bromodichloromethane			<5	<5	1	U	ug/L	0	WA
		Bromoform			<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)			<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable			<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide			<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride			<5	<5	1	U	ug/L	0	WA
		Chlorobenzene				1.74	1	J	ug/L	0	WA
		Chlorobenzene			2.12	1.79	1	J	ug/L	0	WA
		Chloroethane			<10	<10	1	U	ug/L	0	WA
+		Chloroethene (Vinyl chloride)				3.72	1	J	ug/L	2	WA
+		Chloroethene (Vinyl chloride)			7.25	3.83	1	J	ug/L	2	WA
+		Chloroethene (Vinyl chloride)			8.08	3.91	1	J	ug/L	2	WA
		Chloroform			<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)			<10	<10	1	U	ug/L	0	WA
		Chloroprene			<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable			.97	<1.8	1	U	ug/L	0	WA
		Dibromochloromethane			<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)			<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane			<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)				<1.31	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)			<6.7	<1.62	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)			<5.51	<1.86	1	U	ug/L	0	WA
		Ethylbenzene				27.5	1		ug/L	0	WA
		Ethylbenzene			29.6	28.3	1		ug/L	0	WA
		Ethylbenzene			28.9	28.5	1		ug/L	0	WA
		Gross alpha			4.86	3.53	1		pCi/L	0	TM
		Iodomethane (Methyl iodide)			<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol			<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable			4.7	<47	1	U	ug/L	0	WA
		Mercury, total recoverable			<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile			<10	<10	1	U	ug/L	0	WA
		Methyl ethyl ketone			<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone			<10	<10	1	U	ug/L	0	WA
		Propionitrile			<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable			<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable			<5	<5	1	U	ug/L	0	WA
		Styrene			<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene			<5	<5	1	U	ug/L	0	WA
		Toluene				14.7	1		ug/L	0	WA
		Toluene			23.9	16	1		ug/L	0	WA
		Trichloroethylene			<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 21

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichlorofluoromethane			<5	<5	1	U	ug/L	0	WA
		Tritium			7.97	6.49	1		pCi/ml	0	TM
		Vinyl acetate			<10	<10	1	U	ug/L	0	WA
		Xylenes				67.1	1		ug/L	0	WA
		Xylenes			78	68.5	1		ug/L	0	WA
		Xylenes			79.1	70.1	1		ug/L	0	WA
		cis-1,3-Dichloropropene			<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene				2.37	1	J	ug/L	0	WA
		trans-1,2-Dichloroethylene			9.68	2.42	1	J	ug/L	0	WA
		trans-1,2-Dichloroethylene			8.21	2.59	1	J	ug/L	0	WA
		trans-1,3-Dichloropropene			<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene			<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 23R

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 84206.1	33.288 Deg N	138.4 - 118.4 ft msl	170.5 ft msl	2" PVC	V	U Steed Pond
E 46512.9	81.708 Deg W					

SAMPLE DATE	03/04/97	06/02/97	09/05/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	140.41	146.65	146.6		ft msl
Depth to water	27.99	21.75	21.8		ft
pH	4.6	4.4	4.2		pH
Sp. Conductance	26	28	30		uS/cm
Water temperature	27	29	19		deg. C
Alkalinity as CaCO3	1	0	0		mg/L
Turbidity	.7	.2	.7		NTU
Volumes purged	2.5291	2.8127	5.2322		well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane	<5	<5	<5	1	U	ug/L	0	WA	
		1,1,1-Trichloroethane	<5	<5	<5	1	U	ug/L	0	WA	
		1,1,2,2-Tetrachloroethane	<5	<5	<5	1	U	ug/L	0	WA	
		1,1,2-Trichloroethane	<5	<5	<5	1	U	ug/L	0	WA	
		1,1-Dichloroethane	<5	<5	<5	1	U	ug/L	0	WA	
		1,1-Dichloroethylene	<5	<5	<5	1	U	ug/L	0	WA	
		1,2,3-Trichloropropane	<5	<5	<5	1	U	ug/L	0	WA	
		1,2-Dibromo-3-chloropropane	<5	<5	<5	1	U	ug/L	0	WA	
		1,2-Dibromoethane	<5	<5	<5	1	U	ug/L	0	WA	
		1,2-Dichloroethane	<5	<5	<5	1	U	ug/L	0	WA	
		1,2-Dichloropropane	<5	<5	<5	1	U	ug/L	0	WA	
		1,4-Dichlorobenzene	<5	<5	<5	1	U	ug/L	0	WA	
		2-Hexanone	<10	<10	<10	1	U	ug/L	0	WA	
		Acetone	<10	<10	<10	1	U	ug/L	0	WA	
		Acetonitrile (Methyl cyanide)	<20	<20	<20	1	U	ug/L	0	WA	
		Acrolein	<20	<20	<20	1	U	ug/L	0	WA	
		Acrylonitrile	<5	<5	<5	1	U	ug/L	0	WA	
		Allyl chloride	<10	<10	<10	1	U	ug/L	0	WA	
		Arsenic, total recoverable	<40	6.3	<40	1	U	ug/L	0	WA	
		Barium, total recoverable	9.2	8.9	9.3	1		ug/L	0	WA	
		Barium, total recoverable	9.6					ug/L			
		Benzene	<5	<5	<5	1	U	ug/L	0	WA	
		Bromodichloromethane	<5	<5	<5	1	U	ug/L	0	WA	
		Bromoform	<5	<5	<5	1	U	ug/L	0	WA	
		Bromomethane (Methyl bromide)	<10	<10	<10	1	U	ug/L	0	WA	
		Cadmium, total recoverable	<4.7	<4.7	<4.7	1	U	ug/L	0	WA	

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 23R

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<5	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<10	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<10	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<5	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<10	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<5	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	.74	1.1	<7		1	U	ug/L	0	WA
Chromium, total recoverable	1						ug/L		
Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<10	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<2.36	<6.87	<1.1	<1.1	1	U	ug/L	0	WA
Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	5.71	8.64	9.8	9.8	1		pCi/L	1	TM
Gross alpha	7.5	11.45	11.89	11.89	1		pCi/L	1	TM
Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<100	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	<47	<47	<47	<47	1	U	ug/L	0	WA
Mercury, total recoverable	<.7	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Propionitrile	<50	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	<66	<66	<66	<66	1	U	ug/L	0	WA
Silver, total recoverable	<5	<5	<5	<5	1	U	ug/L	0	WA
Styrene	<5	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<5	<5	<5	<5	1	U	ug/L	0	WA
Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	0	WA
Tritium	1.73	.73	1.44	1.44	1		pCi/ml	0	TM
Tritium	1.54	1.67	1.71	1.71	1		pCi/ml	0	TM
Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
Xylenes	<5	<5	<5	<5	1	U	ug/L	0	WA
cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	0	WA
trans-1,2-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	0	WA
trans-1,4-Dichloro-2-butene	<20	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 28

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 86079.6 E 45555.3	33.290 Deg N 81.714 Deg W	162.1 - 141.1 ft msl	192.4 ft msl	4" PVC	S	U Steed Pond

SAMPLE DATE	03/04/97	09/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		160.4		159.82	ft msl
Depth to water		29.7		30.28	ft
pH		5.2		4.8	pH
Sp. Conductance		26		32	uS/cm
Water temperature		26		21	deg. C
Alkalinity as CaCO3		2		2	mg/L
Turbidity		3.9		4.4	NTU
Volumes purged		.07057		.07252	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane		<5		<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane		<5		<5	1	U	ug/L	0	WA
		1,1-Dichloroethane		<5		<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane		<5		<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane		<5		<5	1	U	ug/L	0	WA
		1,2-Dibromoethane		<5		<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene		<5		<5	1	U	ug/L	0	WA
		1,2-Dichloroethane		<5		<5	1	U	ug/L	0	WA
		1,2-Dichloropropane		<5		<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene		<5		<5	1	U	ug/L	0	WA
		2-Hexanone		<10		<10	1	U	ug/L	0	WA
		Acetone		<6.96		<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)		<20		<20	1	U	ug/L	0	WA
		Acrolein		<20		<20	1	U	ug/L	0	WA
		Acrylonitrile		<5		<5	1	U	ug/L	0	WA
		Allyl chloride		<10		<10	1	U	ug/L	0	WA
		Antimony, total recoverable		<27		<27	1	U	ug/L	0	WA
		Arsenic, total recoverable		<40		<40	1	U	ug/L	0	WA
		Barium, total recoverable		19.6		21.9	1		ug/L	0	WA
		Benzene		<5		<5	1	U	ug/L	0	WA
		Beryllium, total recoverable		<1.6		<1.6	1	U	ug/L	0	WA
		Bromochloromethane		<5		<5	1	U	ug/L	0	WA
		Bromodichloromethane		<5		<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 28

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bromoform		<5		<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)		<10		<10	1	U	ug/L	0	WA
		Cadmium, total recoverable		<4.7		<4.7	1	U	ug/L	0	WA
		Carbon disulfide		<5		<5	1	U	ug/L	0	WA
		Carbon tetrachloride		<5		<5	1	U	ug/L	0	WA
		Chlorobenzene		<5		<5	1	U	ug/L	0	WA
		Chloroethane		<10		<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)		<10		<10	1	U	ug/L	0	WA
		Chloroform		<5		<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)		<10		<10	1	U	ug/L	0	WA
		Chloroprene		<5		<5	1	U	ug/L	0	WA
		Chromium, total recoverable		<7		<7	1	U	ug/L	0	WA
		Cobalt, total recoverable		.47		<1.1	1	U	ug/L	0	WA
		Copper, total recoverable		31		44.2	1		ug/L	0	WA
		Di-n-butyl phthalate		<1.18		<10	1	U	ug/L	0	WA
		Dibromochloromethane		<5		<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)		<5		<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane		<10		<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<6		<3.33	1	U	ug/L	0	WA
		Ethylbenzene		<5		<5	1	U	ug/L	0	WA
		Iodomethane (Methyl iodide)		<5		<5	1	U	ug/L	0	WA
		Isobutyl alcohol		<100		<100	1	U	ug/L	0	WA
		Lead, total recoverable		10.3		5.7	1	J	ug/L	0	WA
		Lindane		<.051					ug/L		
		Methacrylonitrile		<10		<10	1	U	ug/L	0	WA
		Methyl ethyl ketone		<10		<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone		<10		<10	1	U	ug/L	0	WA
		Nickel, total recoverable		<26		<26	1	U	ug/L	0	WA
		Propionitrile		<50		<50	1	U	ug/L	0	WA
		Selenium, total recoverable		<66		<66	1	U	ug/L	0	WA
		Silver, total recoverable		<5		<5	1	U	ug/L	0	WA
		Specific conductance		31.5		31.4	1		uS/cm	0	WA
		Styrene		<5		<5	1	U	ug/L	0	WA
		Tetrachloroethylene		<5		<5	1	U	ug/L	0	WA
		Thallium, total recoverable		<55		<55	1	U	ug/L	0	WA
		Toluene		<5		<5	1	U	ug/L	0	WA
		Trichloroethylene		<5		<5	1	U	ug/L	0	WA
		Trichlorofluoromethane		<5		<5	1	U	ug/L	0	WA
		Tritium		1.08					pCi/ml		
		Vanadium, total recoverable		<6.9		<6.9	1	U	ug/L	0	WA
		Vinyl acetate		<10		<10	1	U	ug/L	0	WA
		Xylenes		<5		<5	1	U	ug/L	0	WA
		Zinc, total recoverable		34.8		31	1	J	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 28

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		beta-Benzene hexachloride				<.051	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	WA
*		pH		5.49		5.52	1	J	pH	0	WA
		trans-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20		<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 31

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 86262.2 E 44869.0	33.290 Deg N 81.716 Deg W	166.0 - 145.0 ft msl	229.3 ft msl	4" PVC	S	U Steed Pond

SAMPLE DATE	12/09/96	03/04/97	06/02/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	161.1	161.13	160.58		ft msl
Depth to water	65.9	65.87	66.42		ft
pH	4	4.8	5		pH
Sp. Conductance	22	16	22		uS/cm
Water temperature	24	26	28		deg. C
Alkalinity as CaCO3	1	1	1		mg/L
Turbidity	1.6	.5	1.7		NTU
Volumes purged	4.1424	2.8122	5.9680		well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5				ug/L		
		1,1,1-Trichloroethane	<2	<5	<5				ug/L		
		1,1,2,2-Tetrachloroethane	<2	<5	<5				ug/L		
		1,1,2-Trichloroethane	<2	<5	<5				ug/L		
		1,1-Dichloroethane	<2	<5	<5				ug/L		
		1,1-Dichloroethylene	<2	<5	<5				ug/L		
		1,2,3-Trichloropropane	<2	<5	<5				ug/L		
		1,2-Dibromo-3-chloropropane	<2	<5	<5				ug/L		
		1,2-Dibromoethane	<2	<5	<5				ug/L		
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5				ug/L		
		1,2-Dichloropropane	<2	<5	<5				ug/L		
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2	<5	<5				ug/L		
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10				ug/L		
		Acetone	<10	<10	<10				ug/L		
		Acetonitrile (Methyl cyanide)	<10	<20	<20				ug/L		
		Acrolein	<20	<20	<20				ug/L		
		Acrylonitrile	<50	<5	<5				ug/L		
		Allyl chloride	<10	<10	<10				ug/L		
		Arsenic, total recoverable	<5	<40	4.6				ug/L		
		Barium, total recoverable	5.04	3.5	4.2				ug/L		
		Benzene	<2	<5	<5				ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 31

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5				ug/L		
		Bromoform	<2	<5	<5				ug/L		
		Bromomethane (Methyl bromide)	<2	<10	<10				ug/L		
		Cadmium, total recoverable	<2	<4.7	<4.7				ug/L		
		Carbon disulfide	<5	<5	<5				ug/L		
		Carbon tetrachloride	<2	<5	<5				ug/L		
		Chlorobenzene	<2	<5	<5				ug/L		
		Chloroethane	<2	<10	<10				ug/L		
		Chloroethene (Vinyl chloride)	<2	<10	<10				ug/L		
		Chloroform	<2	<5	<5				ug/L		
		Chloromethane (Methyl chloride)	<2	<10	<10				ug/L		
		Chloroprene	<2	<5	<5				ug/L		
		Chromium, total recoverable	9.99	<7	1.2				ug/L		
		Dibromochloromethane	<2	<5	<5				ug/L		
		Dibromomethane (Methylene bromide)	<2	<5	<5				ug/L		
		Dichlorodifluoromethane	<2	<10	<10				ug/L		
		Dichloromethane (Methylene chloride)	<10	<2.27	<7.19				ug/L		
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5				ug/L		
		Gross alpha	4.44	1.74	2.56				pCi/L		
		Iodomethane (Methyl iodide)	<10	<5	<5				ug/L		
		Isobutyl alcohol	<20	<100	<100				ug/L		
		Lead, total recoverable	4.16	<47	<47				ug/L		
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.053	<.7	<.7				ug/L		
		Methacrylonitrile	<10	<10	<10				ug/L		
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10				ug/L		
		Methyl isobutyl ketone	<10	<10	<10				ug/L		
		Methyl methacrylate	<10						ug/L		
		Nonvolatile beta	2.78						pCi/L		
		Propionitrile	<20	<50	<50				ug/L		
		Selenium, total recoverable	<5	<66	<66				ug/L		
		Silver, total recoverable	<2	<5	<.57				ug/L		
		Styrene	<2	<5	<5				ug/L		
		Tetrachloroethylene	<2	<5	<5				ug/L		
		Toluene	<2	<5	<5				ug/L		
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5				ug/L		
		Trichlorofluoromethane	<2	<5	8.68				ug/L		
		Tritium		1.48	1.6				pCi/ml		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 31
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium		1.44					pCi/ml		
		Vinyl acetate	<10	<10	<10				ug/L		
		Xylenes	<2	<5	<5				ug/L		
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5				ug/L		
		trans-1,2-Dichloroethylene	<2	<5	<5				ug/L		
		trans-1,3-Dichloropropene	<2	<5	<5				ug/L		
		trans-1,4-Dichloro-2-butene	<2	<20	<20				ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 32

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 85836.8 E 44935.9	33.289 Deg N 81.715 Deg W	165.3 - 144.3 ft msl	223.7 ft msl	4" PVC	S	U Steed Pond

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

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		159.4		158.5	ft msl
Depth to water		61.9		62.8	ft
pH		4.4		4.6	pH
Sp. Conductance		22		32	uS/cm
Water temperature		25		19	deg. C
Alkalinity as CaCO3		1		0	mg/L
Turbidity		.4		.8	NTU
Volumes purged		8.3624		7.9893	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane		4.11		24.5	1		ug/L	0	WA
		1,1,2,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane		<5		<5	1	U	ug/L	0	WA
		1,1-Dichloroethane		<5		5.2	1		ug/L	1	WA
		1,1-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane		<5		<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane		<5		<5	1	U	ug/L	0	WA
		1,2-Dibromoethane		<5		<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene		<5		<5	1	U	ug/L	0	WA
		1,2-Dichloroethane		<5		<5	1	U	ug/L	0	WA
		1,2-Dichloropropane		<5		<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene		<5		<5	1	U	ug/L	0	WA
		2-Hexanone		<10		<10	1	U	ug/L	0	WA
		Acetone		<3.96		<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)		<20		<20	1	U	ug/L	0	WA
		Acrolein		<20		<20	1	U	ug/L	0	WA
		Acrylonitrile		<5		<5	1	U	ug/L	0	WA
		Allyl chloride		<10		<10	1	U	ug/L	0	WA
		Antimony, total recoverable		<27		<27	1	U	ug/L	0	WA
		Arsenic, total recoverable		<40		<40	1	U	ug/L	0	WA
		Barium, total recoverable				13.5	1		ug/L	0	WA
		Barium, total recoverable		6.8		13.8	1		ug/L	0	WA
		Benzene		<5		<5	1	U	ug/L	0	WA
		Beryllium, total recoverable		<1.6		<1.6	1	U	ug/L	0	WA
		Bromochloromethane		<5		<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 32

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bromodichloromethane		<5		<5	1	U	ug/L	0	WA
		Bromoform		<5		<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)		<10		<10	1	U	ug/L	0	WA
		Cadmium, total recoverable				.58	1	J	ug/L	0	WA
		Cadmium, total recoverable		<4.7		<4.7	1	U	ug/L	0	WA
		Carbon disulfide		<5		<5	1	U	ug/L	0	WA
		Carbon tetrachloride		<5		<5	1	U	ug/L	0	WA
		Chlorobenzene		<5		<5	1	U	ug/L	0	WA
		Chloroethane		<10		<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)		<10		<10	1	U	ug/L	0	WA
		Chloroform		<5		<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)		<10		<10	1	U	ug/L	0	WA
		Chloroprene		<5		<5	1	U	ug/L	0	WA
		Chromium, total recoverable		<7		<7	1	U	ug/L	0	WA
		Cobalt, total recoverable		<4.5		<4.5	1	U	ug/L	0	WA
		Copper, total recoverable				2.4	1	J	ug/L	0	WA
		Copper, total recoverable		4.7		2.7	1	J	ug/L	0	WA
		Di-n-butyl phthalate		<1.55		<10	1	U	ug/L	0	WA
*		Di-n-butyl phthalate		<1.55		<10	1	UJ	ug/L	0	WA
		Dibromochloromethane		<5		<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)		<5		<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane		<10		<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<2.3		<7.64	1	U	ug/L	0	WA
		Ethylbenzene		<5		<5	1	U	ug/L	0	WA
		Iodomethane (Methyl iodide)		<5		<5	1	U	ug/L	0	WA
		Isobutyl alcohol		<100		<100	1	U	ug/L	0	WA
		Lead, total recoverable		4.9		<47	1	U	ug/L	0	WA
		Lindane		<.051					ug/L		
		Methacrylonitrile		<10		<10	1	U	ug/L	0	WA
		Methyl ethyl ketone		<10		<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone		<10		<10	1	U	ug/L	0	WA
		Nickel, total recoverable		<26		<26	1	U	ug/L	0	WA
		Propionitrile		<50		<50	1	U	ug/L	0	WA
		Selenium, total recoverable		<66		<66	1	U	ug/L	0	WA
		Silver, total recoverable		<5		<5	1	U	ug/L	0	WA
		Specific conductance		21.9		31.2	1		uS/cm	0	WA
		Styrene		<5		<5	1	U	ug/L	0	WA
		Tetrachloroethylene		<5		<5	1	U	ug/L	0	WA
		Thallium, total recoverable		<55		<55	1	U	ug/L	0	WA
		Toluene		<5		<5	1	U	ug/L	0	WA
		Trichloroethylene		<5		1.62	1	J	ug/L	0	WA
+		Trichlorofluoromethane		44.4		282	2		ug/L	2	WA
		Trichlorofluoromethane					1	L	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 32

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium				1.77	1		pCi/ml	0	TM
		Tritium		1.56		1.87	1		pCi/ml	0	TM
		Vanadium, total recoverable		<6.9		<6.9	1	U	ug/L	0	WA
		Vinyl acetate		<10		<10	1	U	ug/L	0	WA
		Xylenes		<5		<5	1	U	ug/L	0	WA
		Zinc, total recoverable		8.8		<53	1	U	ug/L	0	WA
		beta-Benzene hexachloride				<.051	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	WA
*		pH		5.08		5	1	J	pH	0	WA
		trans-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20		<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 34

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 85409.5	33.288 Deg N	164.7 - 143.7 ft msl	201.0 ft msl	4" PVC	S	U Steed Pond
E 45016.9	81.714 Deg W					

SAMPLE DATE 03/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		157.11			ft msl
Depth to water		41.59			ft
pH		4.4			pH
Sp. Conductance		34			uS/cm
Water temperature		25			deg. C
Alkalinity as CaCO3		1			mg/L
Turbidity		.7			NTU
Volumes purged		5.4339			well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1-Trichloroethane		7.19				ug/L		
Aluminum, total recoverable		<32.9				ug/L		
Arsenic, total recoverable		<40				ug/L		
Cadmium, total recoverable		<4.7				ug/L		
Carbon tetrachloride		<1				ug/L		
Chloroform		<1				ug/L		
Gross alpha		3.97				pCi/L		
Iron, total recoverable		36.5				ug/L		
Lead, total recoverable		<47				ug/L		
Manganese, total recoverable		2.2				ug/L		
Mercury, total recoverable		<.7				ug/L		
Nitrate-nitrite as nitrogen		549				ug/L		
Nonvolatile beta		7.52				pCi/L		
Nonvolatile beta		8.51				pCi/L		
Tetrachloroethylene		<1				ug/L		
Total organic halogens		87.8				ug/L		
Trichloroethylene		<1				ug/L		
Tritium		1.91				pCi/ml		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 36R

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 83537.3 E 45519.1	33.285 Deg N 81.709 Deg W	142.0 - 122.0 ft msl	168.4 ft msl	2" PVC	V	U Steed Pond

SAMPLE DATE	12/02/96	03/05/97	06/05/97	09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	143.38	144	142.05	143.15	ft msl
Depth to water	23.02	22.4	24.35	23.25	ft
pH	6.4	6.2	6.4	6.2	pH
Sp. Conductance	260	220	200	200	uS/cm
Water temperature	20.8	24	28	21	deg. C
Alkalinity as CaCO3	105	96	90	75	mg/L
Turbidity	17.7	.9	1.7	5.3	NTU
Volumes purged	4.4336	3.8110	2.7653	3.1607	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<50	10	U	ug/L	0	WA
+		1,1-Dichloroethane	8	5.83	5.84	71.8	10		ug/L	2	WA
		1,1-Dichloroethane	8.6						ug/L		
		1,1-Dichloroethylene	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<50	10	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
+		1,4-Dichlorobenzene	18.8	18.1	12.3	131	10		ug/L	2	WA
		1,4-Dichlorobenzene	18.9						ug/L		
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<100	10	U	ug/L	0	WA
		Acetone	<10	<10	<3.96	<100	10	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<200	10	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<200	10	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<50	10	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<100	10	U	ug/L	0	WA
		Aluminum, total recoverable	19.8						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 36R

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Arsenic, total recoverable	4.2	5.2	<40	5	1	J	ug/L	0	WA
		Barium, total recoverable	3.32	2.8	2.6	2.3	1		ug/L	0	WA
		Benzene	<2	<5	<5	<50	10	U	ug/L	0	WA
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Boron, total recoverable	105						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<50	10	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<50	10	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<100	10	U	ug/L	0	WA
		Cadmium, total recoverable	<.705	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Calcium, total recoverable	<5160						ug/L		
		Carbon disulfide	<5	<5	<5	<50	10	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<50	10	U	ug/L	0	WA
		Chlorobenzene	9.7	8.42	8.15	76.6	10		ug/L	1	WA
		Chlorobenzene	9.9						ug/L		
		Chloroethane	<2	<10	<10	<100	10	U	ug/L	0	WA
+		Chloroethene (Vinyl chloride)	26.1	30.9	23.5	219	10		ug/L	2	WA
		Chloroethene (Vinyl chloride)	27.6						ug/L		
		Chloroform	<2	<5	<5	<50	10	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<100	10	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<50	10	U	ug/L	0	WA
		Chromium, total recoverable	1.49	<7	<7	<7	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<50	10	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<50	10	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	<10	<10	<100	10	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<5	<1.88	<2.85	<15.9	10	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<10						ug/L		
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<50	10	U	ug/L	0	WA
		Gross alpha	3.25	<.685	1.86	3.52	1		pCi/L	0	TM
		Gross alpha			2.35				pCi/L		
		Iodomethane (Methyl iodide)	<10	<5	<5	<50	10	U	ug/L	0	WA
		Iron, total recoverable	40700						ug/L		
		Isobutyl alcohol	<20	<100	<100	<1000	10	U	ug/L	0	WA
		Lead, total recoverable	18.1	<47	5.4	<47	1	U	ug/L	0	WA
		Lindane	<.025						ug/L		
		Lithium, total recoverable	<25						ug/L		
		Magnesium, total recoverable	<5320						ug/L		
		Manganese, total recoverable	27.4						ug/L		
		Mercury, total recoverable	.061	.08	.08	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<100	10	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<100	10	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 36R
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Methyl isobutyl ketone	<10	<10	<10	<100	10	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nitrate-nitrite as nitrogen	330						ug/L		
		Nonvolatile beta	<6.4						pCi/L		
		Potassium, total recoverable	<1160						ug/L		
		Propionitrile	<20	<50	<50	<500	10	U	ug/L	0	WA
		Radium-226	1.61						pCi/L		
		Selenium, total recoverable	2.14	<66	<66	<66	1	U	ug/L	0	WA
		Silica, total recoverable	<6030						ug/L		
		Silver, total recoverable	<2	<5	<5	<1	1	U	ug/L	0	WA
		Sodium, total recoverable	<7300						ug/L		
		Styrene	<2	<5	<5	<50	10	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<50	10	U	ug/L	0	WA
		Toluene	<2	<5	<5	<50	10	U	ug/L	0	WA
		Total activity	<29.24						pCi/ml		
		Total dissolved solids	<94000						ug/L		
		Total organic carbon	2290						ug/L		
		Total organic carbon	2720						ug/L		
		Total phosphates (as P)	<50						ug/L		
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<50	10	U	ug/L	0	WA
		Trichlorofluoromethane	1.1	<5	<5	<50	10	U	ug/L	0	WA
		Tritium	<-5.2	3.68	3.81	3.33	1		pCi/ml	0	TM
		Tritium			4.26				pCi/ml		
		Vinyl acetate	<10	<10	<10	<100	10	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<50	10	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<50	10	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<50	10	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<50	10	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<200	10	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 41R

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 83238.3	33.286 Deg N	140.2 - 120.2 ft msl	169.7 ft msl	2" PVC	V	U Steed Pond
E 46635.3	81.706 Deg W					

SAMPLE DATE	12/09/96	03/04/97	06/02/97	09/03/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	139.84	141.45	140.21	120.8	ft msl
Depth to water	27.76	26.15	27.39	46.8	ft
pH	4.6	4.8	4.8	4.8	pH
Sp. Conductance	12	12	16	19	uS/cm
Water temperature	25	26	29	21	deg. C
Alkalinity as CaCO3	1	1	0	0	mg/L
Turbidity	.6	.9	.4	1.1	NTU
Volumes purged	4.2071	2.6114	3.5852	18.067	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	1.4	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	1						ug/L		
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	1.8	1.03	<5	1.98	1	J	ug/L	0	WA
		1,1-Dichloroethane	1.5						ug/L		
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.051						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	5.9						ug/L		
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 41R

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Aluminum, total recoverable	<20						ug/L		
		Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable	2.15			2.1	1		ug/L	0	WA
		Barium, total recoverable	<25	<1.8	2.9	2.4	1		ug/L	0	WA
		Barium, total recoverable	2.32						ug/L		
		Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Boron, total recoverable	<50						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	<2	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Calcium, total recoverable	<274						ug/L		
		Calcium, total recoverable	<278						ug/L		
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	10.8	1.5	1.4	<7	1	U	ug/L	0	WA
		Chromium, total recoverable	10.5						ug/L		
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	1.6	2.83	<10	<10	1	U	ug/L	0	WA
		Dichlorodifluoromethane	2.2						ug/L		
		Dichloromethane (Methylene chloride)	<10	<2.17	<5.82	<1.69	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	1.1						ug/L		
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	1.41			<.74	1	UI	pCi/L	0	TM
		Gross alpha	1.51	<.563	1.19	1.33	1	J	pCi/L	0	TM
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Iron, total recoverable	53.9						ug/L		
		Iron, total recoverable	81.3						ug/L		
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	<100	<47	<47	<47	1	U	ug/L	0	WA
		Lead, total recoverable	5.17						ug/L		
		Lead, total recoverable	5.4						ug/L		
		Lindane	<.025						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 41R
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lithium, total recoverable	<25						ug/L		
		Magnesium, total recoverable	<296						ug/L		
		Magnesium, total recoverable	<297						ug/L		
		Manganese, total recoverable	1.51						ug/L		
		Manganese, total recoverable	1.64						ug/L		
		Manganese, total recoverable	3.4						ug/L		
		Mercury, total recoverable	<.044	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nickel, total recoverable	4.52						ug/L		
		Nickel, total recoverable	<25						ug/L		
		Nonvolatile beta	2.24						pCi/L		
		Nonvolatile beta	6.29						pCi/L		
		Potassium, total recoverable	<221						ug/L		
		Potassium, total recoverable	<228						ug/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silica, total recoverable	<7020						ug/L		
		Silica, total recoverable	<7150						ug/L		
		Silver, total recoverable	<2			<5	1	UJ	ug/L	0	WA
		Silver, total recoverable	<25	<5	<5	15.2	1	J	ug/L	0	WA
		Sodium, total recoverable	<1280						ug/L		
		Sodium, total recoverable	<1500						ug/L		
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Total activity	<23.91						pCi/ml		
		Total dissolved solids	<21000						ug/L		
		Total dissolved solids	<22000						ug/L		
		Total phosphates (as P)	<50						ug/L		
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Trichloroethylene	1						ug/L		
		Trichlorofluoromethane	4.5	5.26	5.9	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	3.5						ug/L		
		Tritium				1.57	1		pCi/ml	0	TM
		Tritium	1.53	2	1.98	2.08	1		pCi/ml	0	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 41R

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

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WELL: LFW 43B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 86459.2	33.291 Deg N	100.4 - 90.4 ft msl	203.0 ft msl	4" PVC	S	M Steed Pond
E 45240.5	81.716 Deg W					

SAMPLE DATE	12/09/96	03/05/97	06/02/97	09/03/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	162.1	162.24	161.5	161.5	ft msl
Depth to water	38.9	38.76	39.5	39.5	ft
pH	4.8	4.2	5.2	5	pH
Sp. Conductance	32	42	18	20	uS/cm
Water temperature	24	24	29	20	deg. C
Alkalinity as CaCO3	1	1	1	1	mg/L
Turbidity	2.1	1.1	2.3	1.3	NTU
Volumes purged	2.4820	4.5418	4.4209	3.8162	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2	<2.5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane		<5					ug/L		
1,1,2,2-Tetrachloroethane	<2	<1.5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane		<5					ug/L		
1,1,2-Trichloroethane	<2	<2.8	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane		<5					ug/L		
1,1-Dichloroethane	<2	<2.5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane		<5					ug/L		
1,1-Dichloroethylene	<2	<3.2	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene		<5					ug/L		
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	<2.5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloroethane		<5					ug/L		
1,2-Dichloropropane	<2	<2	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane		<5					ug/L		
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	<2	<4	<5	<5	1	U	ug/L	0	WA
1,4-Dichlorobenzene		<5					ug/L		
1,4-Dioxane		<100					ug/L		
2,4,5-TP (Silvex)	<.025						ug/L		
2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

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WELL: LFW 43B

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<9	<10	<10	1	U	ug/L	0	WA
		Acetone		<10					ug/L		
		Acetonitrile (Methyl cyanide)	<10	<10	<20	<20	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)		<20					ug/L		
		Acrolein	<20	<100	<20	<20	1	U	ug/L	0	WA
		Acrolein		<20					ug/L		
		Acrylonitrile	<50	<20	<5	<5	1	U	ug/L	0	WA
		Acrylonitrile		<5					ug/L		
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable	<5	<8	<40	<40	1	U	ug/L	0	WA
		Arsenic, total recoverable		<40					ug/L		
		Barium, total recoverable	3.45	4.1	3.9	3.9	1		ug/L	0	WA
		Barium, total recoverable		3.4					ug/L		
		Barium, total recoverable		3.5					ug/L		
		Benzene	<2	<2.2	<5	<5	1	U	ug/L	0	WA
		Benzene		<5					ug/L		
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<2.2	<5	<5	1	U	ug/L	0	WA
		Bromodichloromethane		<5					ug/L		
		Bromoform	<2	<2.6	<5	<5	1	U	ug/L	0	WA
		Bromoform		<5					ug/L		
		Bromomethane (Methyl bromide)	<2	<3.5	<10	<10	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)		<10					ug/L		
		Cadmium, total recoverable	<2	<2	<4.7	<4.7	1	U	ug/L	0	WA
		Cadmium, total recoverable		<4.7					ug/L		
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<2.6	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride		<5					ug/L		
		Chlorobenzene	<2	<1.4	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene		<5					ug/L		
		Chloroethane	<2	<8.2	<10	<10	1	U	ug/L	0	WA
		Chloroethane		<10					ug/L		
		Chloroethene (Vinyl chloride)	<2	<4.6	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)		<10					ug/L		
		Chloroform	<2	<2.5	<5	<5	1	U	ug/L	0	WA
		Chloroform		<5					ug/L		
		Chloromethane (Methyl chloride)	<2	<4.4	<10	<10	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)		<10					ug/L		
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	9.63	<3	<7	<7	1	U	ug/L	0	WA
		Chromium, total recoverable		.9					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

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WELL: LFW 43B
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chromium, total recoverable		1.2					ug/L		
		Dibromochloromethane	<2	<2.3	<5	<5	1	U	ug/L	0	WA
		Dibromochloromethane		<5					ug/L		
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	<5	<10	<10	1	U	ug/L	0	WA
		Dichlorodifluoromethane		<10					ug/L		
		Dichloromethane (Methylene chloride)		<6.84		<.953	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<2.06		<1.39	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<10	<6.4	<1.15	<3.07	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<1.51					ug/L		
		Dichloromethane (Methylene chloride)		<2.34					ug/L		
		Endrin	<.05						ug/L		
		Ethyl methacrylate		<5					ug/L		
		Ethylbenzene	<2	<1.3	<5	<5	1	U	ug/L	0	WA
		Ethylbenzene		<5					ug/L		
		Gross alpha	4.86	1.76	2.56	1.98	1	J	pCi/L	0	TM
		Gross alpha		1.4					pCi/L		
		Gross alpha		2.68					pCi/L		
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	<5	5.6	<47	<47	1	U	ug/L	0	WA
		Lead, total recoverable		<47					ug/L		
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.2	<.2	<.7	<.7	1	U	ug/L	0	WA
		Mercury, total recoverable		<.7					ug/L		
		Methacrylonitrile	<10	<5	<10	<10	1	U	ug/L	0	WA
		Methacrylonitrile		<10					ug/L		
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<12	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone		<10					ug/L		
		Methyl methacrylate	<10	<5					ug/L		
		Nonvolatile beta	1.98						pCi/L		
		Pentachloroethane		<5					ug/L		
		Propionitrile	<20	<5	<50	<50	1	U	ug/L	0	WA
		Propionitrile		<50					ug/L		
		Selenium, total recoverable	<5	<5	<66	<66	1	U	ug/L	0	WA
		Selenium, total recoverable		<66					ug/L		
		Silver, total recoverable	<2	<2	<5	<5	1	UJ	ug/L	0	WA
		Silver, total recoverable		.6					ug/L		
		Silver, total recoverable		<5					ug/L		
		Styrene	<2	<.5	<5	<5	1	U	ug/L	0	WA
		Styrene		<5					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 43B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	<2	<1.9	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene		<5					ug/L		
		Toluene	<2	<1.7	<5	<5	1	U	ug/L	0	WA
		Toluene		<5					ug/L		
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<3	<5	<5	1	U	ug/L	0	WA
		Trichloroethylene		<5					ug/L		
		Trichlorofluoromethane	<2	<4.6	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane		<5					ug/L		
		Tritium	<-.735	.859	1	.88	1		pCi/ml	0	TM
		Tritium		.951					pCi/ml		
		Tritium		<1.1					pCi/ml		
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<3.7	<5	<5	1	U	ug/L	0	WA
		Xylenes		<5					ug/L		
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<2	<5	<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5					ug/L		
		trans-1,2-Dichloroethylene	<2	<3.2	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene		<5					ug/L		
		trans-1,3-Dichloropropene	<2	<1.6	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5					ug/L		
		trans-1,4-Dichloro-2-butene	<2	<5	<20	<20	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 43C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 86480.6 E 45234.9	33.291 Deg N 81.716 Deg W	138.5 - 128.5 ft msl	202.6 ft msl	4" PVC	S	U Steed Pond

SAMPLE DATE	12/19/96	03/05/97	06/02/97	09/03/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	162.05	162.31	161.58	164.67	ft msl
Depth to water	38.45	38.19	38.92	35.83	ft
pH	4.2	4.6	5	5.2	pH
Sp. Conductance	19	120	16	22	uS/cm
Water temperature	24	24	30	20	deg. C
Alkalinity as CaCO3	0	1	1	1	mg/L
Turbidity	.2	.3	.5	1.5	NTU
Volumes purged	4.1905	2.8442	4.5931	3.9833	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	0	WA
1,1,1,2-Tetrachloroethane	<2						ug/L		
1,1,1-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2						ug/L		
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2						ug/L		
1,1,2-Trichloroethane	<5	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2						ug/L		
1,1-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane	<2						ug/L		
1,1-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene	<2						ug/L		
1,1-Dichloropropene	<5						ug/L		
1,2,3-Trichlorobenzene	<5						ug/L		
1,2,3-Trichloropropane	<5	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2						ug/L		
1,2,4-Trichlorobenzene	<5						ug/L		
1,2,4-Trimethylbenzene	<5						ug/L		
1,2-Dibromo-3-chloropropane	<10	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2						ug/L		
1,2-Dibromoethane	<10	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2						ug/L		
1,2-Dichlorobenzene	<5	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<5	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloroethane	<2						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 43C
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,2-Dichloropropane	<5	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2						ug/L		
		1,3,5-Trimethylbenzene	<5						ug/L		
		1,3-Dichlorobenzene	<5		<5				ug/L		
		1,3-Dichlorobenzene	<2						ug/L		
		1,3-Dichloropropane	<5						ug/L		
		1,4-Dichlorobenzene	<5	<5	<5	<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene	<2						ug/L		
		2,2-Dichloropropane	<5						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Chlorotoluene	<5						ug/L		
		2-Hexanone	<10	<10	<5	<10	1	U	ug/L	0	WA
		2-Hexanone			<10				ug/L		
		4-Chlorotoluene	<5						ug/L		
		Acetone	<10	<6.84	<10	<5.9	1	U	ug/L	0	WA
		Acetone			<5				ug/L		
		Acetonitrile (Methyl cyanide)	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10						ug/L		
		Acrolein	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20						ug/L		
		Acrylonitrile	<10	<5	<5	<5	1	U	ug/L	0	WA
		Acrylonitrile	<50						ug/L		
		Allyl chloride	<20	<10	<10	<10	1	U	ug/L	0	WA
		Allyl chloride	<10						ug/L		
		Antimony, total recoverable		<27		<27	1	U	ug/L	0	WA
		Arsenic, total recoverable	<40	<40	<10	<40	1	U	ug/L	0	WA
		Arsenic, total recoverable	<5		<40				ug/L		
		Barium, total recoverable	3.4		2.53	4.2	1		ug/L	0	WA
		Barium, total recoverable			3.6				ug/L		
		Barium, total recoverable			3.9				ug/L		
		Benzene	<5	<5	<5	<5	1	U	ug/L	0	WA
		Benzene	<2						ug/L		
		Beryllium, total recoverable		<.22		<1.6	1	U	ug/L	0	WA
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromobenzene	<5						ug/L		
		Bromochloromethane	<5	<5		<5	1	U	ug/L	0	WA
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<5	<5	<5	<5	1	U	ug/L	0	WA
		Bromodichloromethane	<2						ug/L		
		Bromoform	<5	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2						ug/L		
		Bromomethane (Methyl bromide)	<10	<10	<10	<10	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2		<5				ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 43C

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Cadmium, total recoverable	<4.7	<4.7	<5	<4.7	1	U	ug/L	0	WA
Cadmium, total recoverable	.386		<4.7				ug/L		
Cadmium, total recoverable	<2						ug/L		
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2						ug/L		
Chlorobenzene	<5	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2						ug/L		
Chloroethane	<10	<10	<10	<10	1	U	ug/L	0	WA
Chloroethane	<2		<5				ug/L		
Chloroethene (Vinyl chloride)	<10	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2		<5				ug/L		
Chloroform	<5	<5	<5	<5	1	U	ug/L	0	WA
Chloroform	<2						ug/L		
Chloromethane (Methyl chloride)	<10	<10	<10	<10	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2		<5				ug/L		
Chloroprene	<5	<5	<5	<5	1	U	ug/L	0	WA
Chloroprene	<2						ug/L		
Chromium, total recoverable	<7	<7	<10	<7	1	U	ug/L	0	WA
Chromium, total recoverable	<1.72		<7				ug/L		
Chromium, total recoverable	<.974						ug/L		
Cobalt, total recoverable		<4.5		<4.5	1	U	ug/L	0	WA
Copper, total recoverable		<15		<6.8	1	U	ug/L	0	WA
Di-n-butyl phthalate		<1.19		<10	1	U	ug/L	0	WA
Dibromochloromethane	<5	<5	<5	<5	1	U	ug/L	0	WA
Dibromochloromethane	<2						ug/L		
Dibromomethane (Methylene bromide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2						ug/L		
Dichlorodifluoromethane	<10	<10	<10	<10	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2						ug/L		
Dichloromethane (Methylene chloride)	<2.24	<9.1	1.68	<9.99	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)			<5.45				ug/L		
Dichloromethane (Methylene chloride)			<8.51				ug/L		
Diethyl ether	<10						ug/L		
Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	0	WA
Ethylbenzene	<2						ug/L		
Gross alpha	2.64	1.62	2.43	<.9	1	UI	pCi/L	0	TM
Gross alpha			<.11				pCi/L		
Gross alpha			1.97				pCi/L		
Hexachlorobutadiene	<5						ug/L		
Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	0	WA
Iodomethane (Methyl iodide)	<10						ug/L		
Isobutyl alcohol	<50	<100	<100	<100	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

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WELL: LFW 43C
ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Isobutyl alcohol	<20						ug/L		
Isopropylbenzene	<5						ug/L		
Lead, total recoverable	<11.4	<47	<5	<47	1	U	ug/L	0	WA
Lead, total recoverable	<7.7		<47				ug/L		
Lead, total recoverable	2.17						ug/L		
Lead, total recoverable	2.49						ug/L		
Lead, total recoverable	<10.1						ug/L		
Lindane		<.051					ug/L		
Mercury, total recoverable	<.7	<.7	<.2	<.7	1	U	ug/L	0	WA
Mercury, total recoverable	<.2		<.7				ug/L		
Mercury, total recoverable	<.024						ug/L		
Methacrylonitrile	<20	<10	<10	<10	1	U	ug/L	0	WA
Methacrylonitrile	<10						ug/L		
Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl ethyl ketone	<5		<5				ug/L		
Methyl isobutyl ketone	<10	<10	<5	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone			<10				ug/L		
Methyl methacrylate	<10						ug/L		
Naphthalene	<5						ug/L		
Nickel, total recoverable		<26		<26	1	U	ug/L	0	WA
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	<66	<66	<10	<66	1	U	ug/L	0	WA
Selenium, total recoverable	1.63		<66				ug/L		
Selenium, total recoverable	<5						ug/L		
Silver, total recoverable	<2	<5	<20	<5	1	UJ	ug/L	0	WA
Silver, total recoverable	<5		<5				ug/L		
Specific conductance		13.9		17.3	1		uS/cm	0	WA
Styrene	<5	<5	<5	<5	1	U	ug/L	0	WA
Styrene	<2						ug/L		
Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2						ug/L		
Thallium, total recoverable		<55		<55	1	U	ug/L	0	WA
Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<5						ug/L		
Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
Trichloroethylene	<2						ug/L		
Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<2						ug/L		
Tritium	<.448	1.02	<.53	1.05	1		pCi/ml	0	TM
Tritium			<.818				pCi/ml		
Tritium			1.08				pCi/ml		
Vanadium, total recoverable		<6.9		<6.9	1	U	ug/L	0	WA
Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1997.
+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 43C
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vinyl acetate			<5				ug/L		
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		Zinc, total recoverable		<53		<53	1	U	ug/L	0	WA
		beta-Benzene hexachloride				<.052	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<5	<5		<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene	<2						ug/L		
		m/p-Xylene	<5		<10				ug/L		
		n-Butylbenzene	<5						ug/L		
		n-Propylbenzene	<5						ug/L		
		o-Xylene	<5						ug/L		
		p-Isopropyltoluene	<5						ug/L		
*		pH		5.33		5.48	1	J	pH	0	WA
		sec-Butylbenzene	<5						ug/L		
		tert-Butylbenzene	<5						ug/L		
		trans-1,2-Dichloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2						ug/L		
		trans-1,3-Dichloropropene	<5	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2						ug/L		
		trans-1,4-Dichloro-2-butene	<20	<20	<20	<20	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 43D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 86443.2 E 45244.5	33.291 Deg N 81.716 Deg W	170.9 - 150.9 ft msl	202.9 ft msl	4" PVC	S	U Steed Pond

SAMPLE DATE	12/09/96	03/05/97	06/02/97	09/03/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	162.38	162.41	161.88		ft msl
Depth to water	38.52	38.49	39.02		ft
pH	4.8	4.8	4.6	4.8	pH
Sp. Conductance	26	10	12	16	uS/cm
Water temperature	18.4	25	29	20	deg. C
Alkalinity as CaCO3	1	2	1	0	mg/L
Turbidity	4.6	.3	.4	1.6	NTU
Volumes purged	7.5767	4.6262	6.9290		well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2	<5		<5	1	U	ug/L	0	WA
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
2,4,5-TP (Silvex)	<.025						ug/L		
2,4-Dichlorophenoxyacetic acid	<.051						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<10	<14.2	<10	<2.9	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Aluminum, total recoverable		<33					ug/L		
Aluminum, total recoverable		<43.1					ug/L		
Antimony, total recoverable		<27		<27	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 43D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Arsenic, total recoverable	<5	<40	5.8	<40	1	U	ug/L	0	WA
		Barium, total recoverable	6.94	6.1	5.6	6.9	1		ug/L	0	WA
		Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Beryllium, total recoverable		<1.6		<1.6	1	U	ug/L	0	WA
		Beryllium, total recoverable		<.17					ug/L		
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2	<5		<5	1	U	ug/L	0	WA
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	<2	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	9.71	<7	<7	8.1	1		ug/L	0	WA
		Cobalt, total recoverable		<4.5		<4.5	1	U	ug/L	0	WA
		Copper, total recoverable		5.6		<8.3	1	U	ug/L	0	WA
		Copper, total recoverable		6.4					ug/L		
		Di-n-butyl phthalate		<10		<10	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<10	<5.85	<8.91	<3.83	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	4.89	.827	1.69	1.39	1	J	pCi/L	0	TM
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Iron, total recoverable		<74					ug/L		
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	<5	<47	<47	<47	1	U	ug/L	0	WA
		Lindane	<.025	<.051					ug/L		
		Manganese, total recoverable		3.2					ug/L		
		Mercury, total recoverable	.162	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 43D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nickel, total recoverable		<26		12.3	1	J	ug/L	0	WA
		Nitrate-nitrite as nitrogen		266					ug/L		
		Nonvolatile beta	3.82	2.66					pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<5	<5	<5	1	UJ	ug/L	0	WA
		Specific conductance		11.8		13.1	1		uS/cm	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Thallium, total recoverable		<55		<55	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Total organic halogens		<120					ug/L		
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tritium	<-1.28	.805	.93	1.18	1		pCi/ml	0	TM
		Tritium	<-1.16						pCi/ml		
		Vanadium, total recoverable		<6.9		<6.9	1	U	ug/L	0	WA
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		Zinc, total recoverable		9.7		6.5	1	J	ug/L	0	WA
		Zinc, total recoverable		8.9					ug/L		
		beta-Benzene hexachloride				<.052	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2	<5		<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
*		pH		5.25		5.48	1	J	pH	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 45D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 84217.8	33.286 Deg N	154.7 - 134.7 ft msl	166.3 ft msl	4" PVC	S	U Steed Pond
E 45142.0	81.712 Deg W					

SAMPLE DATE	12/09/96	03/07/97	06/02/97	09/05/97

FIELD DATA

<u>Analyte</u>	<u>1O97</u>	<u>2O97</u>	<u>3O97</u>	<u>4O97</u>	<u>Unit</u>
Water Elevation	149.4	149.85	149.1	148.9	ft msl
Depth to water	15	14.55	15.3	15.5	ft
pH	4.4	4.6	5.2	4.8	pH
Sp. Conductance	28	30	32	42	uS/cm
Water temperature	28	17	28	20	deg. C
Alkalinity as CaCO3	1	1	5	0	mg/L
Turbidity	2.9	6.7	1.8	1.6	NTU
Volumes purged	3.9487	4.9174	5.4242	4.9235	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1O97</u>	<u>2O97</u>	<u>3O97</u>	<u>4O97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
2,4,5-T	<.05						ug/L		
2,4,5-TP (Silvex)	<.025						ug/L		
2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Aldrin	<.025						ug/L		
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Aluminum, total recoverable		<55.5					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 45D

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	8.83	8.6	9	11.8	1		ug/L	0	WA
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	<2	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	10.8	<7	1.5	<7	1	U	ug/L	0	WA
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<10	<1.91	<8.75	<5	1	U	ug/L	0	WA
Dieldrin	<.05						ug/L		
Endrin	<.05						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	4.84	1.82	2.4	4.48	1		pCi/L	0	TM
Heptachlor	<.05						ug/L		
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Iron, total recoverable		<74					ug/L		
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	<5	<47	<47	<47	1	U	ug/L	0	WA
Lindane	<.025						ug/L		
Manganese, total recoverable		2.5					ug/L		
Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nitrate-nitrite as nitrogen		1550					ug/L		
Nonvolatile beta	4.14	4.26					pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 45D

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Silver, total recoverable	<2	<5	<5	<5	1	U	ug/L	0	WA
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
Total organic halogens		<120					ug/L		
Toxaphene	<1						ug/L		
Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Tritium	<-.606	1.16	.96	.76	1	J	pCi/ml	0	TM
Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
cis-1,2-Dichloroethylene	<2						ug/L		
cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
p,p''-DDT	<.1						ug/L		
trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 47D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83838.6	33.285 Deg N	154.7 - 134.9 ft msl	161.7 ft msl	4" PVC	S	U Steed Pond
E 45150.8	81.711 Deg W					

SAMPLE DATE	12/09/96	03/07/97	06/02/97	09/05/97

FIELD DATA

Analyte	1Q97	2Q97	3Q97	4Q97	Unit
Water Elevation	146.5	146.94	146.2	146.1	ft msl
Depth to water	13.2	12.76	13.5	13.6	ft
pH	4.8	4.8	5	5	pH
Sp. Conductance	56	46	58	52	uS/cm
Water temperature	24	15	30	20	deg. C
Alkalinity as CaCO3	0	2	4	0	mg/L
Turbidity	1.2	.6	1.2	1.5	NTU
Volumes purged	7.7340	7.3831	9.2839	9.8161	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane		<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane		<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane		<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene			<5				ug/L		
		1,2-Dichloroethane		<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane		<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene			<5				ug/L		
		1,4-Dichlorobenzene		<5	<5	<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4,5-TP (Silvex)	<.026						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.051						ug/L		
		2-Hexanone		<10	<5	<10	1	U	ug/L	0	WA
		2-Hexanone			<10				ug/L		
		Acetone		<10	<10	<10	1	U	ug/L	0	WA
		Acetone			<5				ug/L		
		Acetonitrile (Methyl cyanide)		<20	<20	<20	1	U	ug/L	0	WA
		Acrolein		<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile		<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride		<10	<10	<10	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 47D

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Arsenic, total recoverable		<40	<50	<40	1	U	ug/L	0	WA
Arsenic, total recoverable			<10				ug/L		
Arsenic, total recoverable			<40				ug/L		
Barium, total recoverable		23.3	23.5	22.2	1		ug/L	0	WA
Barium, total recoverable			25.1				ug/L		
Barium, total recoverable			26				ug/L		
Barium, total recoverable			26.4				ug/L		
Benzene		<5	<5	<5	1	U	ug/L	0	WA
Bromodichloromethane		<5	<5	<5	1	U	ug/L	0	WA
Bromoform		<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)		<10	<10	<10	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)			<5				ug/L		
Cadmium, total recoverable		<4.7	<5	<4.7	1	U	ug/L	0	WA
Cadmium, total recoverable			.47				ug/L		
Cadmium, total recoverable			<4.7				ug/L		
Carbon disulfide		<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride		<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene		<5	<5	<5	1	U	ug/L	0	WA
Chloroethane		<10	<10	<10	1	U	ug/L	0	WA
Chloroethane			<5				ug/L		
Chloroethene (Vinyl chloride)		<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)			<5				ug/L		
Chloroform		<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)		<10	<10	<10	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)			<5				ug/L		
Chloroprene		<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable		<7	<10	<7	1	U	ug/L	0	WA
Chromium, total recoverable			2.7				ug/L		
Chromium, total recoverable			5.79				ug/L		
Chromium, total recoverable			<7				ug/L		
Dibromochloromethane		<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)		<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane		<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)		<1.89	<5	<1.18	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)			<6.47				ug/L		
Dichloromethane (Methylene chloride)			<8.52				ug/L		
Endrin	<.05						ug/L		
Ethylbenzene		<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	2.51	<.261	1.17	<2.97	1	U	pCi/L	0	TM
Gross alpha			<.34				pCi/L		
Gross alpha			2.98				pCi/L		
Iodomethane (Methyl iodide)		<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol		<100	<100	<100	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

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WELL: LFW 47D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead, total recoverable		<47	<25	<47	1	U	ug/L	0	WA
		Lead, total recoverable			<5				ug/L		
		Lead, total recoverable			<47				ug/L		
		Lindane	<.025						ug/L		
		Mercury, total recoverable	.075	<.7	<.2	<.7	1	U	ug/L	0	WA
		Mercury, total recoverable			.08				ug/L		
		Mercury, total recoverable			<.7				ug/L		
		Methacrylonitrile		<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone		<10	<10	<10	1	U	ug/L	0	WA
		Methyl ethyl ketone			<5				ug/L		
		Methyl isobutyl ketone		<10	<5	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone			<10				ug/L		
		Nonvolatile beta	1.94						pCi/L		
		Nonvolatile beta	2.27						pCi/L		
		Propionitrile		<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable		<66	<50	<66	1	U	ug/L	0	WA
		Selenium, total recoverable			<10				ug/L		
		Selenium, total recoverable			<66				ug/L		
		Silver, total recoverable		<5	<20	<5	1	U	ug/L	0	WA
		Silver, total recoverable			<5				ug/L		
		Styrene		<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		Toluene		<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<1						ug/L		
		Trichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane		<5	<5	<5	1	U	ug/L	0	WA
		Tritium	<-.649	.69	.86	17.95	1		pCi/ml	1	TM
		Tritium			1.11				pCi/ml		
		Tritium			1.23				pCi/ml		
		Vinyl acetate		<10	<10	<10	1	U	ug/L	0	WA
		Vinyl acetate			<5				ug/L		
		Xylenes		<5	<5	<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
		m/p-Xylene			<10				ug/L		
		trans-1,2-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 48C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 83856.4	33.285 Deg N	118.2 - 108.2 ft msl	169.3 ft msl	4" PVC	S	M Steed Pond
E 45413.3	81.710 Deg W					

SAMPLE DATE	03/07/97	06/02/97	09/09/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		146.21	145.5	145.51	ft msl
Depth to water		20.99	21.7	21.69	ft
pH		5.2	5.2	5.5	pH
Sp. Conductance		20	32	40	uS/cm
Water temperature		19	29	21.1	deg. C
Alkalinity as CaCO3		24	6	10	mg/L
Turbidity		.7	.4	.7	NTU
Volumes purged		3.6865	4.6428	2.3208	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane		<5	<5	<5	1	U	ug/L	0	EX
1,1,1-Trichloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	EX
1,1,2,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane		<5	<5	<5	1	U	ug/L	0	EX
1,1,2-Trichloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane				3.48	1	J	ug/L	0	EX
1,1-Dichloroethane		3.21	<5	4.35	1	J	ug/L	0	WA
1,1-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	EX
1,1-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane		<5	<5	<5	1	U	ug/L	0	EX
1,2,3-Trichloropropane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane		<5	<5	<5	1	U	ug/L	0	EX
1,2-Dibromo-3-chloropropane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane		<5	<5	<5	1	U	ug/L	0	EX
1,2-Dibromoethane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene				<5	1	U	ug/L	0	EX
1,2-Dichloroethane		<5	<5	<5	1	U	ug/L	0	EX
1,2-Dichloroethane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane		<5	<5	<5	1	U	ug/L	0	EX
1,2-Dichloropropane		<5	<5	<5	1	U	ug/L	0	WA
1,4-Dichlorobenzene				4.22	1	J	ug/L	0	WA
1,4-Dichlorobenzene		3.51	4.53	5.7	1		ug/L	0	EX
2-Hexanone				<5	1	U	ug/L	0	EX
2-Hexanone		<10	<10	<10	1	U	ug/L	0	WA

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WELL: LFW 48C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Acetone				<5	1	U	ug/L	0	EX
		Acetone		<10	<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)		<20	<20	<20	1	U	ug/L	0	WA
		Acrolein				<5	1	U	ug/L	0	EX
		Acrolein		<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile		<5	<5	<5	1	U	ug/L	0	EX
		Acrylonitrile		<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride		<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable				<10	1	U	ug/L	0	EX
		Arsenic, total recoverable		<40	<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable				42.6	1		ug/L	0	WA
		Barium, total recoverable		29.1	25.9	43.3	1		ug/L	0	EX
		Benzene		<5	<5	<5	1	U	ug/L	0	EX
		Benzene		<5	<5	<5	1	U	ug/L	0	WA
		Bromochloromethane				<5	1	U	ug/L	0	EX
		Bromodichloromethane		<5	<5	<5	1	U	ug/L	0	EX
		Bromodichloromethane		<5	<5	<5	1	U	ug/L	0	WA
		Bromoform		<5	<5	<5	1	U	ug/L	0	EX
		Bromoform		<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)				<5	1	U	ug/L	0	EX
		Bromomethane (Methyl bromide)		<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable				<4.7	1	U	ug/L	0	WA
		Cadmium, total recoverable		<4.7	<4.7	<5	1	U	ug/L	0	EX
		Carbon disulfide		<5	<5	<5	1	U	ug/L	0	EX
		Carbon disulfide		<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride		<5	<5	<5	1	U	ug/L	0	EX
		Carbon tetrachloride		<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene		<5	<5	<5	1	U	ug/L	0	EX
		Chlorobenzene		<5	<5	<5	1	U	ug/L	0	WA
		Chloroethane				<5	1	U	ug/L	0	EX
		Chloroethane		<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)				1.93	1	J	ug/L	1	WA
		Chloroethene (Vinyl chloride)		<10	<10	<5	1	U	ug/L	0	EX
		Chloroform		<5	<5	<5	1	U	ug/L	0	EX
		Chloroform		<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)				<5	1	U	ug/L	0	EX
		Chloromethane (Methyl chloride)		<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene		<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable				<1.3	1	U	ug/L	0	WA
		Chromium, total recoverable		<7	<7	<10	1	U	ug/L	0	EX
		Dibromochloromethane		<5	<5	<5	1	U	ug/L	0	EX
		Dibromochloromethane		<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)		<5	<5	<5	1	U	ug/L	0	EX

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 48C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dibromomethane (Methylene bromide)	<5	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane				<5	1	U	ug/L	0	EX
		Dichlorodifluoromethane	<10	<10	<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)				<1.59	1	U	ug/L	0	EX
		Dichloromethane (Methylene chloride)	<3.84	<8.93	<7.54	<7.54	1	U	ug/L	0	WA
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	0	EX
		Ethylbenzene	<5	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha				1.55	1	J	pCi/L	0	TM
		Gross alpha				<1.56	1	UI	pCi/L	0	ES
		Gross alpha	1.3	2.08	3.98	3.98	1		pCi/L	0	TM
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	0	EX
		Iodomethane (Methyl iodide)	<5	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<100	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable				<5	1	U	ug/L	0	EX
		Lead, total recoverable	<47	<47		5.6	1	J	ug/L	0	WA
+		Mercury, total recoverable				2.08	1		ug/L	2	WA
+		Mercury, total recoverable	1.73	1.93	2.27	2.27	1		ug/L	2	EX
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl ethyl ketone				<2.82	1	J	ug/L	0	EX
		Methyl ethyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone				<5	1	U	ug/L	0	EX
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Propionitrile	<50	<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable				<10	1	U	ug/L	0	EX
		Selenium, total recoverable	<66	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable				<1.5	1	U	ug/L	0	WA
		Silver, total recoverable	<5	<5	<20	<20	1	U	ug/L	0	EX
		Styrene	<5	<5	<5	<5	1	U	ug/L	0	EX
		Styrene	<5	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	0	EX
		Tetrachloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<5	<5	<5	<5	1	U	ug/L	0	EX
		Toluene	<5	<5	<5	<5	1	U	ug/L	0	WA
		Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	0	EX
		Trichloroethylene	<5	<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	0	EX
		Trichlorofluoromethane	<5	<5	<5	<5	1	U	ug/L	0	WA
		Tritium				2.2	1		pCi/ml	0	ES
		Tritium				2.32	1		pCi/ml	0	TM
		Tritium	3.21	2.44	2.48	2.48	1		pCi/ml	0	TM
		Vinyl acetate				<5	1	U	ug/L	0	EX
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<5	<5	<5	<5	1	U	ug/L	0	WA

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WELL: LFW 48C
ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
cis-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	EX
cis-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
m/p-Xylene				<10	1	U	ug/L	0	EX
o-Xylene				<5	1	U	ug/L	0	EX
trans-1,2-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	EX
trans-1,2-Dichloroethylene		<5	<5	<5	1	U	ug/L	0	WA
trans-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	EX
trans-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
trans-1,4-Dichloro-2-butene		<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 48D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 83856.9	33.285 Deg N	155.0 - 134.9 ft msl	169.5 ft msl	4" PVC	S	U Steed Pond
E 45426.7	81.710 Deg W					

SAMPLE DATE 03/06/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		146.75			ft msl
Depth to water		20.75			ft
pH		6.2			pH
Sp. Conductance		220			uS/cm
Water temperature		24			deg. C
Alkalinity as CaCO3		121			mg/L
Turbidity		2.6			NTU
Volumes purged		8.3649			well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1-Trichloroethane		<1				ug/L		
Aluminum, total recoverable		<81.9				ug/L		
Arsenic, total recoverable		<40				ug/L		
Cadmium, total recoverable		<4.7				ug/L		
Carbon tetrachloride		<1				ug/L		
Chloroform		<1				ug/L		
Gross alpha		5.46				pCi/L		
Iron, total recoverable		46400				ug/L		
Lead, total recoverable		<47				ug/L		
Manganese, total recoverable		14.9				ug/L		
Mercury, total recoverable		<.7				ug/L		
Nitrate-nitrite as nitrogen		88				ug/L		
Nonvolatile beta		10.6				pCi/L		
Tetrachloroethylene		<1				ug/L		
Total organic halogens		115				ug/L		
Trichloroethylene		<1				ug/L		
Tritium		2.07				pCi/ml		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 56D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83398.0 E 45306.6	33.284 Deg N 81.709 Deg W	151.4 - 131.3 ft msl	158.1 ft msl	4" PVC	S	U Steed Pond

SAMPLE DATE	12/05/96	03/07/97	06/05/97	09/09/97

FIELD DATA

Analyte	1Q97	2Q97	3Q97	4Q97	Unit
Water Elevation	142.57	142.95	142.3	142.3	ft msl
Depth to water	13.33	12.95	13.6	13.6	ft
pH	4.4	4.2	4.8	4.9	pH
Sp. Conductance	22	34	16	17	uS/cm
Water temperature	21	15	20	20.9	deg. C
Alkalinity as CaCO3	1	1	2	3	mg/L
Turbidity	1.8	2.8	3	1	NTU
Volumes purged	7.0165	7.2642	7.1600	2.8871	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	EX
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2			<5	1	U	ug/L	0	EX
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	EX
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	EX
1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
2,4,5-TP (Silvex)	<.025						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 56D

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone				<5	1	U	ug/L	0	EX
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone				<5	1	U	ug/L	0	EX
Acetone	<10	<10	<3.29	<10	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein				<5	1	U	ug/L	0	EX
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	EX
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable				<10	1	U	ug/L	0	EX
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable				6.3	1		ug/L	0	WA
Barium, total recoverable	7.08	6	5.5	<6.94	1	U	ug/L	0	EX
Benzene	<2	<5	<5	<5	1	U	ug/L	0	EX
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2			<5	1	U	ug/L	0	EX
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	EX
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	EX
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)				<5	1	U	ug/L	0	EX
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable				<4.7	1	U	ug/L	0	WA
Cadmium, total recoverable	<2	<4.7	<4.7	<5	1	U	ug/L	0	EX
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	EX
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	EX
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	EX
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane				<5	1	U	ug/L	0	EX
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)				<5	1	U	ug/L	0	EX
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	EX
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)				<5	1	U	ug/L	0	EX
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 56D

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
Chromium, total recoverable				<.99	1	U	ug/L	0	WA
Chromium, total recoverable	.953	1.1	<7	<10	1	U	ug/L	0	EX
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	EX
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	EX
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane				<5	1	U	ug/L	0	EX
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)				<5	1	U	ug/L	0	EX
Dichloromethane (Methylene chloride)	<10	<1.98	<2.84	<6.83	1	U	ug/L	0	WA
Endrin	<.05						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	EX
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha				<.76	1	UI	pCi/L	0	ES
Gross alpha	<.559	<.251	.48	<1.06	1	UI	pCi/L	0	TM
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	EX
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable				<5	1	U	ug/L	0	EX
Lead, total recoverable	4.94	<47	<47	5.1	1	J	ug/L	0	WA
Lindane	<.025						ug/L		
Mercury, total recoverable				<.5	1	U	ug/L	0	EX
Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone				<5	1	U	ug/L	0	EX
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone				<5	1	U	ug/L	0	EX
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nonvolatile beta	1.96						pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Radium-228	<.36						pCi/L		
Selenium, total recoverable				<10	1	U	ug/L	0	EX
Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
Silver, total recoverable				<5	1	U	ug/L	0	WA
Silver, total recoverable	<2	<5	<5	<20	1	U	ug/L	0	EX
Styrene	<2	<5	<5	<5	1	U	ug/L	0	EX
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	EX
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<2	<5	<5	<5	1	U	ug/L	0	EX
Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

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WELL: LFW 56D
ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
Toxaphene	<1						ug/L		
Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	EX
Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	EX
Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Tritium				1.17	1		pCi/ml	0	TM
Tritium	<-5.47	1.57	<1.41	1.21	1		pCi/ml	0	ES
Vinyl acetate				<5	1	U	ug/L	0	EX
Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
cis-1,2-Dichloroethylene	<2						ug/L		
cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	EX
cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
m/p-Xylene				<10	1	U	ug/L	0	EX
o-Xylene				<5	1	U	ug/L	0	EX
trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	EX
trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	EX
trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
 * = exceeded holding time for fourth quarter 1997.
 + = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 58D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82940.6 E 45700.2	33.284 Deg N 81.708 Deg W	147.6 - 127.5 ft msl	167.6 ft msl	4" PVC	S	U Steed Pond

<u>SAMPLE DATE</u>	12/02/96	03/06/97	06/05/97	09/09/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	139.25	139.91	138.85	139	ft msl
Depth to water	26.35	25.69	26.75	26.6	ft
pH	5.6	5	5.4	5.2	pH
Sp. Conductance	300	260	220	240	uS/cm
Water temperature	25	24	21	19	deg. C
Alkalinity as CaCO3	43	55	39	2	mg/L
Turbidity	.7	.4	1.9	1.1	NTU
Volumes purged	6.3193	4.2315	2.2837	6.6621	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
	1,1,1,2-Tetrachloroethane		<5	<5	<5	1	U	ug/L	0	WA
	1,1,1-Trichloroethane	3.7	3.52	3.26	3.03	1	J	ug/L	0	WA
	1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
	1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
+	1,1-Dichloroethane	122	105	106	107	1		ug/L	2	WA
	1,1-Dichloroethylene	4.2	2.92	2.76	2.13	1	J	ug/L	0	WA
	1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
	1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
	1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
	1,2-Dichlorobenzene	2.6						ug/L		
	1,2-Dichloroethane	4.8	4.64	3.95	3.21	1	J	ug/L	1	WA
	1,2-Dichloropropane	1.9	2.12	1.71	1.38	1	J	ug/L	0	WA
	1,3-Dichlorobenzene	<2						ug/L		
+	1,4-Dichlorobenzene	94	120	144	84.4	1		ug/L	2	WA
	2,4,5-TP (Silvex)	<						ug/L		
	2,4-Dichlorophenoxyacetic acid	<						ug/L		
	2-Chloroethyl vinyl ether	<10						ug/L		
	2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
	Acetone	11.9	<10	<3.22	<10	1	U	ug/L	0	WA
	Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
	Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
	Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
	Aldrin	<.025						ug/L		
	Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
	Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
	Arsenic, total recoverable		4.5					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

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WELL: LFW 58D
ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	6.57	6.7	5.7	5.1	1		ug/L	0	WA
		Barium, total recoverable		6.6					ug/L		
+		Benzene	9.6	10.6	8.36	7.94	1		ug/L	2	WA
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable		<4.7	.55	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	1.51	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	20.1	23.3	19.8	15.8	1		ug/L	0	WA
		Chloroethane	4.7	4.74	<10	2.18	1	J	ug/L	0	WA
+		Chloroethene (Vinyl chloride)	36.7	55.7	45.5	35.3	1		ug/L	2	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	<4	<7	.99	<1	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
+		Dichlorodifluoromethane	20.4	19.3	17.8	23.1	1		ug/L	2	WA
		Dichloromethane (Methylene chloride)		<40.3	41.5	<30.5	1	U	ug/L	0	WA
		Dieldrin	<.05						ug/L		
		Endrin	<.05						ug/L		
		Ethylbenzene	1.2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	7.47	2.24	5.22	3.69	1		pCi/L	0	TM
		Heptachlor	<.05						ug/L		
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	<5	<47	5	<47	1	U	ug/L	0	WA
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<11.5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nitrate-nitrite as nitrogen	350						ug/L		
		Nonvolatile beta	<4.61						pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Radium-226	2.16						pCi/L		
		Radium-228	2.17						pCi/L		
		Selenium, total recoverable	2.07	<66	<66	<66	1	U	ug/L	0	WA

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WELL: LFW 58D
ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Silver, total recoverable	<2	<.5	<5	<1	1	U	ug/L	0	WA
		Silver, total recoverable		<.62					ug/L		
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	4.5	4.54	3.26	3.19	1	J	ug/L	1	WA
		Toluene	<2	1.42	<5	<5	1	U	ug/L	0	WA
		Total organic carbon	7100						ug/L		
		Total organic carbon	7110						ug/L		
		Toxaphene	<1						ug/L		
+		Trichloroethylene	18.6	16.6	12.8	12.5	1		ug/L	2	WA
+		Trichlorofluoromethane	53.1	50.5	82.8	39.3	1		ug/L	2	WA
		Tritium	<-13.2	15.9	13.46	12.27	1		pCi/ml	1	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	20.9	22.2	13.4	12.1	1		ug/L	0	WA
		cis-1,2-Dichloroethylene	59.7						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		p,p"-DDT	<.1						ug/L		
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 59D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83000.1	33.284 Deg N	149.3 - 129.3 ft msl	167.6 ft msl	4" PVC	S	U Steed Pond
E 46056.1	81.707 Deg W					

SAMPLE DATE	12/02/96	03/06/97	06/09/97	09/30/97

FIELD DATA

Analyte	1Q97	2Q97	3Q97	4Q97	Unit
Water Elevation	139.6	141.68	139.6	139.89	ft msl
Depth to water	25.7	23.62	25.7	25.41	ft
pH	4.4	4.2	4.8	4.7	pH
Sp. Conductance	36	42	40	25	uS/cm
Water temperature	24	24	30	21.6	deg. C
Alkalinity as CaCO ₃	0	0	0	0	mg/L
Turbidity	.5	2	1.2	4.7	NTU
Volumes purged	14.276	7.2689	8.2269	4.3757	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane		19.8	10.1	15.3	1		ug/L	0	WA
1,1,1-Trichloroethane		19.1	10.5	15.6	1		ug/L	0	WA
1,1,1-Trichloroethane	22.5	21	9.33	15.8	1		ug/L	0	WA
1,1,1-Trichloroethane		20.2					ug/L		
1,1,1-Trichloroethane		20.4					ug/L		
1,1,2,2-Tetrachloroethane		<1.5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane		<5					ug/L		
1,1,2-Trichloroethane	<2	<2.8	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane		<5					ug/L		
+ 1,1-Dichloroethane		48.3	46.7	42.3	1		ug/L	2	WA
+ 1,1-Dichloroethane		50.8	49.1	43.5	1		ug/L	2	WA
+ 1,1-Dichloroethane	88	49	43.9	43.9	1		ug/L	2	WA
1,1-Dichloroethane		48.7					ug/L		
1,1-Dichloroethane		50.3					ug/L		
1,1-Dichloroethylene	5.2	<3.2	1.87	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene		1.93	1.81				ug/L		
1,1-Dichloroethylene		2					ug/L		
1,1-Dichloroethylene		2.45					ug/L		
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	<2.5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloroethane		<5					ug/L		
1,2-Dichloropropane	2	<2	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 59D
ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,2-Dichloropropane		<5					ug/L		
1,4-Dichlorobenzene	<2	<4	1.65	<5	1	U	ug/L	0	WA
1,4-Dichlorobenzene			1.72				ug/L		
1,4-Dichlorobenzene			1.99				ug/L		
1,4-Dioxane		<100					ug/L		
2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone		<10	<10	<10	1	U	ug/L	0	WA
Acetone		<3.25		<4.9	1	U	ug/L	0	WA
Acetone	<10	<9	<10	<10	1	U	ug/L	0	WA
Acetone		<5.13					ug/L		
Acetone		<10					ug/L		
Acetonitrile (Methyl cyanide)	<10	<10	<20	<20	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)		<20					ug/L		
Acrolein	<20	<100	<20	<20	1	U	ug/L	0	WA
Acrolein		<20					ug/L		
Acrylonitrile	<50	<20	<5	<5	1	U	ug/L	0	WA
Acrylonitrile		<5					ug/L		
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable	<5	<8	<40	<40	1	U	ug/L	0	WA
Arsenic, total recoverable		<40					ug/L		
Barium, total recoverable		5.3		4.1	1		ug/L	0	WA
Barium, total recoverable	5.82	5.9	5.7	4.4	1		ug/L	0	WA
Barium, total recoverable		5.6					ug/L		
Benzene	<2	<2.2	1.26	<5	1	U	ug/L	0	WA
Benzene		<5	1.27				ug/L		
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromodichloromethane		<2.2					ug/L		
Bromoform		<2.6	<5	<5	1	U	ug/L	0	WA
Bromoform		<5					ug/L		
Bromomethane (Methyl bromide)	<2	<3.5	<10	<10	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)		<10					ug/L		
Cadmium, total recoverable	<.122	<2	<4.7	<4.7	1	U	ug/L	0	WA
Cadmium, total recoverable		<4.7					ug/L		
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	2.5	<2.6	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride		<5					ug/L		
Chlorobenzene	<2	<1.4	<5	<5	1	U	ug/L	0	WA
Chlorobenzene		<5					ug/L		
Chloroethane	<2	<8.2	<10	<10	1	U	ug/L	0	WA
Chloroethane		<10					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 59D

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
Chloroethene (Vinyl chloride)	<2	<4.6	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)		<10					ug/L		
Chloroform	<2	<2.5	<5	<5	1	U	ug/L	0	WA
Chloroform		<5					ug/L		
Chloromethane (Methyl chloride)	<2	<4.4	<10	<10	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)		<10					ug/L		
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable		.75		<1.4	1	U	ug/L	0	WA
Chromium, total recoverable	<4	<3	<7	<1.8	1	U	ug/L	0	WA
Chromium, total recoverable		1.2					ug/L		
Dibromochloromethane	<2	<2.3	<5	<5	1	U	ug/L	0	WA
Dibromochloromethane		<5					ug/L		
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
+ Dichlorodifluoromethane		28.6	38.4	11.3	1		ug/L	2	WA
+ Dichlorodifluoromethane		20.3	39.5	12.5	1		ug/L	2	WA
+ Dichlorodifluoromethane	<2	<5	35.1	13.1	1		ug/L	2	WA
Dichlorodifluoromethane		22					ug/L		
Dichlorodifluoromethane		23					ug/L		
Dichloromethane (Methylene chloride)		<10.3	<21.7	<3.61	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)		<13.6	<23.5	<4.15	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	24.3	<6.4	<21.1	<7.78	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)		<6.15					ug/L		
Dichloromethane (Methylene chloride)		<10.9					ug/L		
Endrin	<.05						ug/L		
Ethyl methacrylate		<5					ug/L		
Ethylbenzene	<2	<1.3	<5	<5	1	U	ug/L	0	WA
Ethylbenzene		<5					ug/L		
Gross alpha			<1.08				pCi/L		
Gross alpha			2.01				pCi/L		
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	1.69	<5	<47	<47	1	U	ug/L	0	WA
Lead, total recoverable		<47					ug/L		
Lindane	<.025						ug/L		
Mercury, total recoverable	.147	<.2	<.7	<.7	1	U	ug/L	0	WA
Mercury, total recoverable	.157	<.7					ug/L		
Methacrylonitrile	<10	<5	<10	<10	1	U	ug/L	0	WA
Methacrylonitrile		<10					ug/L		
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<12	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone		<10					ug/L		
Methyl methacrylate	<10	<5					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

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WELL: LFW 59D

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Nitrate-nitrite as nitrogen	500						ug/L		
		Nonvolatile beta	<1.7						pCi/L		
		Pentachloroethane		<5					ug/L		
		Propionitrile	<20	<5	<50	<50	1	U	ug/L	0	WA
		Propionitrile		<50					ug/L		
		Radium-226	1.46						pCi/L		
		Radium-228	1.29						pCi/L		
		Selenium, total recoverable	<5	<5	<66	<66	1	U	ug/L	0	WA
		Selenium, total recoverable		<66					ug/L		
		Silver, total recoverable	<2	3	<5	<5	1	U	ug/L	0	WA
		Silver, total recoverable		<.69					ug/L		
		Silver, total recoverable		<1.1					ug/L		
		Styrene	<2	<.5	<5	<5	1	U	ug/L	0	WA
		Styrene		<5					ug/L		
+		Tetrachloroethylene		18.9	13.3	8.25	1		ug/L	2	WA
+		Tetrachloroethylene		18.3	13.5	8.44	1		ug/L	2	WA
+		Tetrachloroethylene	34.2	19	12.3	8.46	1		ug/L	2	WA
		Tetrachloroethylene		18.2					ug/L		
		Tetrachloroethylene		18.5					ug/L		
		Toluene	<2	<1.7	<5	<5	1	U	ug/L	0	WA
		Toluene		<5					ug/L		
		Toxaphene	<1						ug/L		
+		Trichloroethylene		29	26.2	9.79	1		ug/L	2	WA
+		Trichloroethylene	72.2	30	26.4	9.81	1		ug/L	2	WA
		Trichloroethylene		28.6					ug/L		
		Trichloroethylene		29.7					ug/L		
		Trichlorofluoromethane	68.7	63	68.3	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane			72.8				ug/L		
		Trichlorofluoromethane			76.4				ug/L		
		Tritium	<-3.2	2.81	4.89	<1.58	1	U	pCi/ml	0	TM
		Tritium		2.72	4.24				pCi/ml		
		Tritium		2.31					pCi/ml		
		Tritium		2.73					pCi/ml		
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<3.7	2.84	<5	1	U	ug/L	0	WA
		Xylenes			2.9				ug/L		
		Xylenes			3.17				ug/L		
		cis-1,2-Dichloroethylene	53.3						ug/L		
		cis-1,3-Dichloropropene	<2	<2	<5	<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5					ug/L		
		trans-1,2-Dichloroethylene	<2	<3.2	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene		<5					ug/L		
		trans-1,3-Dichloropropene	<2	<1.6	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

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WELL: LFW 59D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,3-Dichloropropene		<5					ug/L		
		trans-1,4-Dichloro-2-butene	<2	<5	<20	<20	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

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WELL: LFW 60C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82529.6 E 45711.9	33.283 Deg N 81.707 Deg W	108.3 - 98.3 ft msl	157.2 ft msl	2" PVC	V	M Steed Pond

<u>SAMPLE DATE</u>	12/03/96	03/05/97	06/10/97	09/09/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	142.42	135.7	135.2	135.1	ft msl
Depth to water	12.68	19.4	19.9	20	ft
pH	5.2	5.6	5.8	5.8	pH
Sp. Conductance	94	120	100	100	uS/cm
Water temperature	23	28	25	20	deg. C
Alkalinity as CaCO3	7	3	42	23	mg/L
Turbidity	.9	.5	2.1	1	NTU
Volumes purged	3.5620	2.3155	5.0031	4.3890	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	1	1.41	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
+ 1,1-Dichloroethane	21.2	30.3	17.5	17	1		ug/L	2	WA
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	1.93	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	16.3	24.8	11	19.9	1		ug/L	0	WA
2,4,5-TP (Silvex)	.063						ug/L		
2,4-Dichlorophenoxyacetic acid	.044						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	12.5	13.5	8.5	8.2	1		ug/L	0	WA
Benzene	1.1	2.38	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
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WELL: LFW 60C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	<.256	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	2	3.96	1.9	1.76	1	J	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
+		Chloroethene (Vinyl chloride)	<2	9.15	5.37	4.39	1	J	ug/L	2	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	<4	1.4	<7	<1.8	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	3.66	2.64	2	1	J	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<11.2	<12	<7.31	<7.67	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	1.76	1.7	2.24	2.08	1	J	pCi/L	0	TM
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	1.67	<47	<47	<47	1	U	ug/L	0	WA
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nitrate-nitrite as nitrogen	880						ug/L		
		Nonvolatile beta	<.878						pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Radium-226	1.66						pCi/L		
		Radium-228	.915						pCi/L		
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<5	<5	<1	1	U	ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<1						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 60C
ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Trichloroethylene	3.8	6.26	2.66	2.27	1	J	ug/L	0	WA
Trichlorofluoromethane	19.1	31.3	12.8	4.98	1	J	ug/L	0	WA
Tritium	<-4.19	3.45	2.63	2.54	1		pCi/ml	0	TM
Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
Xylenes	4.6	11.9	1.13	2.81	1	J	ug/L	0	WA
cis-1,2-Dichloroethylene	24						ug/L		
cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
 * = exceeded holding time for fourth quarter 1997.
 + = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 60D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82531.5	33.283 Deg N	143.8 - 123.8 ft msl	157.1 ft msl	4" PVC	S	U Steed Pond
E 45722.3	81.707 Deg W					

SAMPLE DATE	12/05/96	03/06/97	06/02/97	09/04/97

FIELD DATA

Analyte	1097	2097	3097	4097	Unit
Water Elevation	135.91	136.3	135.85	136	ft msl
Depth to water	19.29	18.9	19.35	19.2	ft
pH	4.8	4	4.6	4.8	pH
Sp. Conductance	24	30	26	28	uS/cm
Water temperature	20	19	30	22	deg. C
Alkalinity as CaCO3	1	0	6	2	mg/L
Turbidity	1.8	.8	12.1	15.5	NTU
Volumes purged	4.8963	4.4461	.10928	.10811	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1097	2097	3097	4097	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	2.9	2.55	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
+ 1,1-Dichloroethane	21.5	23	17.3	19.9	1		ug/L	2	WA
1,1-Dichloroethylene	1	1.02	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	3.2	7.79	<5	<5	1	U	ug/L	0	WA
2,4,5-TP (Silvex)	<.025						ug/L		
2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<10	<10	<10	<6.12	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	8.57	9.3	10.1	10.5	1		ug/L	0	WA
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 60D
ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	<2	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2	1.77	<10	<10	1	U	ug/L	0	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	1.1	<7	2.3	7.3	1		ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	7.74	2.9	7.72	1	J	ug/L	1	WA
		Dichloromethane (Methylene chloride)	<6.4	<10.4	<8.86	<5.25	1	U	ug/L	0	WA
		Endrin	<.049						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	1.17	<.605	.97				pCi/L		
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	3.92	<47	6.1	11	1	J	ug/L	0	WA
		Lindane	<.025						ug/L		
+		Mercury, total recoverable	1.46	.12	.531	2.04	1		ug/L	2	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.495						ug/L		
		Methyl ethyl ketone	<5	<6.34	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nonvolatile beta	<.824						pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Radium-228	<.454						pCi/L		
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<.62	<5	<5	1	UJ	ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	1.2	1.08	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<.99						ug/L		
		Trichloroethylene	6	6.21	3.78	3.56	1	J	ug/L	1	WA
+		Trichlorofluoromethane	25.7	26.8	15.5	14.3	1		ug/L	2	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 60D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium	<-1.57	4.41	3.88				pCi/ml		
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	1.2	2.72	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	12.8						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
 * = exceeded holding time for fourth quarter 1997.
 + = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 61D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 83089.1 E 46471.1	33.285 Deg N 81.706 Deg W	150.4 - 130.3 ft msl	168.3 ft msl	4" PVC	S	U Steed Pond

SAMPLE DATE 06/09/97 09/10/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation			140.55	140.75	ft msl
Depth to water			25.85	25.65	ft
pH			6.2	6	pH
Sp. Conductance			160	380	uS/cm
Water temperature			24	20	deg. C
Alkalinity as CaCO3			100		mg/L
Turbidity			3.6	1.9	NTU
Volumes purged			7.9042	12.220	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane			<5	<10	2	U	ug/L	0	WA
		1,1,1-Trichloroethane			<5	<10	2	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane			<5	<10	2	U	ug/L	0	WA
		1,1,2-Trichloroethane			<5	<10	2	U	ug/L	0	WA
+		1,1-Dichloroethane			47.9	80.4	2		ug/L	2	WA
		1,1-Dichloroethylene			1.38	<10	2	U	ug/L	0	WA
		1,2,3-Trichloropropane			<5	<10	2	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane			<5	<10	2	U	ug/L	0	WA
		1,2-Dibromoethane			<5	<10	2	U	ug/L	0	WA
		1,2-Dichloroethane			<5	<10	2	U	ug/L	0	WA
		1,2-Dichloropropane			<5	3.02	2	J	ug/L	1	WA
		1,4-Dichlorobenzene			1.16	8.94	2	J	ug/L	0	WA
		2-Hexanone			<10	<20	2	U	ug/L	0	WA
		Acetone			<10	215	2		ug/L	0	WA
		Acetonitrile (Methyl cyanide)			<20	<40	2	U	ug/L	0	WA
		Acrolein			<20	<40	2	U	ug/L	0	WA
		Acrylonitrile			<5	<10	2	U	ug/L	0	WA
		Allyl chloride			<10	<20	2	U	ug/L	0	WA
		Arsenic, total recoverable			12	15	1	J	ug/L	0	WA
		Barium, total recoverable			4.4	5.2	1		ug/L	0	WA
		Benzene			<5	2.62	2	J	ug/L	1	WA
		Bromodichloromethane			<5	<10	2	U	ug/L	0	WA
		Bromoform			<5	<10	2	U	ug/L	0	WA
		Bromomethane (Methyl bromide)			<10	<20	2	U	ug/L	0	WA
		Cadmium, total recoverable			<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide			<5	<10	2	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 61D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon tetrachloride			<5	<10	2	U	ug/L	0	WA
		Chlorobenzene			<5	<10	2	U	ug/L	0	WA
		Chloroethane			<10	<20	2	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)			<10	<20	2	U	ug/L	0	WA
		Chloroform			<5	<10	2	U	ug/L	0	WA
		Chloromethane (Methyl chloride)			<10	<20	2	U	ug/L	0	WA
		Chloroprene			<5	<10	2	U	ug/L	0	WA
		Chromium, total recoverable			<7	<7	1	U	ug/L	0	WA
		Dibromochloromethane			<5	<10	2	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)			<5	<10	2	U	ug/L	0	WA
+		Dichlorodifluoromethane			26.6	39.1	2		ug/L	2	WA
		Dichloromethane (Methylene chloride)			<13.9	<9.96	2	U	ug/L	0	WA
		Ethylbenzene			4.35	47.5	2		ug/L	0	WA
		Gross alpha				3.23	1		pCi/L	0	TM
		Gross alpha			<.95	3.33	1		pCi/L	0	TM
		Iodomethane (Methyl iodide)			<5	<10	2	U	ug/L	0	WA
		Isobutyl alcohol			<100	<200	2	U	ug/L	0	WA
		Lead, total recoverable			<47	<47	1	U	ug/L	0	WA
		Mercury, total recoverable			<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile			<10	<20	2	U	ug/L	0	WA
		Methyl ethyl ketone				<	2	L	ug/L	0	WA
		Methyl isobutyl ketone			<10	<355	2		ug/L	0	WA
		Propionitrile			<50	<100	2	U	ug/L	0	WA
		Selenium, total recoverable			<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable			<5	<5	1	U	ug/L	0	WA
		Styrene			<5	<10	2	U	ug/L	0	WA
+		Tetrachloroethylene			4.5	7.05	2	J	ug/L	2	WA
		Toluene			1.28	19.7	2		ug/L	0	WA
+		Trichloroethylene			17.6	25.1	2		ug/L	2	WA
+		Trichlorofluoromethane			27.1	25.7	2		ug/L	2	WA
		Tritium				2.84	1		pCi/ml	0	TM
		Tritium			3.46	3.95	1		pCi/ml	0	TM
		Vinyl acetate			<10	<20	2	U	ug/L	0	WA
		Xylenes			28.4	201	2		ug/L	0	WA
		cis-1,3-Dichloropropene			<5	<10	2	U	ug/L	0	WA
		trans-1,2-Dichloroethylene			<5	<10	2	U	ug/L	0	WA
		trans-1,3-Dichloropropene			<5	<10	2	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene			<20	<40	2	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 62C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83012.7	33.284 Deg N	118.4 - 108.4 ft msl	165.5 ft msl	4" PVC	S	M Steed Pond
E 45906.7	81.707 Deg W					

SAMPLE DATE 06/09/97 09/09/97

FIELD DATA

Analyte	1Q97	2Q97	3Q97	4Q97	Unit
Water Elevation			139.7	139.4	ft msl
Depth to water			23.7	24	ft
pH			4.6	4.4	pH
Sp. Conductance			70	86	uS/cm
Water temperature			26	20	deg. C
Alkalinity as CaCO3			0	0	mg/L
Turbidity			.7	1.8	NTU
Volumes purged			2.5559	5.1120	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane			<5	<5	1	U	ug/L	0	WA
+		1,1-Dichloroethane			42	49.1	1		ug/L	2	WA
		1,1-Dichloroethylene			<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane			<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane			<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane			<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethane			<5	4.31	1	J	ug/L	1	WA
		1,2-Dichloropropane			<5	<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene			32.3	30.3	1		ug/L	0	WA
		2-Hexanone			<10	<10	1	U	ug/L	0	WA
		Acetone			<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)			<20	<20	1	U	ug/L	0	WA
		Acrolein			<20	<20	1	U	ug/L	0	WA
		Acrylonitrile			<5	<5	1	U	ug/L	0	WA
		Allyl chloride			<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable			<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable			8.7	9.4	1		ug/L	0	WA
		Benzene			2.45	2.69	1	J	ug/L	1	WA
		Bromodichloromethane			<5	<5	1	U	ug/L	0	WA
		Bromoform			<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)			<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable			<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide			<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 62C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon tetrachloride			<5	<5	1	U	ug/L	0	WA
		Chlorobenzene			<5	.992	1	J	ug/L	0	WA
		Chloroethane			<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)			<10	1.02	1	J	ug/L	1	WA
		Chloroform			<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)			<10	<10	1	U	ug/L	0	WA
		Chloroprene			<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable			<7	<1.3	1	U	ug/L	0	WA
		Dibromochloromethane			<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)			<5	<5	1	U	ug/L	0	WA
+		Dichlorodifluoromethane			12	14.6	1		ug/L	2	WA
		Dichloromethane (Methylene chloride)			<24	<26.6	1	U	ug/L	0	WA
		Ethylbenzene			<5	<5	1	U	ug/L	0	WA
		Gross alpha			3.29	6.18	1		pCi/L	0	TM
		Iodomethane (Methyl iodide)			<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol			<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable			<47	<47	1	U	ug/L	0	WA
+		Mercury, total recoverable			17.1	6.5	1		ug/L	2	WA
		Methacrylonitrile			<10	<10	1	U	ug/L	0	WA
		Methyl ethyl ketone			<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone			<10	<10	1	U	ug/L	0	WA
		Propionitrile			<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable			<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable			<5	<1.5	1	U	ug/L	0	WA
		Styrene			<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene			1.19	1.53	1	J	ug/L	0	WA
		Toluene			<5	<5	1	U	ug/L	0	WA
+		Trichloroethylene			12.1	11.7	1		ug/L	2	WA
		Trichlorofluoromethane			3.74	2.83	1	J	ug/L	0	WA
		Tritium			16.18	19.22	1		pCi/ml	1	TM
		Vinyl acetate			<10	<10	1	U	ug/L	0	WA
		Xylenes			1.13	3.04	1	J	ug/L	0	WA
		cis-1,3-Dichloropropene			<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene			<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene			<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene			<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 62D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82991.6	33.284 Deg N	147.6 - 127.6 ft msl	164.8 ft msl	4" PVC	S	U Steed Pond
E 45922.9	81.707 Deg W					

SAMPLE DATE 06/09/97 09/10/97

FIELD DATA

<u>Analyte</u>	<u>1097</u>	<u>2097</u>	<u>3097</u>	<u>4097</u>	<u>Unit</u>
Water Elevation			139.8	140	ft msl
Depth to water			22.8	22.6	ft
pH			5	4.2	pH
Sp. Conductance			160	180	uS/cm
Water temperature			25	21	deg. C
Alkalinity as CaCO3			5	0	mg/L
Turbidity			3.5	34.6	NTU
Volumes purged			3.1758	0	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	<u>1097</u>	<u>2097</u>	<u>3097</u>	<u>4097</u>	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane			<5	3.5	1	J	ug/L	0	WA
		1,1,2,2-Tetrachloroethane			<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane			<5	<5	1	U	ug/L	0	WA
+		1,1-Dichloroethane			141	110	1		ug/L	2	WA
		1,1-Dichloroethylene			3.26	2.52	1	J	ug/L	0	WA
		1,2,3-Trichloropropane			<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane			<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane			<5	<5	1	U	ug/L	0	WA
+		1,2-Dichloroethane			<5	5.08	1		ug/L	2	WA
		1,2-Dichloropropane			<5	1.65	1	J	ug/L	0	WA
+		1,4-Dichlorobenzene			128	98	1		ug/L	2	WA
		2-Hexanone			<10	<10	1	U	ug/L	0	WA
		Acetone			<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)			<20	<20	1	U	ug/L	0	WA
		Acrolein			<20	<20	1	U	ug/L	0	WA
		Acrylonitrile			<5	<5	1	U	ug/L	0	WA
		Allyl chloride			<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable			<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable			7.6	8.2	1		ug/L	0	WA
+		Benzene			31	22.7	1		ug/L	2	WA
		Bromodichloromethane			<5	<5	1	U	ug/L	0	WA
		Bromoform			<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)			<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable			<4.7	<4.7	1	U	ug/L	0	WA
+		Carbon disulfide			<5	25.1	1		ug/L	2	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 62D

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Carbon tetrachloride			<5	<5	1	U	ug/L	0	WA
		Chlorobenzene			20.1	20.3	1		ug/L	0	WA
		Chloroethane			<4.32	4.11	1	J	ug/L	0	WA
+		Chloroethene (Vinyl chloride)			23.8	19	1		ug/L	2	WA
		Chloroform			<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)			<10	<10	1	U	ug/L	0	WA
		Chloroprene			<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable			1.2	14.5	1		ug/L	0	WA
		Dibromochloromethane			<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)			<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane			24.2	<10	1	U	ug/L	0	WA
+		Dichloromethane (Methylene chloride)			<56	30.1	1		ug/L	2	WA
		Ethylbenzene			<5	<5	1	U	ug/L	0	WA
		Gross alpha			3.79	13.4	1		pCi/L	1	TM
		Iodomethane (Methyl iodide)			<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol			<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable			<47	19.1	1	J	ug/L	0	WA
+		Mercury, total recoverable			.09	2.13	1		ug/L	2	WA
		Methacrylonitrile			<10	<10	1	U	ug/L	0	WA
		Methyl ethyl ketone			<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone			<10	<10	1	U	ug/L	0	WA
		Propionitrile			<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable			<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable			<5	<5	1	U	ug/L	0	WA
		Styrene			<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene			2.81	2.48	1	J	ug/L	0	WA
		Toluene			1.38	<5	1	U	ug/L	0	WA
+		Trichloroethylene			26.4	17	1		ug/L	2	WA
+		Trichlorofluoromethane			58.7	45.6	1		ug/L	2	WA
		Tritium			18.88	18.66	1		pCi/ml	1	TM
		Vinyl acetate			<10	<10	1	U	ug/L	0	WA
		Xylenes			31.9	18.7	1		ug/L	0	WA
		cis-1,3-Dichloropropene			<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene			<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene			<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene			<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82740.8	33.283 Deg N	76.1 - 66.1 ft msl	167.8 ft msl	2" PVC	V	L Steed Pond
E 45550.7	81.708 Deg W					

SAMPLE DATE	12/06/96	03/06/97	06/02/97	09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	137.7	137.98	137.4	137.51	ft msl
Depth to water	28.2	27.92	28.5	28.39	ft
pH	3.8	3.4	4	3.8	pH
Sp. Conductance	60	58	62	60	uS/cm
Water temperature	25	21	29	19	deg. C
Alkalinity as CaCO3	0	0	0	1	mg/L
Turbidity	.6	.2	.3	.9	NTU
Volumes purged	4.9776	2.3141	5.4978	2.3289	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable	<5	<40	5.9	<40	1	U	ug/L	0	WA
		Barium, total recoverable	7.49	6.9	6.6	6	1		ug/L	0	WA
		Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	.865	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	13.5	1.7	.8	<1.5	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<10	<2.82	<8.38	<1.25	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	10.2	7.67	7.78	10.12	1		pCi/L	1	TM
		Gross alpha			9.28				pCi/L		
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	<5	<47	<47	<47	1	U	ug/L	0	WA
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nonvolatile beta	5.52						pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<.77	<5	13	1		ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63B
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium	<-1.45	.446	.77	.83	1		pCi/ml	0	TM
		Tritium			<.4				pCi/ml		
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82746.1 E 45559.2	33.283 Deg N 81.708 Deg W	106.2 - 96.2 ft msl	168.1 ft msl	2" PVC	V	M Steed Pond

SAMPLE DATE	12/06/96	03/06/97	06/02/97	09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	137.4	138	137.2	137.2	ft msl
Depth to water	28.6	28	28.8	28.8	ft
pH	4	3.8	4.4	4.2	pH
Sp. Conductance	32	30	32	32	uS/cm
Water temperature	25	20	30	19	deg. C
Alkalinity as CaCO3	0	0	0	1	mg/L
Turbidity	.6	.4	.3	.8	NTU
Volumes purged	5.4920	2.5001	4.3857	2.4051	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
2,4,5-TP (Silvex)	<.025						ug/L		
2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Aldrin	<.025						ug/L		
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	4.47	4	4.4	3.9	1		ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63C
ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	.148	<4.7	.47	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	9.94	<7	1.2	<1	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<10	<3.15	<6.78	<1.26	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)			<7.76				ug/L		
		Dichloromethane (Methylene chloride)			<9.46				ug/L		
		Dieldrin	<.05						ug/L		
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	4.68	3.9	3.94	5.44	1		pCi/L	0	TM
		Heptachlor	<.05						ug/L		
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	<5	<47	<47	<47	1	U	ug/L	0	WA
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nonvolatile beta	2.05						pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<5	<5	4.9	1	J	ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tritium	<-.528	1.18	1.07	1.42	1		pCi/ml	0	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		p,p''-DDT	<.1						ug/L		
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82751.8 E 45569.1	33.283 Deg N 81.708 Deg W	146.4 - 126.4 ft msl	168.3 ft msl	2" PVC	V	U Steed Pond

SAMPLE DATE	12/02/96	03/05/97	06/09/97	09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	137.74	138.2	137.6	140.5	ft msl
Depth to water	28.46	28	28.6	25.7	ft
pH	4.8	5	5.2	5	pH
Sp. Conductance	50	50	38	28	uS/cm
Water temperature	24	26	28	21	deg. C
Alkalinity as CaCO3	8	2	12	1	mg/L
Turbidity	6.2	1	2.7	1.1	NTU
Volumes purged	3.6295	3.9481	4.5846	4.5167	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	2.4	2.55	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	12.9	7.1	5.65	1.59	1	J	ug/L	0	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	21.8	13	12.4	1.55	1	J	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Aluminum, total recoverable		<63.7					ug/L		
		Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable	4.36	4.1	3.4	2.4	1		ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Benzene	1	<5	<5	<5	1	U	ug/L	0	WA
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	<.176	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	10.9	7.5	5.3	<5	1	U	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
+		Chloroethene (Vinyl chloride)	13.9	13.3	12.7	2.29	1	J	ug/L	2	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene		<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	5.68	<7	1.1	<2.6	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
+		Dichlorodifluoromethane	<2	33.5	39.3	26.5	1		ug/L	2	WA
		Dichloromethane (Methylene chloride)	<1.4	<3.06	<7.28	<3.49	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	1.13	<.789	<.66	1.28	1	J	pCi/L	0	TM
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Iron, total recoverable		25.1					ug/L		
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	14.6	<47	5.3	10.5	1	J	ug/L	0	WA
		Lindane	<.025						ug/L		
		Manganese, total recoverable		1.9					ug/L		
		Mercury, total recoverable	.075	.12	<.7	.15	1	J	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nitrate-nitrite as nitrogen	280						ug/L		
		Nonvolatile beta	<1.81	2.07					pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Radium-226	.82						pCi/L		
		Radium-228	1						pCi/L		
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<5	<5	<1.3	1	U	ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 63D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Total organic halogens		147					ug/L		
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
+		Trichlorofluoromethane	60.2	50.5	53.6	31.7	1		ug/L	2	WA
		Tritium	<-5.28	3.05	1.77	1.41	1		pCi/ml	0	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	17.2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

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WELL: LFW 64C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82744.8	33.283 Deg N	93.0 - 83.0 ft msl	152.2 ft msl	2" PVC	V	M Steed Pond
E 45271.3	81.708 Deg W					

SAMPLE DATE	12/05/96	06/02/97	09/08/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	137.38		137.25	137.2	ft msl
Depth to water	12.62		12.75	12.8	ft
pH	3.6		3.8	3.8	pH
Sp. Conductance	64		68	76	uS/cm
Water temperature	23		28	18	deg. C
Alkalinity as CaCO3	0		0	1	mg/L
Turbidity	.6		.3	.8	NTU
Volumes purged	2.2631		8.1013	2.3785	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2		<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2		<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2		<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2		<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	<2		<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene	<2		<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2		<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2		<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2		<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2		<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2		<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2		<5	<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.024						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.048						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10		<10	<10	1	U	ug/L	0	WA
		Acetone	<10		<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10		<20	<20	1	U	ug/L	0	WA
		Acrolein	<20		<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50		<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10		<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable	<5		<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable	8.14		8.6	7.7	1		ug/L	0	WA
		Benzene	<2		<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 64C
ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2		<5	<5	1	U	ug/L	0	WA
		Bromoform	<2		<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2		<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	.478		.74	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5		<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2		<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	<2		<5	<5	1	U	ug/L	0	WA
		Chloroethane	<2		<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2		<10	<10	1	U	ug/L	0	WA
		Chloroform	<2		<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2		<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2		<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	1.19		<7	<.79	1	U	ug/L	0	WA
		Dibromochloromethane	<2		<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2		<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2		<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<10		<5.96	<2.97	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	<2		<5	<5	1	U	ug/L	0	WA
+		Gross alpha	15		14.65	17.32	1		pCi/L	2	TM
		Iodomethane (Methyl iodide)	<10		<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20		<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	2.87		<47	<47	1	U	ug/L	0	WA
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.2		<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10		<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5		<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10		<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nonvolatile beta	8.69						pCi/L		
		Propionitrile	<20		<50	<50	1	U	ug/L	0	WA
		Radium-228	4.22						pCi/L		
		Selenium, total recoverable	<5		<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2		<5	<5	1	U	ug/L	0	WA
		Styrene	<2		<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2		<5	<5	1	U	ug/L	0	WA
		Toluene	<2		<5	<5	1	U	ug/L	0	WA
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2		<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2		<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 64C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium	<-8.02		<.49	<.41	1	UI	pCi/ml	0	TM
		Vinyl acetate	<10		<10	<10	1	U	ug/L	0	WA
		Xylenes	<2		<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2		<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2		<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2		<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2		<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 64D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82737.8 E 45280.7	33.283 Deg N 81.708 Deg W	135.2 - 115.2 ft msl	152.2 ft msl	2" PVC	V	U Steed Pond

<u>SAMPLE DATE</u>	12/03/96	03/05/97	06/05/97	09/09/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	137.69	137.94	137.47	137.4	ft msl
Depth to water	12.51	12.26	12.73	12.8	ft
pH	5.2	4.6	5.2	4.6	pH
Sp. Conductance	96	74	78	76	uS/cm
Water temperature	22	28	28	19	deg. C
Alkalinity as CaCO3	17	1	9	0	mg/L
Turbidity	.6	.6	.4	.7	NTU
Volumes purged	5.4776	2.9576	8.7934	2.7716	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	9.3	9.62	7.54	7.25	1		ug/L	1	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	37.7	31.4	24.1	21.3	1		ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<1.95	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable	11.6	9.2	11.5	10.2	1		ug/L	0	WA
		Benzene	1.4	1.44	1.09	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 64D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	<2	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	20.8	17.9	14.7	10.5	1		ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
+		Chloroethene (Vinyl chloride)	26.2	47.3	36	28.6	1		ug/L	2	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	<4	.8	.82	<1.3	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	1.62	1.28	1.48	1	J	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<1.8	<6.1	<3.18	<6.39	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	2.25	<1.03	3.6	1.7	1	J	pCi/L	0	TM
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	<5	<47	8.2	21.8	1	J	ug/L	0	WA
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nitrate-nitrite as nitrogen	380						ug/L		
		Nitrate-nitrite as nitrogen	400						ug/L		
		Nonvolatile beta	<1.23						pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Radium-226	1.31						pCi/L		
		Radium-228	.841						pCi/L		
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<5	<5	1.1	1		ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 64D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
+		Tritium	16.4	26.5	25.56	23.5	1		pCi/ml	2	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	1.4	1.26	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	9.2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82589.2	33.284 Deg N	63.5 - 53.5 ft msl	148.2 ft msl	2" PVC	V	L Steed Pond
E 46061.8	81.706 Deg W					

SAMPLE DATE 12/09/96 03/06/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	135.3	135.81			ft msl
Depth to water	10.8	10.29			ft
pH	4.2	4			pH
Sp. Conductance	64	46			uS/cm
Water temperature	20	18			deg. C
Alkalinity as CaCO3	0	0			mg/L
Turbidity	.8	.7			NTU
Volumes purged	2.6164	2.1671			well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5					ug/L		
		1,1,1-Trichloroethane	<2	<5					ug/L		
		1,1,2,2-Tetrachloroethane	<2	<5					ug/L		
		1,1,2-Trichloroethane	<2	<5					ug/L		
		1,1-Dichloroethane	<2	<5					ug/L		
		1,1-Dichloroethylene	<2	<5					ug/L		
		1,2,3-Trichloropropane	<2	<5					ug/L		
		1,2-Dibromo-3-chloropropane	<2	<5					ug/L		
		1,2-Dibromoethane	<2	<5					ug/L		
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5					ug/L		
		1,2-Dichloropropane	<2	<5					ug/L		
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2	<5					ug/L		
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10					ug/L		
		Acetone	<10	<1.53					ug/L		
		Acetonitrile (Methyl cyanide)	<10	<20					ug/L		
		Acrolein	<20	<20					ug/L		
		Acrylonitrile	<50	<5					ug/L		
		Allyl chloride	<10	<10					ug/L		
		Arsenic, total recoverable	<5	<40					ug/L		
		Barium, total recoverable	7.03	6.6					ug/L		
		Benzene	<2	<5					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65B

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u> <u>Mod</u>	<u>Unit</u>	<u>Flag</u> <u>Lab</u>
Bis(2-chloroisopropyl) ether	<20					ug/L	
Bromochloromethane	<2					ug/L	
Bromodichloromethane	<2	<5				ug/L	
Bromoform	<2	<5				ug/L	
Bromomethane (Methyl bromide)	<2	<10				ug/L	
Cadmium, total recoverable	.097	<4.7				ug/L	
Carbon disulfide	<5	<5				ug/L	
Carbon tetrachloride	<2	<5				ug/L	
Chlorobenzene	<2	<5				ug/L	
Chloroethane	<2	<10				ug/L	
Chloroethene (Vinyl chloride)	<2	<10				ug/L	
Chloroform	<2	<5				ug/L	
Chloromethane (Methyl chloride)	<2	<10				ug/L	
Chloroprene	<2	<5				ug/L	
Chromium, total recoverable	9.76	<7				ug/L	
Dibromochloromethane	<2	<5				ug/L	
Dibromomethane (Methylene bromide)	<2	<5				ug/L	
Dichlorodifluoromethane	<2	<10				ug/L	
Dichloromethane (Methylene chloride)	<10	<2.72				ug/L	
Endrin	<.05					ug/L	
Ethylbenzene	<2	<5				ug/L	
Gross alpha	7.24	5.05				pCi/L	
Iodomethane (Methyl iodide)	<10	<5				ug/L	
Isobutyl alcohol	<20	<100				ug/L	
Lead, total recoverable	<5	<47				ug/L	
Lindane	<.025					ug/L	
Mercury, total recoverable	.275	<.7				ug/L	
Methacrylonitrile	<10	<10				ug/L	
Methoxychlor	<.5					ug/L	
Methyl ethyl ketone	<5	<10				ug/L	
Methyl isobutyl ketone	<10	<10				ug/L	
Methyl methacrylate	<10					ug/L	
Nonvolatile beta	3.64					pCi/L	
Propionitrile	<20	<50				ug/L	
Selenium, total recoverable	<5	<66				ug/L	
Silver, total recoverable	<2	<.74				ug/L	
Styrene	<2	<5				ug/L	
Tetrachloroethylene	<2	<5				ug/L	
Toluene	<2	<5				ug/L	
Toxaphene	<1					ug/L	
Trichloroethylene	<2	<5				ug/L	
Trichlorofluoromethane	<2	<5				ug/L	
Tritium	<-4.76	<.005				pCi/ml	

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65B
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vinyl acetate	<10	<10					ug/L		
		Xylenes	<2	<5					ug/L		
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5					ug/L		
		trans-1,2-Dichloroethylene	<2	<5					ug/L		
		trans-1,3-Dichloropropene	<2	<5					ug/L		
		trans-1,4-Dichloro-2-butene	<2	<20					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82592.9	33.284 Deg N	96.1 - 86.1 ft msl	148.2 ft msl	2" PVC	V	M Steed Pond
E 46064.4	81.706 Deg W					

<u>SAMPLE DATE</u>	12/05/96	03/06/97	06/03/97	09/05/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	135.25	135.08	135.15	135	ft msl
Depth to water	10.85	11.02	10.95	11.1	ft
pH	4.4	4.2	4.6	4.4	pH
Sp. Conductance	32	28	28	32	uS/cm
Water temperature	22	19	29	18	deg. C
Alkalinity as CaCO3	0	1	0	0	mg/L
Turbidity	1	.7	.5	.9	NTU
Volumes purged	2.4985	2.2681	7.6294	2.7499	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethylene			<5				ug/L		
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2	<5		<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable	<5	<40		<40	1	U	ug/L	0	WA
		Barium, total recoverable	9.31	8.3		8.3	1		ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65C
ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	<2	<4.7		<4.7	1	U	ug/L	0	WA
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	1.67	1	<7	<7	1	U	ug/L	0	WA
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<10	<5.4	<6.81	<2.25	1	U	ug/L	0	WA
Endrin	<.049						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	3.09	2.91	4.61	5.83	1		pCi/L	0	TM
Gross alpha			3.66				pCi/L		
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	<5	<47	<47	<47	1	U	ug/L	0	WA
Lead, total recoverable			15.9				ug/L		
Lindane	<.025						ug/L		
Mercury, total recoverable	<.2	<.7		<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.495						ug/L		
Methyl ethyl ketone	<5	<7.67	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nonvolatile beta	1.32						pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Radium-228	<.725						pCi/L		
Radium-228	.9						pCi/L		
Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
Silver, total recoverable	<2	<.84	<5	<5	1	U	ug/L	0	WA
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65C
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<.99						ug/L		
		Trichloroethylene	<2	<5		<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tritium	-4.17	.723	.51	7.86	1		pCi/ml	0	TM
		Tritium	-6.92		.85				pCi/ml		
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5		<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
 * = exceeded holding time for fourth quarter 1997.
 + = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82598.4 E 46071.8	33.284 Deg N 81.706 Deg W	131.5 - 111.5 ft msl	148.4 ft msl	2" PVC	V	U Steed Pond
SAMPLE DATE		12/05/96	03/06/97	06/03/97	09/05/97	

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	135.38	134.08	135.35	135.25	ft msl
Depth to water	10.92	12.22	10.95	11.05	ft
pH	4.4	4.6	4.6	4.2	pH
Sp. Conductance	20	14	24	22	uS/cm
Water temperature	22	18	28	19	deg. C
Alkalinity as CaCO3	0	2	0	0	mg/L
Turbidity	1.6	3.6	.9	1	NTU
Volumes purged	7.7452	2.9648	8.9290	3.3024	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane				3.06	1	J	ug/L	0	WA
		1,1,1-Trichloroethane	3.6	3.2	3.4	3.13	1	J	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
+		1,1-Dichloroethane				18.7	1		ug/L	2	WA
+		1,1-Dichloroethane	22.4	15.1	22.7	19	1		ug/L	2	WA
		1,1-Dichloroethylene	1.1	<5	1.06	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethylene			9.77				ug/L		
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	2.6	<5		<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65D
ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
Aluminum, total recoverable		<53.1					ug/L		
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	3.4	2.7	3.6	3	1		ug/L	0	WA
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	<2	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	1.01	<7	<7	<7	1	U	ug/L	0	WA
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane				6.18	1	J	ug/L	1	WA
Dichlorodifluoromethane	<2	5.76	7.7	6.41	1	J	ug/L	1	WA
Dichloromethane (Methylene chloride)				<4.91	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<5.1	<7.02	<9.92	<5.77	1	U	ug/L	0	WA
Endrin	<.049						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	<.968	<.426	2.42	<2.16	1	U	pCi/L	0	TM
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Iron, total recoverable		<74					ug/L		
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	1.48	<47	<47	<47	1	U	ug/L	0	WA
Lindane	<.025						ug/L		
Manganese, total recoverable		<7.8					ug/L		
Mercury, total recoverable	<.2	<.7	.21	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.495						ug/L		
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nonvolatile beta	<1.06	2.31					pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Radium-228	<.368						pCi/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 65D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<5	.69	<5	1	U	ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene				2.72	1	J	ug/L	1	WA
		Tetrachloroethylene	2.3	2.22	2.66	2.79	1	J	ug/L	1	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Total organic halogens		68.8					ug/L		
		Toxaphene	<.99						ug/L		
+		Trichloroethylene	9.2	6.3	8.09	7.56	1		ug/L	2	WA
+		Trichlorofluoromethane				21	1		ug/L	2	WA
+		Trichlorofluoromethane	19.9	15.3	22.4	21.1	1		ug/L	2	WA
		Tritium	<-4.3	2.71	4.46	3.23	1		pCi/ml	0	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	11.4						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5		<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 66D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82835.1	33.284 Deg N	141.8 - 121.8 ft msl	161.7 ft msl	2" PVC	V	U Steed Pond
E 46173.7	81.706 Deg W					

SAMPLE DATE

12/19/96 03/06/97 06/04/97 09/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	138.4	140.6	138.4	138.6	ft msl
Depth to water	21.2	19	21.2	21	ft
pH	4.6	4.2	4.8	4	pH
Sp. Conductance	23	16	18	22	uS/cm
Water temperature	24	19	30	19	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	.5	1.9	.5	.9	NTU
Volumes purged	4.5650	2.9175	5.8693	3.8715	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
2-Chloroethyl vinyl ether	<10	<10	<10	<10	1	U	ug/L	0	WA
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	4.01	3.4	3.6	3.1	1	U	ug/L	0	WA
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20	<5	<5	<5	1	U	ug/L	0	WA
Bromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
 * = exceeded holding time for fourth quarter 1997.
 + = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

Sanitary Landfill

WELL: LFW 66D

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	<2	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	<1.67	<7	<7	1.1	1	J	ug/L	0	WA
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<10	<3.67	<2.65	<3.53	1	U	ug/L	0	WA
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	1.67	1.66	1.36	<.82	1	UI	pCi/L	0	TM
Gross alpha	1.37		1.65				pCi/L		
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	<5	<47	<47	<47	1	U	ug/L	0	WA
Mercury, total recoverable	<.085	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl ethyl ketone	<5	<3.63	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
Silver, total recoverable	<2	<1.1	<.64	<5	1	UJ	ug/L	0	WA
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Tritium	<.164	.413	.79	.73	1	J	pCi/ml	0	TM
Tritium			.92				pCi/ml		
Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
cis-1,2-Dichloroethylene	<2						ug/L		
cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 66D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82847.1	33.285 Deg N	65.6 - 55.6 ft msl	157.7 ft msl	2" PVC	V	L Steed Pond
E 46517.1	81.705 Deg W					

<u>SAMPLE DATE</u>	12/06/96	03/06/97	06/04/97	09/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	136.13	136.54	135.95	135.9	ft msl
Depth to water	19.27	18.86	19.45	19.5	ft
pH	3.4	3.6	4	3.8	pH
Sp. Conductance	56	52	50	54	uS/cm
Water temperature	25	20	28	19	deg. C
Alkalinity as CaCO3	0	0	0	0	mg/L
Turbidity	1.1	.2	.2	.8	NTU
Volumes purged	2.5765	2.1976	5.3856	2.2884	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<3.55	<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable	5.92	5.3	5.9	5.8	1		ug/L	0	WA
		Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67B

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	.151	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	9.81	<7	<7	<7	1	U	ug/L	0	WA
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<10	<2.87	<2.53	<3.53	1	U	ug/L	0	WA
Endrin	<.05						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	12.2	8.73	8.94	7.46	1	J	pCi/L	0	TM
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	4.54	<47	<47	<47	1	U	ug/L	0	WA
Lindane	<.025						ug/L		
Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nonvolatile beta	6.27						pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
Silver, total recoverable	<2	<.86	<5	<5	1	UJ	ug/L	0	WA
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toxaphene	<1						ug/L		
Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Tritium	<-1.42	.386	1	<.4	1	UI	pCi/ml	0	TM

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82844.2 E 46527.5	33.285 Deg N 81.705 Deg W	96.1 - 86.1 ft msl	157.1 ft msl	2" PVC	V	M Steed Pond

SAMPLE DATE	12/02/96	03/06/97	06/05/97	09/09/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	135.8	136.65	135.6	135.3	ft msl
Depth to water	19.1	18.25	19.3	19.6	ft
pH	6.2	6	6	5.8	pH
Sp. Conductance	780	720	680	640	uS/cm
Water temperature	23	23	20	20	deg. C
Alkalinity as CaCO3	335	333	345	120	mg/L
Turbidity	.7	1.1	1.6	2.7	NTU
Volumes purged	2.2322	2.4275	2.3588	2.2540	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane	<2	<5		<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
+		1,1-Dichloroethane	137	117	134	156	1		ug/L	2	WA
		1,1-Dichloroethylene	3.8	2.8	2.03	1.59	1	J	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5		<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5		<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	2	2.07	<5	2.13	1	J	ug/L	0	WA
		1,2-Dichloropropane	3.1	3.5	3.37	3.18	1	J	ug/L	1	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	35.8	33.2		38.2	1		ug/L	1	WA
		2,4,5-TP (Silvex)	.191						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	3.74	1	J	ug/L	0	WA
		Acetone	515	752	607	30.5	1		ug/L	0	WA
		Acetone							ug/L		
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20		<20	1	U	ug/L	0	WA
		Acrylonitrile		<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable	40.5	43.6	43.7	42.3	1		ug/L	1	WA
		Barium, total recoverable	15.7	16.2	40.5	30.3	1		ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67C

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
	+	Benzene	8.2	8.86	9.2	9.18	1		ug/L	2	WA
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	1.85	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene		2.17	1.76	1.74	1	J	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2	3.72	2.07	1.94	1	J	ug/L	1	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	.611	.83	2.4	<3.3	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5		<5	1	U	ug/L	0	WA
	+	Dichlorodifluoromethane	23.7	18.4		12.2	1		ug/L	2	WA
		Dichloromethane (Methylene chloride)	<6.5	<5.16	<5.02	<8.59	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	37.6	40.3		46.2	1		ug/L	0	WA
		Gross alpha	7.07	6.61	8.68	6.56	1		pCi/L	0	TM
		Gross alpha		6.4					pCi/L		
		Iodomethane (Methyl iodide)	<10	<5		<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	45.2	<47	<47	<47	1	U	ug/L	0	WA
		Lindane	<.025						ug/L		
		Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10		<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<455	<631	<	<16.2	1		ug/L	0	WA
		Methyl ethyl ketone		<					ug/L		
		Methyl isobutyl ketone	<159	<86.5	<10	<12.2	1		ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nitrate-nitrite as nitrogen	310						ug/L		
		Nonvolatile beta	<2.8						pCi/L		
		Propionitrile	<20	<50		<50	1	U	ug/L	0	WA
		Radium-226	3.21						pCi/L		
		Radium-228	.945						pCi/L		
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<.64	<5	<.96	1	U	ug/L	0	WA
		Styrene	1.6	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67C

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	11.9	3.22	5.79	2.56	1	J	ug/L	1	WA
		Toluene	67.7	83.8	133	108	1		ug/L	0	WA
		Total organic carbon	25200						ug/L		
		Toxaphene	<1						ug/L		
+		Trichloroethylene	16.6	18.8	16.4	13.8	1		ug/L	2	WA
+		Trichlorofluoromethane	<2	<5		12.8	1		ug/L	2	WA
+		Tritium	6.64	23.8	21.77	26.79	1		pCi/ml	2	TM
		Tritium		22.4					pCi/ml		
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	126	141		160	1		ug/L	0	WA
		cis-1,2-Dichloroethylene	485						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	1.1	1.16	<5	1.37	1	J	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20		<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82855.0	33.285 Deg N	140.6 - 120.6 ft msl	157.7 ft msl	2" PVC	V	U Steed Pond
E 46529.9	81.705 Deg W					

SAMPLE DATE	12/02/96	03/06/97	06/10/97	09/09/97

FIELD DATA

Analyte	1Q97	2Q97	3Q97	4Q97	Unit
Water Elevation	137.72	140.08	137.85	137.85	ft msl
Depth to water	17.68	15.32	17.55	17.55	ft
pH	4.4	4.2	4.6	4	pH
Sp. Conductance	30	30	30	46	uS/cm
Water temperature	24	23	25	19	deg. C
Alkalinity as CaCO ₃	0	0	0	0	mg/L
Turbidity	1.1	.9	1.6	.5	NTU
Volumes purged	3.1398	2.7996	6.2379	2.8071	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	2.4	3.37	2.93	4.83	1	J	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
+ 1,1-Dichloroethane	8	16.2	21.4	40.2	1		ug/L	2	WA
1,1-Dichloroethylene	<2	<5	<5	1.04	1	J	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane		<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	.993	1	J	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	<2	<5	<5	.987	1	J	ug/L	0	WA
2,4,5-TP (Silvex)	<.025						ug/L		
2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<10	<10	<2.89	5.67	1	J	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Aluminum, total recoverable		<54.3					ug/L		
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	4	5.2	<.72	5.7	1		ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67D
ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	<.154	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	<4	<7	<7	<.73	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
+		Dichlorodifluoromethane	5.5	11.1	18.9	29.3	1		ug/L	2	WA
		Dichloromethane (Methylene chloride)		<11.2	<3.78	<7.74	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	1.58	1.35	2.32	1	J	ug/L	0	WA
		Gross alpha	1.76	1.84	1.78	7.28	1		pCi/L	0	TM
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Iron, total recoverable		<74					ug/L		
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	2.24	<47	<47	11.6	1	J	ug/L	0	WA
		Lindane	<.025						ug/L		
		Manganese, total recoverable		<7.8					ug/L		
		Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nitrate-nitrite as nitrogen	530						ug/L		
		Nonvolatile beta	<1.39	1.74					pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Radium-226	1.5						pCi/L		
		Radium-228	3.41						pCi/L		
		Selenium, total recoverable	1.81	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<5	.52	<.98	1	U	ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 67D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	1.1	1.87	1.69	2.75	1	J	ug/L	1	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Total organic carbon	<835						ug/L		
		Total organic halogens		125					ug/L		
		Total organic halogens		147					ug/L		
		Toxaphene	<1						ug/L		
+		Trichloroethylene	2.8	5.31	6.67	11.8	1		ug/L	2	WA
+		Trichlorofluoromethane	15.3	27.2	39.8	41.3	1		ug/L	2	WA
		Tritium	<-2.83	3.49	3.02	3.38	1		pCi/ml	0	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	1.2	10.8	9.85	18.4	1		ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene		<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 68D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 83031.6	33.286 Deg N	144.6 - 124.6 ft msl	161.4 ft msl	2" PVC	V	U Steed Pond
E 46868.0	81.705 Deg W					

SAMPLE DATE	12/09/96	03/07/97	06/05/97	09/08/97

FIELD DATA

Analyte	1Q97	2Q97	3Q97	4Q97	Unit
Water Elevation	138.75	141.25	139.3	139.41	ft msl
Depth to water	20.65	18.15	20.1	19.99	ft
pH	4	4	4.6	4.6	pH
Sp. Conductance	22	40	24	30	uS/cm
Water temperature	25	23	21	21	deg. C
Alkalinity as CaCO3	0	0	2	2	mg/L
Turbidity	1.2	.6	1.9	1.6	NTU
Volumes purged	15.857	6.2120	3.2861	3.2646	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
2,4,5-TP (Silvex)	<.025						ug/L		
2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<6.7	<10	<10	<10	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	4.36	4.7	5.4	6.1	1		ug/L	0	WA
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 68D

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Bis(2-chloroisopropyl) ether	<20						ug/L		
		Bromochloromethane	<2						ug/L		
		Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Cadmium, total recoverable	.829	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
		Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
		Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
		Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Chromium, total recoverable	10.4	<7	<7	<1.4	1	U	ug/L	0	WA
		Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)	<10	<1.96	<1.54	<2.71	1	U	ug/L	0	WA
		Endrin	<.05						ug/L		
		Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Gross alpha	.753	<.658	1.32	1.98	1		pCi/L	0	TM
		Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
		Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
		Lead, total recoverable	<5	<47	<47	<47	1	U	ug/L	0	WA
		Lindane	<.025						ug/L		
		Mercury, total recoverable	2.24	.622	.14	.07	1	J	ug/L	0	WA
		Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methoxychlor	<.5						ug/L		
		Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Methyl methacrylate	<10						ug/L		
		Nonvolatile beta	1.31						pCi/L		
		Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	<5	<5	<.51	1	U	ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tritium	<-.385	1.91	<2.16	1.84	1		pCi/ml	0	TM

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 68D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

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WELL: LFW 69C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82458.6	33.282 Deg N	89.1 - 79.1 ft msl	146.0 ft msl	2" PVC	V	L Steed Pond
E 45494.5	81.707 Deg W					

<u>SAMPLE DATE</u>	12/09/96	03/07/97	06/04/97	09/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	135.39	135.57	135.3	135.25	ft msl
Depth to water	8.71	8.53	8.8	8.85	ft
pH	4	3.6	4	4	pH
Sp. Conductance	54	54	46	46	uS/cm
Water temperature	22	24	30	19	deg. C
Alkalinity as CaCO3	0	0	0	1	mg/L
Turbidity	.7	.2	.2	.3	NTU
Volumes purged	3.1436	2.6116	6.1920	2.4159	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<3	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Arsenic, total recoverable	1.95	<40	<40	<40	1	U	ug/L	0	WA
		Barium, total recoverable	6.53	5.9	6.2	6.3	1		ug/L	0	WA
		Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 69C
ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	.484	.78	<4.7	<4.7	1	U	ug/L	0	WA
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	9.59	<7	<7	.72	1	J	ug/L	0	WA
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<1.1	<2.02	<2.62	<3.84	1	U	ug/L	0	WA
Endrin	<.05						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	10.1	9.7	8.02	10.07	1	J	pCi/L	1	TM
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	<5	<47	<47	<47	1	U	ug/L	0	WA
Lindane	<.025						ug/L		
Mercury, total recoverable	.114	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nonvolatile beta	11						pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
Silver, total recoverable	<2	<5	<5	<5	1	UJ	ug/L	0	WA
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toxaphene	<1						ug/L		
Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Tritium	<-1.93	.595	.95	.56	1	J	pCi/ml	0	TM

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 69C
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 69D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 82452.0	33.282 Deg N	139.0 - 119.0 ft msl	146.1 ft msl	2" PVC	V	U Steed Pond
E 45501.0	81.707 Deg W					

SAMPLE DATE	12/03/96	03/05/97	06/05/97	09/08/97

FIELD DATA

Analyte	1Q97	2Q97	3Q97	4Q97	Unit
Water Elevation	135.33	135.63	135.1	135	ft msl
Depth to water	8.67	8.37	8.9	9	ft
pH	5	5	5.2	5.2	pH
Sp. Conductance	64	60	58	78	uS/cm
Water temperature	22	27	22	20	deg. C
Alkalinity as CaCO3	6	3	7	1	mg/L
Turbidity	5.7	5.1	3.5	1.6	NTU
Volumes purged	6.6170	3.2555	5.6955	3.0319	well volumes
Sampling code					

ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
+		1,1-Dichloroethane	19	17.5	18.3	16.2	1		ug/L	2	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	46.9	31.6	47.6	43.8	1		ug/L	1	WA
		2,4,5-T	<.049						ug/L		
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.05						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Aldrin	<.025						ug/L		
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 69D

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	5.74	11.1	6.1	6.9	1		ug/L	0	WA
Benzene	1.2	1.54	1.04	1.27	1	J	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	<.158	<4.7	<4.7	<4.7	1	U	ug/L	0	WA
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	11.8	12.1	11.9	13.8	1		ug/L	0	WA
Chloroethane	<2	2.72	<10	<10	1	U	ug/L	0	WA
+ Chloroethene (Vinyl chloride)	17	36.5	26.7	35.3	1		ug/L	2	WA
Chloroform	<2	1.08	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	<4	1	.87	<1.3	1	U	ug/L	0	WA
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	1.64	1.74	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<2.2	<3.7	<2.62	<4.12	1	U	ug/L	0	WA
Dieldrin	<.05						ug/L		
Endrin	<.05						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	1.24	<.236	.73	<.61	1	UI	pCi/L	0	TM
Gross alpha	1.6						pCi/L		
Heptachlor	<.05						ug/L		
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	4.03	<47	14.5	6.9	1	J	ug/L	0	WA
Lindane	<.025						ug/L		
Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nonvolatile beta	<.927						pCi/L		
Nonvolatile beta	<1.33						pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Radium-226	1.06						pCi/L		
Radium-226	1.53						pCi/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 69D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Radium-228	<.456						pCi/L		
		Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
		Silver, total recoverable	<2	.52	<5	<1.8	1	U	ug/L	0	WA
		Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tritium				8.12	1		pCi/ml	0	TM
		Tritium	<-.643	5.52	7.03	8.21	1		pCi/ml	0	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	1	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	14.4						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		p,p"-DDT	<.1						ug/L		
		trans-1,2-Dichloroethylene	<2	<5	<5	12.4	1	J	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82616.7	33.284 Deg N	67.0 - 57.0 ft msl	147.0 ft msl	2" PVC	V	L Steed Pond
E 46340.4	81.705 Deg W					

SAMPLE DATE	12/05/96	03/07/97	06/03/97	09/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	135.14	135.6	135	135	ft msl
Depth to water	9.76	9.3	9.9	9.9	ft
pH	4	3.6	4	3.8	pH
Sp. Conductance	48	50	44	92	uS/cm
Water temperature	22	23	30	19	deg. C
Alkalinity as CaCO3	0	0	0	1	mg/L
Turbidity	.5	.2	.3	4.3	NTU
Volumes purged	3.1916	2.3423	7.2318	2.2837	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene	<2						ug/L		
1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,2-Dichloroethylene			<5				ug/L		
1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
1,3-Dichlorobenzene	<2						ug/L		
1,4-Dichlorobenzene	<2	<5		<5	1	U	ug/L	0	WA
2,4,5-TP (Silvex)	<.025						ug/L		
2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
2-Chloroethyl vinyl ether	<10						ug/L		
2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
Acetone	<10	<3.82	<4.6	<10	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
Aldrin	<.025						ug/L		
Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71B

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Barium, total recoverable	4.48	4	4.5	4.4	1		ug/L	0	WA
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	<2	<4.7	.91	<4.7	1	U	ug/L	0	WA
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	1.62	1.1	.81	<7	1	U	ug/L	0	WA
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<10	<2.41	<7.24	<5.52	1	U	ug/L	0	WA
Dieldrin	<.05						ug/L		
Endrin	<.049						ug/L		
Endrin	<.05						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	8.77	6.83	8.05	5.44	1	J	pCi/L	0	TM
Heptachlor	<.05						ug/L		
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	1.2	<47	10.6	<47	1	U	ug/L	0	WA
Lindane	<.025						ug/L		
Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.495						ug/L		
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone	<5	<3.73	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nonvolatile beta	3.48						pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
Silver, total recoverable	<2	<5	<5	<5	1	UJ	ug/L	0	WA
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71B

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Toxaphene	<.99						ug/L		
		Toxaphene	<1						ug/L		
		Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		Tritium	<-1.41	.343	<.24	1.54	1		pCi/ml	0	TM
		Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
		Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene	<2						ug/L		
		cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		p,p''-DDT	<.1						ug/L		
		trans-1,2-Dichloroethylene	<2	<5		<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82615.8 E 46329.8	33.284 Deg N 81.705 Deg W	90.4 - 80.4 ft msl	147.2 ft msl	2" PVC	V	M Steed Pond

<u>SAMPLE DATE</u>	12/06/96	03/06/97	06/03/97	09/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	135.2	135.65	135.15	135.03	ft msl
Depth to water	10	9.55	10.05	10.17	ft
pH	4.2	4.2	4.4	4	pH
Sp. Conductance	34	40	36	36	uS/cm
Water temperature	25	25	28	19	deg. C
Alkalinity as CaCO ₃	0	0	0	1	mg/L
Turbidity	.8	.3	.4	.9	NTU
Volumes purged	3.0058	2.5562	8.2733	2.3688	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
		2,4,5-T	<.049						ug/L		
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10	<10	<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<3.55	<5.07	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10	<10	<10	1	U	ug/L	0	WA
		Aluminum, total recoverable	61.4						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
 * = exceeded holding time for fourth quarter 1997.
 + = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71C

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA
Barium, total recoverable	7.88	7.5	7.9	7.9	1		ug/L	0	WA
Barium, total recoverable	7.6						ug/L		
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20						ug/L		
Boron, total recoverable	<50						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	<2	<4.7	.9	<4.7	1	U	ug/L	0	WA
Calcium, total recoverable	<1150						ug/L		
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	10.1	<7	<7	1.3	1	J	ug/L	0	WA
Chromium, total recoverable	9.46						ug/L		
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<10	<2.56	<6.77	<4.02	1	U	ug/L	0	WA
Endrin	<.05						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	5.35	8.02	7.39	5.57	1	J	pCi/L	0	TM
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Iron, total recoverable	58.8						ug/L		
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	<5	<47	14.7	<47	1	U	ug/L	0	WA
Lindane	<.025						ug/L		
Magnesium, total recoverable	<665						ug/L		
Manganese, total recoverable	5.12						ug/L		
Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10	<10	<10	1	U	ug/L	0	WA
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10	<10	<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nickel, total recoverable	5.33						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71C
ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Nonvolatile beta	1.61						pCi/L		
Potassium, total recoverable	<336						ug/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	<5	<66	<66	<66	1	U	ug/L	0	WA
Silica, total recoverable	<8550						ug/L		
Silver, total recoverable	<2	<.5	<5	<5	1	UJ	ug/L	0	WA
Sodium, total recoverable	<1800						ug/L		
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toxaphene	<1						ug/L		
Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Tritium	<.699	.918	1.04	9.6	1		pCi/ml	0	TM
Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
cis-1,2-Dichloroethylene	<2						ug/L		
cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,2-Dichloroethylene	<2	<5		<5	1	U	ug/L	0	WA
trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 82615.1	33.284 Deg N	135.5 - 115.5 ft msl	147.4 ft msl	2" PVC	V	U Steed Pond
E 46319.8	81.705 Deg W					

<u>SAMPLE DATE</u>	12/05/96	03/06/97	06/03/97	09/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation	134.61	135.5	134.6	134.36	ft msl
Depth to water	10.89	10	10.9	11.14	ft
pH	4.6	4.2	4.8	4.4	pH
Sp. Conductance	18	26	18	18	uS/cm
Water temperature	22	25	27	18	deg. C
Alkalinity as CaCO3	0	0	0	2	mg/L
Turbidity	3.3	1	.9	6.8	NTU
Volumes purged	6.0947	5.0117	11.034	4.1120	well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dibromoethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene	<2						ug/L		
		1,2-Dichloroethane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,2-Dichloroethylene			<5				ug/L		
		1,2-Dichloropropane	<2	<5	<5	<5	1	U	ug/L	0	WA
		1,3-Dichlorobenzene	<2						ug/L		
		1,4-Dichlorobenzene	<2	<5		<5	1	U	ug/L	0	WA
		2,4,5-TP (Silvex)	<.025						ug/L		
		2,4-Dichlorophenoxyacetic acid	<.049						ug/L		
		2-Chloroethyl vinyl ether	<10						ug/L		
		2-Hexanone	<10	<10		<10	1	U	ug/L	0	WA
		Acetone	<10	<10	<4.31	<4.86	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)	<10	<20	<20	<20	1	U	ug/L	0	WA
		Acrolein	<20	<20	<20	<20	1	U	ug/L	0	WA
		Acrylonitrile	<50	<5	<5	<5	1	U	ug/L	0	WA
		Allyl chloride	<10	<10		<10	1	U	ug/L	0	WA
		Aluminum, total recoverable	<20						ug/L		
		Arsenic, total recoverable	<5	<40	<40	<40	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71D

ANALYTICAL DATA

<u>H</u> <u>ST</u> <u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Barium, total recoverable	4.02	11.1	3.5	3.6	1		ug/L	0	WA
Barium, total recoverable	3.3						ug/L		
Benzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Bis(2-chloroisopropyl) ether	<20						ug/L		
Bromochloromethane	<2						ug/L		
Bromodichloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromoform	<2	<5	<5	<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)	<2	<10	<10	<10	1	U	ug/L	0	WA
Cadmium, total recoverable	.836	<4.7	<4.7	.85	1	J	ug/L	0	WA
Cadmium, total recoverable	<2						ug/L		
Carbon disulfide	<5	<5	<5	<5	1	U	ug/L	0	WA
Carbon tetrachloride	<2	<5	<5	<5	1	U	ug/L	0	WA
Chlorobenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloroethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroform	<2	<5	<5	<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)	<2	<10	<10	<10	1	U	ug/L	0	WA
Chloroprene	<2	<5	<5	<5	1	U	ug/L	0	WA
Chromium, total recoverable	1.68	.92	.82	1.1	1	J	ug/L	0	WA
Chromium, total recoverable	1.17						ug/L		
Cobalt, total recoverable	.474						ug/L		
Dibromochloromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)	<2	<5	<5	<5	1	U	ug/L	0	WA
Dichlorodifluoromethane	<2	<10	<10	<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)	<10	<4.37	<3.15	<4.28	1	U	ug/L	0	WA
Endrin	<.05						ug/L		
Ethylbenzene	<2	<5	<5	<5	1	U	ug/L	0	WA
Gross alpha	<.258	<.148	<.12	<.81	1	UI	pCi/L	0	TM
Gross alpha	.764						pCi/L		
Iodomethane (Methyl iodide)	<10	<5	<5	<5	1	U	ug/L	0	WA
Iron, total recoverable	14.3						ug/L		
Isobutyl alcohol	<20	<100	<100	<100	1	U	ug/L	0	WA
Lead, total recoverable	1.37	<47	<47	11.9	1	J	ug/L	0	WA
Lead, total recoverable	2.14						ug/L		
Lindane	<.025						ug/L		
Manganese, total recoverable	2.22						ug/L		
Mercury, total recoverable	<.2	<.7	<.7	<.7	1	U	ug/L	0	WA
Methacrylonitrile	<10	<10		<10	1	U	ug/L	0	WA
Methoxychlor	<.5						ug/L		
Methyl ethyl ketone	<5	<10	<10	<10	1	U	ug/L	0	WA
Methyl isobutyl ketone	<10	<10		<10	1	U	ug/L	0	WA
Methyl methacrylate	<10						ug/L		
Nickel, total recoverable	<3.02						ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 71D

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Nonvolatile beta	<.503						pCi/L		
Nonvolatile beta	<.615						pCi/L		
Propionitrile	<20	<50	<50	<50	1	U	ug/L	0	WA
Selenium, total recoverable	2.24	<66	<66	<66	1	U	ug/L	0	WA
Selenium, total recoverable	<5						ug/L		
Silver, total recoverable	<2	<1.3	.58	<5	1	UJ	ug/L	0	WA
Styrene	<2	<5	<5	<5	1	U	ug/L	0	WA
Tetrachloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toluene	<2	<5	<5	<5	1	U	ug/L	0	WA
Toxaphene	<1						ug/L		
Trichloroethylene	<2	<5	<5	<5	1	U	ug/L	0	WA
Trichlorofluoromethane	<2	<5	<5	<5	1	U	ug/L	0	WA
Tritium	<.907	1.33	1.03	2.38	1		pCi/ml	0	TM
Vinyl acetate	<10	<10	<10	<10	1	U	ug/L	0	WA
Xylenes	<2	<5	<5	<5	1	U	ug/L	0	WA
cis-1,2-Dichloroethylene	<2						ug/L		
cis-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,2-Dichloroethylene	<2	<5		<5	1	U	ug/L	0	WA
trans-1,3-Dichloropropene	<2	<5	<5	<5	1	U	ug/L	0	WA
trans-1,4-Dichloro-2-butene	<2	<20	<20	<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 74C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 85813.8	33.289 Deg N	116.0 - 101.0 ft msl	213.6 ft msl	4" PVC	S	M Steed Pond
E 45097.8	81.715 Deg W					

SAMPLE DATE	03/07/97	09/04/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		159.29		197.65	ft msl
Depth to water		52.11		13.75	ft
pH		4.4		4.6	pH
Sp. Conductance		34		38	uS/cm
Water temperature		24		20	deg. C
Alkalinity as CaCO3		3		0	mg/L
Turbidity		1.4		1.4	NTU
Volumes purged		2.5201		4.0095	well volumes
Sampling code					

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
1,1,1,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane		<2.5		<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane		<5					ug/L		
1,1,2,2-Tetrachloroethane		<1.5		<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane		<5					ug/L		
1,1,2-Trichloroethane		<2.8		<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane		<5					ug/L		
1,1-Dichloroethane		<2.5		<5	1	U	ug/L	0	WA
1,1-Dichloroethane		<5					ug/L		
1,1-Dichloroethylene		<3.2		<5	1	U	ug/L	0	WA
1,1-Dichloroethylene		<5					ug/L		
1,2,3-Trichloropropane		<5		<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane		<5		<5	1	U	ug/L	0	WA
1,2-Dibromoethane		<5		<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene		<4		<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene		<5					ug/L		
1,2-Dichloroethane		<2.5		<5	1	U	ug/L	0	WA
1,2-Dichloroethane		<5					ug/L		
1,2-Dichloropropane		<2		<5	1	U	ug/L	0	WA
1,2-Dichloropropane		<5					ug/L		
1,4-Dichlorobenzene		<4		<5	1	U	ug/L	0	WA
1,4-Dichlorobenzene		<5					ug/L		
1,4-Dioxane		<100					ug/L		
2-Hexanone		<10		<10	1	U	ug/L	0	WA
Acetone		<9		<10	1	U	ug/L	0	WA
Acetone		<6.48					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 74C

ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Acetone		<10					ug/L		
Acetonitrile (Methyl cyanide)		<10		<20	1	U	ug/L	0	WA
Acetonitrile (Methyl cyanide)		<20					ug/L		
Acrolein		<50		<20	1	U	ug/L	0	WA
Acrolein		<20					ug/L		
Acrylonitrile		<5		<5	1	U	ug/L	0	WA
Allyl chloride		<10		<10	1	U	ug/L	0	WA
Antimony, total recoverable		<5		<27	1	U	ug/L	0	WA
Antimony, total recoverable		<27					ug/L		
Arsenic, total recoverable		<8		<40	1	U	ug/L	0	WA
Arsenic, total recoverable		<40					ug/L		
Barium, total recoverable		5.3		4.9	1		ug/L	0	WA
Barium, total recoverable		5					ug/L		
Barium, total recoverable		5.1					ug/L		
Benzene		<2.2		<5	1	U	ug/L	0	WA
Benzene		<5					ug/L		
Beryllium, total recoverable		<3		<1.6	1	U	ug/L	0	WA
Beryllium, total recoverable		<.39					ug/L		
Beryllium, total recoverable		<.41					ug/L		
Bromochloromethane		<10		<5	1	U	ug/L	0	WA
Bromochloromethane		<5					ug/L		
Bromodichloromethane		<2.2		<5	1	U	ug/L	0	WA
Bromodichloromethane		<5					ug/L		
Bromoform		<2.6		<5	1	U	ug/L	0	WA
Bromoform		<5					ug/L		
Bromomethane (Methyl bromide)		<3.5		<10	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)		<10					ug/L		
Cadmium, total recoverable		<2		<4.7	1	U	ug/L	0	WA
Cadmium, total recoverable		<4.7					ug/L		
Carbon disulfide		<5		<5	1	U	ug/L	0	WA
Carbon tetrachloride		<5		<5	1	U	ug/L	0	WA
Carbon tetrachloride		<2.6					ug/L		
Chlorobenzene		<1.4		<5	1	U	ug/L	0	WA
Chlorobenzene		<5					ug/L		
Chloroethane		<8.2		<10	1	U	ug/L	0	WA
Chloroethane		<10					ug/L		
Chloroethene (Vinyl chloride)		<4.6		<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)		<10					ug/L		
Chloroform		<2.5		<5	1	U	ug/L	0	WA
Chloroform		<5					ug/L		
Chloromethane (Methyl chloride)		<4.4		<10	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)		<10					ug/L		
Chloroprene		<5		<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 74C
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chromium, total recoverable		<10		<7	1	U	ug/L	0	WA
		Chromium, total recoverable		<7					ug/L		
		Cobalt, total recoverable		<5		<1.1	1	U	ug/L	0	WA
		Cobalt, total recoverable		.97					ug/L		
		Cobalt, total recoverable		1					ug/L		
		Copper, total recoverable		5.5		<4	1	U	ug/L	0	WA
		Copper, total recoverable		<15					ug/L		
		Di-n-butyl phthalate		<1		<1.23	1	J	ug/L	0	WA
		Di-n-butyl phthalate		<11					ug/L		
		Dibromochloromethane		<2.3		<5	1	U	ug/L	0	WA
		Dibromochloromethane		<5					ug/L		
		Dibromomethane (Methylene bromide)		<5		<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane		<5		<10	1	U	ug/L	0	WA
		Dichlorodifluoromethane		<10					ug/L		
		Dichloromethane (Methylene chloride)		<5		<4.2	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<2.22					ug/L		
		Dichloromethane (Methylene chloride)		<9.22					ug/L		
		Ethyl methacrylate		<5					ug/L		
		Ethylbenzene		<1.3		<5	1	U	ug/L	0	WA
		Ethylbenzene		<5					ug/L		
		Iodomethane (Methyl iodide)		<5		<5	1	U	ug/L	0	WA
		Isobutyl alcohol		<100		<100	1	U	ug/L	0	WA
		Lead, total recoverable		5.5		<47	1	U	ug/L	0	WA
		Lead, total recoverable		<47					ug/L		
		Lindane		<.053					ug/L		
		Lindane		<.055					ug/L		
		Methacrylonitrile		<5		<10	1	U	ug/L	0	WA
		Methacrylonitrile		<10					ug/L		
		Methyl ethyl ketone		<10		<10	1	U	ug/L	0	WA
		Methyl ethyl ketone		<2.8					ug/L		
		Methyl ethyl ketone		<2.98					ug/L		
		Methyl isobutyl ketone		<12		<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone		<10					ug/L		
		Methyl methacrylate		<5					ug/L		
		Nickel, total recoverable		<5		<26	1	U	ug/L	0	WA
		Nickel, total recoverable		<26					ug/L		
		Pentachloroethane		<5					ug/L		
		Propionitrile		<5		<50	1	U	ug/L	0	WA
		Propionitrile		<50					ug/L		
		Selenium, total recoverable		<5		<66	1	U	ug/L	0	WA
		Selenium, total recoverable		<66					ug/L		
		Silver, total recoverable		<2		<5	1	U	ug/L	0	WA
		Silver, total recoverable		.57					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

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WELL: LFW 74C
ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Silver, total recoverable		<5					ug/L		
		Specific conductance		32.5		33.7	1		uS/cm	0	WA
		Specific conductance		33.1					uS/cm		
		Specific conductance		35.2					uS/cm		
		Styrene		<5		<5	1	U	ug/L	0	WA
		Styrene		<5					ug/L		
		Tetrachloroethylene		<1.9		<5	1	U	ug/L	0	WA
		Tetrachloroethylene		<5					ug/L		
+		Thallium, total recoverable		<5		5.6	1	J	ug/L	2	WA
		Thallium, total recoverable		<55					ug/L		
		Toluene		<1.7		<5	1	U	ug/L	0	WA
		Toluene		<5					ug/L		
		Trichloroethylene		<3		<5	1	U	ug/L	0	WA
		Trichloroethylene		<5					ug/L		
		Trichlorofluoromethane		<4.6		<5	1	U	ug/L	0	WA
		Trichlorofluoromethane		<5					ug/L		
		Tritium		1.79		2.96	1		pCi/ml	0	TM
		Tritium		1.15					pCi/ml		
		Tritium		1.5					pCi/ml		
		Vanadium, total recoverable		<2		<6.9	1	U	ug/L	0	WA
		Vanadium, total recoverable		<6.9					ug/L		
		Vinyl acetate		<10		<10	1	U	ug/L	0	WA
		Xylenes		<3.7		<5	1	U	ug/L	0	WA
		Xylenes		<5					ug/L		
		Zinc, total recoverable		28.3		6.8	1	J	ug/L	0	WA
		Zinc, total recoverable		10.5					ug/L		
		Zinc, total recoverable		13					ug/L		
		beta-Benzene hexachloride		<.006		<.051	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene		<2.4		<5	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene		<5					ug/L		
		cis-1,3-Dichloropropene		<2		<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5					ug/L		
*		pH		5.22		5.22	1	J	pH	0	WA
		pH		5.16					pH		
		pH		5.2					pH		
		trans-1,2-Dichloroethylene		<2.4		<5	1	U	ug/L	0	WA
		trans-1,2-Dichloroethylene		<5					ug/L		
		trans-1,3-Dichloropropene		<1.6		<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5					ug/L		
		trans-1,4-Dichloro-2-butene		<5		<20	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 74D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 85828.1	33.289 Deg N	167.7 - 152.7 ft msl	213.9 ft msl	4" PVC	S	U Steed Pond
E 45098.0	81.715 Deg W					

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

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		159.36			ft msl
Depth to water		52.34			ft
pH		5		5	pH
Sp. Conductance		16		24	uS/cm
Water temperature		26		20	deg. C
Alkalinity as CaCO3		2		0	mg/L
Turbidity		2		5.1	NTU
Volumes purged		4.9895			well volumes
Sampling code					

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
		1,1,1-Trichloroethane		<5		<5	1	U	ug/L	0	WA
		1,1,2,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
		1,1,2-Trichloroethane		<5		<5	1	U	ug/L	0	WA
		1,1-Dichloroethane		<5		<5	1	U	ug/L	0	WA
		1,1-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		1,2,3-Trichloropropane		<5		<5	1	U	ug/L	0	WA
		1,2-Dibromo-3-chloropropane		<5		<5	1	U	ug/L	0	WA
		1,2-Dibromoethane		<5		<5	1	U	ug/L	0	WA
		1,2-Dichlorobenzene		<5		<5	1	U	ug/L	0	WA
		1,2-Dichloroethane		<5		<5	1	U	ug/L	0	WA
		1,2-Dichloropropane		<5		<5	1	U	ug/L	0	WA
		1,4-Dichlorobenzene		<5		<5	1	U	ug/L	0	WA
		2-Hexanone		<10		<10	1	U	ug/L	0	WA
		Acetone		<6.83		<10	1	U	ug/L	0	WA
		Acetonitrile (Methyl cyanide)		<20		<20	1	U	ug/L	0	WA
		Acrolein		<20		<20	1	U	ug/L	0	WA
		Acrylonitrile		<5		<5	1	U	ug/L	0	WA
		Allyl chloride		<10		<10	1	U	ug/L	0	WA
		Antimony, total recoverable		<27		<27	1	U	ug/L	0	WA
		Arsenic, total recoverable		<40		<40	1	U	ug/L	0	WA
		Barium, total recoverable		4.4		8.5	1		ug/L	0	WA
		Benzene		<5		<5	1	U	ug/L	0	WA
		Beryllium, total recoverable		<1.6		<1.6	1	U	ug/L	0	WA
		Bromochloromethane		<5		<5	1	U	ug/L	0	WA
		Bromodichloromethane		<5		<5	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 74D
ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Bromoform		<5		<5	1	U	ug/L	0	WA
Bromomethane (Methyl bromide)		<10		<10	1	U	ug/L	0	WA
Cadmium, total recoverable		<4.7		<4.7	1	U	ug/L	0	WA
Carbon disulfide		2		<5	1	U	ug/L	0	WA
Carbon tetrachloride		<5		<5	1	U	ug/L	0	WA
Chlorobenzene		<5		<5	1	U	ug/L	0	WA
Chloroethane		<10		<10	1	U	ug/L	0	WA
Chloroethene (Vinyl chloride)		<10		<10	1	U	ug/L	0	WA
Chloroform		<5		<5	1	U	ug/L	0	WA
Chloromethane (Methyl chloride)		<10		<10	1	U	ug/L	0	WA
Chloroprene		<5		<5	1	U	ug/L	0	WA
Chromium, total recoverable		<7		<7	1	U	ug/L	0	WA
Cobalt, total recoverable		<4.5		<1.2	1	U	ug/L	0	WA
Copper, total recoverable		<15		<5.1	1	U	ug/L	0	WA
Di-n-butyl phthalate		<1.69		<10	1	U	ug/L	0	WA
Di-n-butyl phthalate		<2					ug/L		
Dibromochloromethane		<5		<5	1	U	ug/L	0	WA
Dibromomethane (Methylene bromide)		<5		<5	1	U	ug/L	0	WA
Dichlorodifluoromethane		<10		<10	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)				<3.69	1	U	ug/L	0	WA
Dichloromethane (Methylene chloride)		<9.65		<4.24	1	U	ug/L	0	WA
Ethylbenzene		<5		<5	1	U	ug/L	0	WA
Iodomethane (Methyl iodide)		<5		<5	1	U	ug/L	0	WA
Isobutyl alcohol		<100		<100	1	U	ug/L	0	WA
Lead, total recoverable		<47		<47	1	U	ug/L	0	WA
Lindane		<.051					ug/L		
Methacrylonitrile		<10		<10	1	U	ug/L	0	WA
Methyl ethyl ketone		<10		<10	1	U	ug/L	0	WA
Methyl isobutyl ketone		<10		<10	1	U	ug/L	0	WA
Nickel, total recoverable		<26		<26	1	U	ug/L	0	WA
Propionitrile		<50		<50	1	U	ug/L	0	WA
Selenium, total recoverable		<66		<66	1	U	ug/L	0	WA
Silver, total recoverable		1.6		<5	1	U	ug/L	0	WA
Specific conductance		21		20.1	1		uS/cm	0	WA
Styrene		<5		<5	1	U	ug/L	0	WA
Tetrachloroethylene		<5		<5	1	U	ug/L	0	WA
Thallium, total recoverable		<55		<55	1	U	ug/L	0	WA
Toluene		<5		<5	1	U	ug/L	0	WA
Trichloroethylene		<5		<5	1	U	ug/L	0	WA
Trichlorofluoromethane				1.92	1	J	ug/L	0	WA
Trichlorofluoromethane				2.17	1	J	ug/L	0	WA
Trichlorofluoromethane		3.9		2.38	1	J	ug/L	0	WA
Tritium		1.68		1.29	1		pCi/ml	0	TM

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 74D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vanadium, total recoverable		<6.9		<6.9	1	U	ug/L	0	WA
		Vinyl acetate		<10		<10	1	U	ug/L	0	WA
		Xylenes		<5		<5	1	U	ug/L	0	WA
		Zinc, total recoverable		15.3		22.3	1	J	ug/L	0	WA
		beta-Benzene hexachloride				<.051	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	WA
*		pH		5.37		5.62	1	J	pH	0	WA
		trans-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20		<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 75C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N 85856.8	33.290 Deg N	115.6 - 100.6 ft msl	197.8 ft msl	4" PVC	S	M Steed Pond
E 45357.0	81.714 Deg W					

SAMPLE DATE	03/05/97	09/09/97

FIELD DATA

<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>Unit</u>
Water Elevation		159.5		158.45	ft msl
Depth to water		36.1		37.15	ft
pH		4.8		5.1	pH
Sp. Conductance		28		170	uS/cm
Water temperature		26		22.1	deg. C
Alkalinity as CaCO3		2		0	mg/L
Turbidity		.6		.4	NTU
Volumes purged		2.4450		2.1831	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane		<5					ug/L		
1,1,1-Trichloroethane		<5		<5	1	U	ug/L	0	EX
1,1,2,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	EX
1,1,2-Trichloroethane		<5		<5	1	U	ug/L	0	EX
1,1-Dichloroethane		<5		<5	1	U	ug/L	0	EX
1,1-Dichloroethylene		<5		<5	1	U	ug/L	0	EX
1,2,3-Trichloropropane		<5		<5	1	U	ug/L	0	EX
1,2-Dibromo-3-chloropropane		<5		<5	1	U	ug/L	0	EX
1,2-Dibromoethane		<5		<5	1	U	ug/L	0	EX
1,2-Dichlorobenzene		<5		<5	1	U	ug/L	0	EX
1,2-Dichloroethane		<5		<5	1	U	ug/L	0	EX
1,2-Dichloropropane		<5		<5	1	U	ug/L	0	EX
1,4-Dichlorobenzene		<5		<5	1	U	ug/L	0	EX
2-Hexanone		<10		<5	1	U	ug/L	0	EX
Acetone		<10		<5	1	U	ug/L	0	EX
Acetonitrile (Methyl cyanide)		<20					ug/L		
Acrolein		<20		<5	1	U	ug/L	0	EX
Acrylonitrile		<5		<5	1	U	ug/L	0	EX
Allyl chloride		<10					ug/L		
Antimony, total recoverable		<27		<100	1	U	ug/L	0	EX
Arsenic, total recoverable		<40		<500	1	U	ug/L	0	EX
Barium, total recoverable				<5.89	1	U	ug/L	0	EX
Barium, total recoverable		6.5		<7.41	1	U	ug/L	0	EX
Benzene		<5		<5	1	U	ug/L	0	EX
Beryllium, total recoverable		<.19		<5	1	U	ug/L	0	EX
Bromochloromethane		<5		<5	1	U	ug/L	0	EX

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

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WELL: LFW 75C
ANALYTICAL DATA

H	ST	Analyte	1Q97	2Q97	3Q97	4Q97	DF	Mod	Unit	Flag	Lab
		Bromodichloromethane		<5		<5	1	U	ug/L	0	EX
		Bromoform		<5		<5	1	U	ug/L	0	EX
		Bromomethane (Methyl bromide)		<10		<5	1	U	ug/L	0	EX
		Cadmium, total recoverable		<4.7		<5	1	U	ug/L	0	EX
		Carbon disulfide		<5		<5	1	U	ug/L	0	EX
		Carbon tetrachloride		<5		<5	1	U	ug/L	0	EX
		Chlorobenzene		<5		<5	1	U	ug/L	0	EX
		Chloroethane		<10		<5	1	U	ug/L	0	EX
		Chloroethene (Vinyl chloride)		<10		<5	1	U	ug/L	0	EX
		Chloroform		<5		<5	1	U	ug/L	0	EX
		Chloromethane (Methyl chloride)		<10		<5	1	U	ug/L	0	EX
		Chloroprene		<5					ug/L		
		Chromium, total recoverable		<7		<10	1	U	ug/L	0	EX
		Cobalt, total recoverable		.53		<20	1	U	ug/L	0	EX
		Copper, total recoverable		<15		<10	1	U	ug/L	0	EX
		Di-n-butyl phthalate		<1.64		<10	1	U	ug/L	0	EX
		Dibromochloromethane		<5		<5	1	U	ug/L	0	EX
		Dibromomethane (Methylene bromide)		<5		<5	1	U	ug/L	0	EX
		Dichlorodifluoromethane		<10		<5	1	U	ug/L	0	EX
		Dichloromethane (Methylene chloride)		<3.34		<5	1	U	ug/L	0	EX
		Ethylbenzene		<5		<5	1	U	ug/L	0	EX
		Iodomethane (Methyl iodide)		<5		<5	1	U	ug/L	0	EX
		Isobutyl alcohol		<100					ug/L		
		Lead, total recoverable		<47		<100	1	U	ug/L	0	EX
		Lindane		<.051					ug/L		
		Methacrylonitrile		<10					ug/L		
		Methyl ethyl ketone		<10		<5	1	U	ug/L	0	EX
		Methyl isobutyl ketone		<10		<5	1	U	ug/L	0	EX
		Nickel, total recoverable		<26		<40	1	U	ug/L	0	EX
		Propionitrile		<50					ug/L		
		Selenium, total recoverable		<66		<200	1	U	ug/L	0	EX
		Silver, total recoverable		<5		<20	1	U	ug/L	0	EX
		Specific conductance		31		32	1		uS/cm	0	EX
		Styrene		<5		<5	1	U	ug/L	0	EX
		Tetrachloroethylene		<5		<5	1	U	ug/L	0	EX
		Thallium, total recoverable		<55		<500	1	U	ug/L	0	EX
		Toluene		<5		<5	1	U	ug/L	0	EX
		Trichloroethylene		<5		<5	1	U	ug/L	0	EX
		Trichlorofluoromethane		<5		<5	1	U	ug/L	0	EX
		Tritium				.92	1		pCi/ml	0	TM
		Tritium		1.11		1.3	1		pCi/ml	0	TM
		Vanadium, total recoverable		<6.9		<10	1	U	ug/L	0	EX
		Vinyl acetate		<10		<5	1	U	ug/L	0	EX

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 75C
ANALYTICAL DATA

<u>H ST Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
Xylenes		<5					ug/L		
Zinc, total recoverable				53.8	1		ug/L	0	EX
Zinc, total recoverable		24.3		55.9	1		ug/L	0	EX
beta-Benzene hexachloride				<.05	1	U	ug/L	0	EX
cis-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	EX
cis-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	EX
m/p-Xylene				<10	1	U	ug/L	0	EX
o-Xylene				<5	1	U	ug/L	0	EX
pH		5.12		5.2	1		pH	0	EX
trans-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	EX
trans-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	EX
trans-1,4-Dichloro-2-butene		<20					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.
 * = exceeded holding time for fourth quarter 1997.
 + = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 75D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N 85868.0	33.290 Deg N	166.0 - 151.0 ft msl	198.2 ft msl	4" PVC	S	U Steed Pond
E 45355.6	81.714 Deg W					

SAMPLE DATE	03/05/97	09/08/97

FIELD DATA

Analyte	1097	2097	3097	4097	Unit
Water Elevation		159.6		158.91	ft msl
Depth to water		36.4		37.09	ft
pH		5.2		5	pH
Sp. Conductance		22		26	uS/cm
Water temperature		27		21	deg. C
Alkalinity as CaCO3		3		2	mg/L
Turbidity		1.1		1	NTU
Volumes purged		4.7990		4.6742	well volumes
Sampling code					

ANALYTICAL DATA

H ST Analyte	1097	2097	3097	4097	DF	Mod	Unit	Flag	Lab
1,1,1,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
1,1,1-Trichloroethane		<5		<5	1	U	ug/L	0	WA
1,1,2,2-Tetrachloroethane		<5		<5	1	U	ug/L	0	WA
1,1,2-Trichloroethane		<5		<5	1	U	ug/L	0	WA
1,1-Dichloroethane		<5		<5	1	U	ug/L	0	WA
1,1-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
1,2,3-Trichloropropane		<5		<5	1	U	ug/L	0	WA
1,2-Dibromo-3-chloropropane		<5		<5	1	U	ug/L	0	WA
1,2-Dibromoethane		<5		<5	1	U	ug/L	0	WA
1,2-Dichlorobenzene		<5		<5	1	U	ug/L	0	WA
1,2-Dichloroethane		<5		<5	1	U	ug/L	0	WA
1,2-Dichloropropane		<5		<5	1	U	ug/L	0	WA
1,4-Dichlorobenzene		<5		<5	1	U	ug/L	0	WA
2-Hexanone		<10		<10	1	U	ug/L	0	WA
Acetone		<3.97		<5.41	1	U	ug/L	0	WA
Acetone		<6.21					ug/L		
Acetone		<6.65					ug/L		
Acetonitrile (Methyl cyanide)		<20		<20	1	U	ug/L	0	WA
Acrolein		<20		<20	1	U	ug/L	0	WA
Acrylonitrile		<5		<5	1	U	ug/L	0	WA
Allyl chloride		<10		<10	1	U	ug/L	0	WA
Antimony, total recoverable		<27		<27	1	U	ug/L	0	WA
Arsenic, total recoverable		<40		<40	1	U	ug/L	0	WA
Barium, total recoverable		9.4		9.4	1		ug/L	0	WA
Benzene		<5		<5	1	U	ug/L	0	WA
Beryllium, total recoverable		<1.6		3.7	1	J	ug/L	1	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 75D

ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bromochloromethane		<5		<5	1	U	ug/L	0	WA
		Bromodichloromethane		<5		<5	1	U	ug/L	0	WA
		Bromoform		<5		<5	1	U	ug/L	0	WA
		Bromomethane (Methyl bromide)		<10		<10	1	U	ug/L	0	WA
		Cadmium, total recoverable		<4.7		<4.7	1	U	ug/L	0	WA
		Carbon disulfide		<5		<5	1	U	ug/L	0	WA
		Carbon tetrachloride		<5		<5	1	U	ug/L	0	WA
		Chlorobenzene		<5		<5	1	U	ug/L	0	WA
		Chloroethane		<10		<10	1	U	ug/L	0	WA
		Chloroethene (Vinyl chloride)		<10		<10	1	U	ug/L	0	WA
		Chloroform		<5		<5	1	U	ug/L	0	WA
		Chloromethane (Methyl chloride)		<10		<10	1	U	ug/L	0	WA
		Chloroprene		<5		<5	1	U	ug/L	0	WA
		Chromium, total recoverable		<7		<7	1	U	ug/L	0	WA
		Cobalt, total recoverable		.99		<4.5	1	U	ug/L	0	WA
		Copper, total recoverable		<15		<15	1	U	ug/L	0	WA
*		Di-n-butyl phthalate		<2.65		<10	1	UJ	ug/L	0	WA
		Dibromochloromethane		<5		<5	1	U	ug/L	0	WA
		Dibromomethane (Methylene bromide)		<5		<5	1	U	ug/L	0	WA
		Dichlorodifluoromethane		<10		<10	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<2.56		<6.44	1	U	ug/L	0	WA
		Dichloromethane (Methylene chloride)		<3.7					ug/L		
		Dichloromethane (Methylene chloride)		<8.98					ug/L		
		Ethylbenzene		<5		<5	1	U	ug/L	0	WA
		Iodomethane (Methyl iodide)		<5		<5	1	U	ug/L	0	WA
		Isobutyl alcohol		<100		<100	1	U	ug/L	0	WA
		Lead, total recoverable		5.6		9.6	1	J	ug/L	0	WA
		Lindane		<.051					ug/L		
		Methacrylonitrile		<10		<10	1	U	ug/L	0	WA
		Methyl ethyl ketone		<10		<10	1	U	ug/L	0	WA
		Methyl isobutyl ketone		<10		<10	1	U	ug/L	0	WA
		Nickel, total recoverable		<26		<26	1	U	ug/L	0	WA
		Propionitrile		<50		<50	1	U	ug/L	0	WA
		Selenium, total recoverable		<66		<66	1	U	ug/L	0	WA
		Silver, total recoverable		<5		<5	1	U	ug/L	0	WA
		Specific conductance		29.6		27	1		uS/cm	0	WA
		Styrene		<5		<5	1	U	ug/L	0	WA
		Tetrachloroethylene		<5		<5	1	U	ug/L	0	WA
		Thallium, total recoverable		<55		<55	1	U	ug/L	0	WA
		Toluene		<5		<5	1	U	ug/L	0	WA
		Trichloroethylene		<5		<5	1	U	ug/L	0	WA
		Trichlorofluoromethane		<5		<5	1	U	ug/L	0	WA
		Trichlorofluoromethane		1.36					ug/L		

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

+ = exceeded screening level or final primary drinking water standard for fourth quarter 1997.

WELL: LFW 75D
ANALYTICAL DATA

<u>H</u>	<u>ST</u>	<u>Analyte</u>	<u>1Q97</u>	<u>2Q97</u>	<u>3Q97</u>	<u>4Q97</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium				1.56	1		pCi/ml	0	TM
		Tritium		1.59		1.79	1		pCi/ml	0	TM
		Vanadium, total recoverable		.9		<6.9	1	U	ug/L	0	WA
		Vinyl acetate		<10		<10	1	U	ug/L	0	WA
		Xylenes		<5		<5	1	U	ug/L	0	WA
		Zinc, total recoverable		26.3		17.4	1	J	ug/L	0	WA
		beta-Benzene hexachloride				<.051	1	U	ug/L	0	WA
		cis-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		cis-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	WA
*		pH		5.43		5.42	1	J	pH	0	WA
		trans-1,2-Dichloroethylene		<5		<5	1	U	ug/L	0	WA
		trans-1,3-Dichloropropene		<5		<5	1	U	ug/L	0	WA
		trans-1,4-Dichloro-2-butene		<20		<20	1	U	ug/L	0	WA

Note: Flagging, dilution factors, modifiers, and laboratories are for fourth quarter 1997 data only. See Appendix B for flagging criteria.

* = exceeded holding time for fourth quarter 1997.

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Appendix E

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 are reviewed prior to publication of results. 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; its review of the QA/QC data cannot be completed in time to meet the deadlines for the reports required by the Resource Conservation and Recovery Act and associated regulations. Other 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

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 QA/QC information either at the same time as analytical results or in quarterly summaries. Properly defined and used result modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Result modifiers designed by EPD/EMS and used by the primary laboratories are presented in Appendix D.

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 analysis of results obtained from known samples. The non-radionuclide contract laboratories analyze commercial reference samples every quarter 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 analysis 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 tables associating them with groundwater samples analyzed in the same batches.

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, three acid compounds and three base/neutral compounds are used. 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, but they are not published. 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 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 but are not published. 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 organic 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 published 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 results of duplicate and replicate analyses are presented in those results tables of the quarterly reports which report only one quarter of data, usually during first, second, and third quarters. Duplicate and replicate results are not presented in results tables that report more than one quarter of data, generally provided in the fourth quarter reports. In this case, the results' tables instead present only the highest result for each analyte for each quarter of the year.

The laboratories assess the precision by calculating the relative percent difference (RPD) for each pair of laboratory-initiated duplicate results. One of the contract laboratories uses a data qualifier (J3) to modify metals analyses when the RPD for laboratory duplicates is greater than 20 percent.

Additional statistical comparisons of laboratory duplicate and blind duplicate results, both intra- and inter-laboratory, 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 (intra-laboratory MRD) or all the RPD values from all laboratories for each compound (inter-laboratory 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 1997 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.

Methods Used by the Contract Laboratories

<u>Method</u>	<u>Used to Analyze</u>	<u>Source</u>
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
EPA204.2	Antimony	EPA EMSL, 1983
EPA206.2	Arsenic	EPA EMSL, 1983
EPA239.2	Lead	EPA EMSL, 1983
EPA245.1	Mercury	EPA EMSL, 1983
EPA270.2	Selenium	EPA EMSL, 1983
EPA279.2	Thallium	EPA EMSL, 1983
EPA300.0	Chloride, nitrite, nitrate	EPA EMSL, 1983

<u>Method</u>	<u>Used to Analyze</u>	<u>Source</u>
EPA310.1	Alkalinity	EPA EMSL, 1983
EPA325.2	Chloride	EPA EMSL, 1983
EPA335.3	Cyanide	EPA EMSL, 1983
EPA340.2	Fluoride	EPA EMSL, 1983
EPA353.1	Nitrogen, nitrate-nitrite	EPA EMSL, 1983
EPA353.2	Nitrogen, nitrate, nitrite, or combined	EPA EMSL, 1983
EPA365.1	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA365.2	Phosphorus, all forms (reported as total phosphates)	EPA EMSL, 1983
EPA376.2	Sulfide	EPA EMSL, 1983
EPA413.1	Oil & grease	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
EPA900.0	Gross alpha, nonvolatile beta	EPA EMSL, 1980
EPA900.1	Total alpha-emitting radium	EPA EMSL, 1980
EPA906.0	Tritium	EPA EMSL, 1980
EPA6010	Metals	EPA, 1986
EPA7041	Antimony	EPA, 1986
EPA7060	Arsenic	EPA, 1986
EPA7421	Lead	EPA, 1986
EPA7470	Metals	EPA, 1986
EPA7740	Selenium	EPA, 1986
EPA7841	Thallium	EPA, 1986
EPA8010	Chlorinated volatile organics	EPA, 1986
EPA8080	Organochlorine pesticides and PCBs	EPA, 1986
EPA8150	Chlorinated herbicides	EPA, 1986
EPA8240	GCMS volatiles	EPA, 1986
EPA8270	GCMS semivolatiles	EPA, 1986
EPA8280	Dioxins and furans	EPA, 1986
EPA9012	Cyanide	EPA, 1986
EPA9020	Total organic halogens	EPA, 1986
EPA9020A	Total organic halogens	EPA, 1986
EPA9030	Sulfide	EPA, 1986
EPA9060	Dissolved organic carbon, total inorganic carbon, total organic carbon	EPA, 1986

An example of available method-specific QA/QC information is that for the analysis of metals by EPA Method 6010/200.7 (EPA, 1986/EPA EMSL, 1983). The primary laboratories, General Engineering Laboratories (GE) and Roy F. Weston, Inc. (Weston), use this inductively coupled plasma (ICP) atomic emission spectrometric method.

The following precision and accuracy data are based on the experience of seven laboratories that applied the ICP technique to acid-distilled water matrices that had been spiked with various metal concentrates. (Note: Not all seven laboratories analyzed all 14 elements.) The references give results for samples having three concentration ranges; the results here are for samples having the lowest values, similar to actual groundwater results for SRS.

ICP Precision and Accuracy Data

<u>Element</u>	<u>True value (µg/L)</u>	<u>Mean Reported Value (µg/L)</u>	<u>Mean percent RSD^a</u>
Aluminum	60	62	33
Arsenic	22	19	23
Beryllium	20	20	9.8
Cadmium	2.5	2.9	16
Chromium	10	10	18
Cobalt	20	20	4.1

<u>Element</u>	<u>True value (µg/L)</u>	<u>Mean Reported Value (µg/L)</u>	<u>Mean percent RSD^a</u>
Copper	11	11	40
Iron	20	19	15
Lead	24	30	32
Manganese	15	15	6.7
Nickel	30	28	11
Selenium	6	8.5	42
Vanadium	70	69	2.9
Zinc	16	19	45

^a Relative standard deviation. In EPA (1986), the column heading is Mean Standard Deviation (%).

As another example, EPA Method 601/8010 (EPA, 1991/EPA, 1986) is used by both GE and Weston for analyses of halogenated volatile organics. In the presentation of the method in both references, 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.

Accuracy and Precision as Functions of Concentration for EPA Method 601/8010

<u>Parameter</u>	<u>Accuracy as recovery, X'^a (µg/L)</u>	<u>Single analyst precision (µg/L)^b</u>	<u>Overall precision (µg/L)^c</u>
Bromodichloromethane	1.12C-1.02 ^d	0.11X+0.04 ^e	0.20X+1.00
Bromoform	0.96C-2.05	0.12X+0.58	0.21X+2.41
Bromomethane	0.76C-1.27	0.28X+0.27	0.36X+0.94
Carbon tetrachloride	0.98C-1.04	0.15X+0.38	0.20X+0.39
Chlorobenzene	1.00C-1.23	0.15X-0.02	0.18X+1.21
Chloroethane	0.99C-1.53	0.14X-0.13	0.17X+0.63
2-Chloroethyl vinyl ether ^f	1.00C	0.20X	0.35X
Chloroform	0.93C-0.39	0.13X+0.15	0.19X-0.02
Chloromethane	0.77C+0.18	0.28X-0.31	0.52X+1.31
Dibromochloromethane	0.94C+2.72	0.11X+1.10	0.24X+1.68
1,2-Dichlorobenzene	0.93C+1.70	0.20X+0.97	0.13X+6.13
1,3-Dichlorobenzene	0.95C+0.43	0.14X+2.33	0.26X+2.34
1,4-Dichlorobenzene	0.93C-0.09	0.15X+0.29	0.20X+0.41
1,1-Dichloroethane	0.95C-1.08	0.09X+0.17	0.14X+0.94
1,2-Dichloroethane	1.04C-1.06	0.11X+0.70	0.15X+0.94
1,1-Dichloroethene	0.98C-0.87	0.21X-0.23	0.29X-0.40
trans-1,2-Dichloroethene	0.97C-0.16	0.11X+1.46	0.17X+1.46
Dichloromethane (Methylene chloride)	0.91C-0.93	0.11X+0.33	0.21X+1.43
1,2-Dichloropropane ^f	1.00C	0.13X	0.23X
cis-1,3-Dichloropropene ^f	1.00C	0.18X	0.32X
trans-1,3-Dichloropropene ^f	1.00C	0.18X	0.32X
1,1,2,2-Tetrachloroethane	0.95C+0.19	0.14X+2.41	0.23X+2.79
Tetrachloroethylene	0.94C+0.06	0.14X+0.38	0.18X+2.21
1,1,1-Trichloroethane	0.90C-0.16	0.15X+0.04	0.20X+0.37
1,1,2-Trichloroethane	0.86C+0.30	0.13X-0.14	0.19X+0.67
Trichloroethylene	0.87C+0.48	0.13X-0.03	0.23X+0.30
Trichlorofluoromethane	0.89C-0.07	0.15X+0.67	0.26X+0.91
Vinyl chloride	0.97C-0.36	0.13X+0.65	0.27X+0.40

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

^b Expected single analyst standard deviation of measurements.

^c Expected inter-laboratory standard deviation of measurements.

- ^d C = true value for the concentration, in $\mu\text{g/L}$.
^e X = average recovery found for measurements of samples containing a concentration of C, in $\mu\text{g/L}$.
^f Estimates based on performance of a single laboratory.

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- EPA (U.S. Environmental Protection Agency), 1991. *Guidelines Establishing Test Procedures for the Analysis of Pollutants*, **Code of Federal Regulations**, Title 40, Part 136, Appendix A. Washington, DC.
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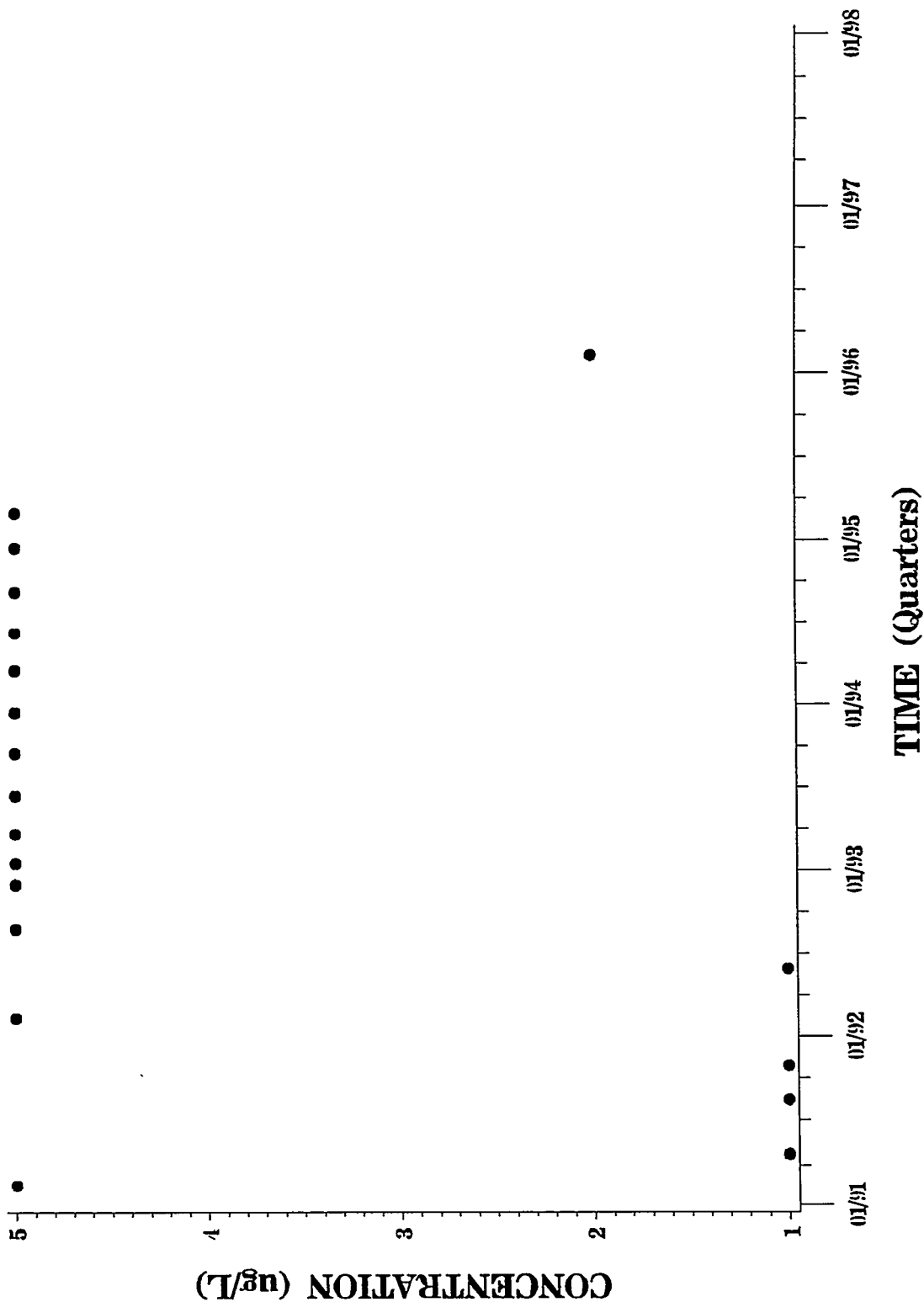
Appendix F

Time Series Plots

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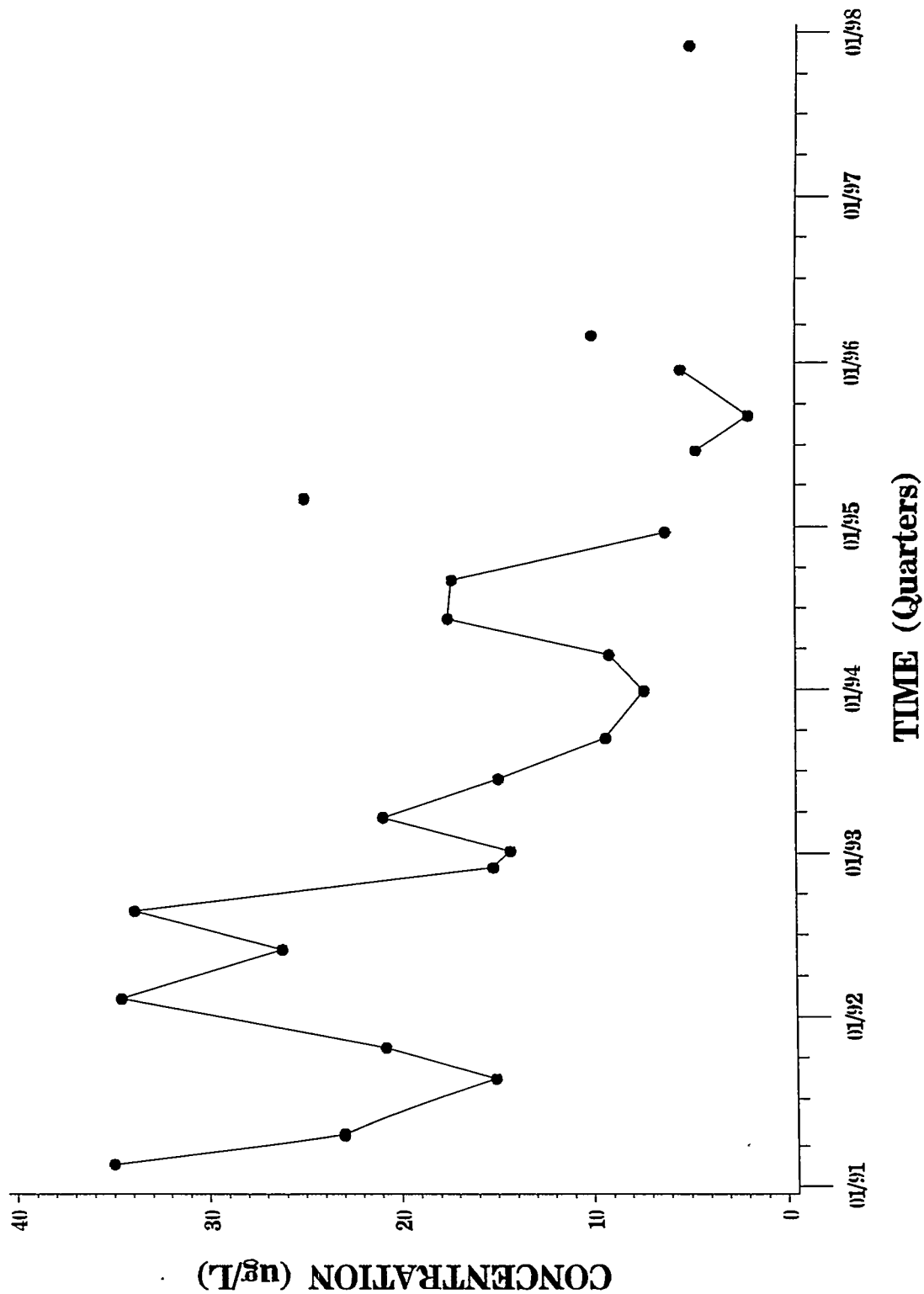
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Time Series Plot of 1,1,1-Trichloroethane Concentration
WELL LFW 8

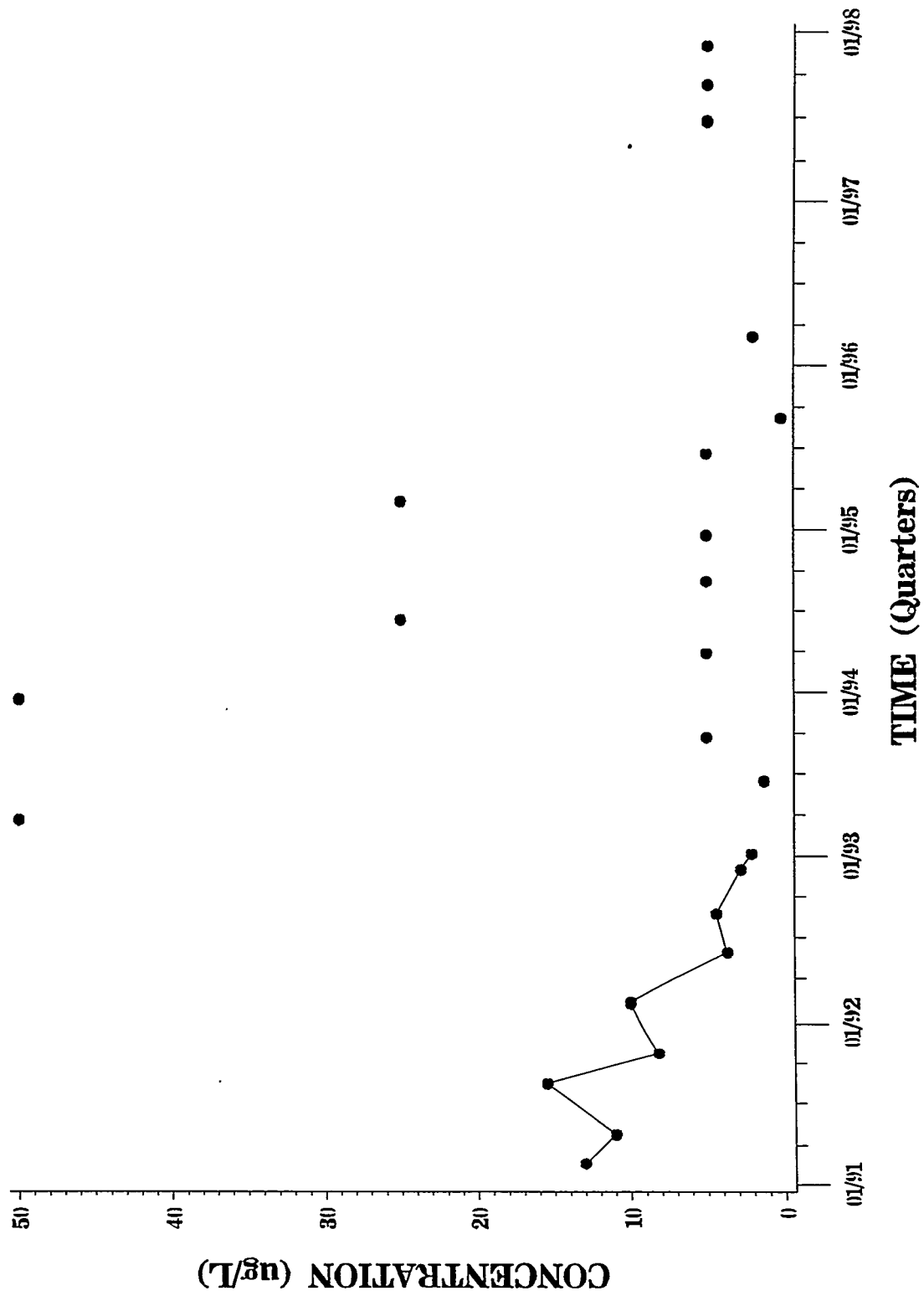


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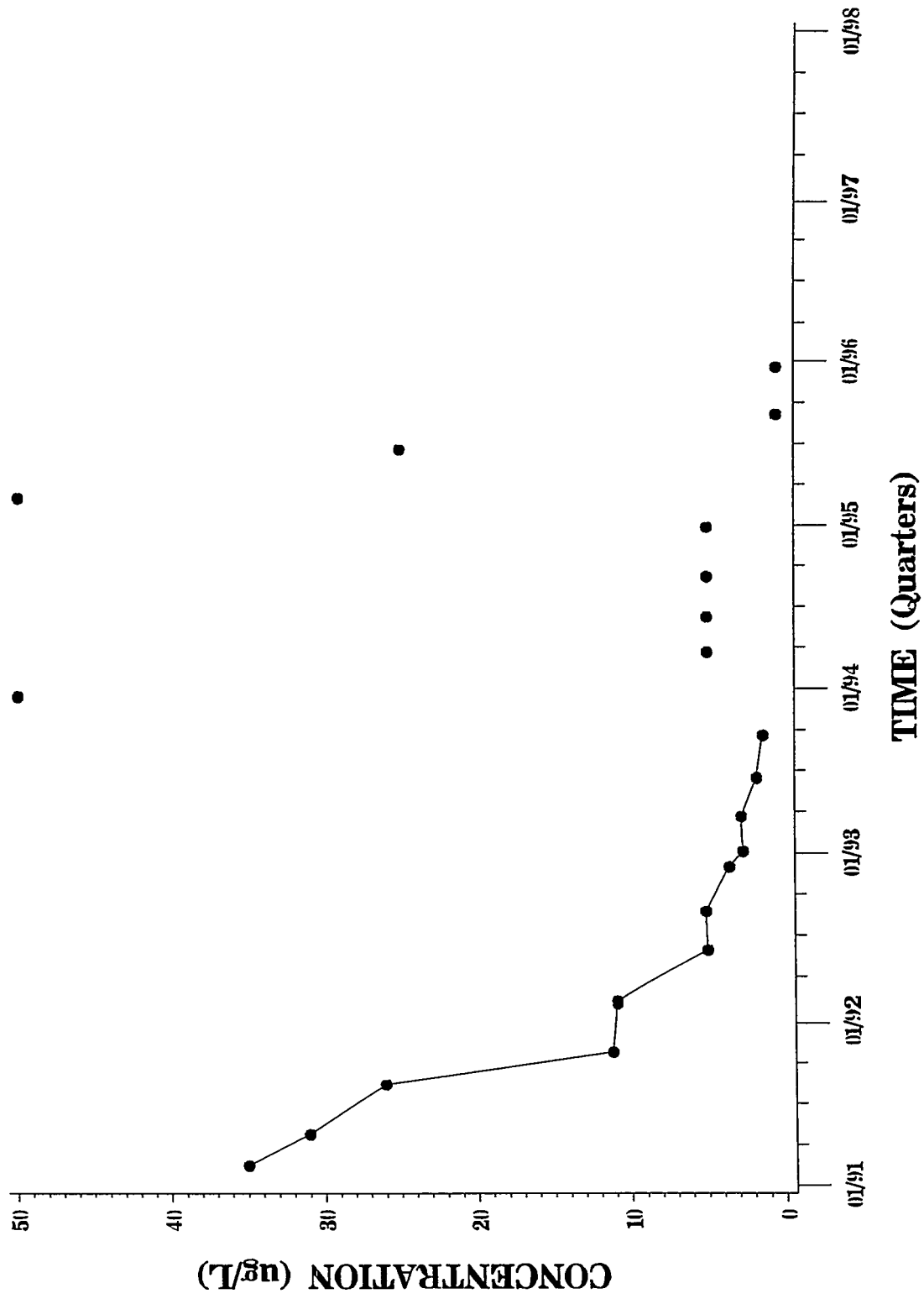
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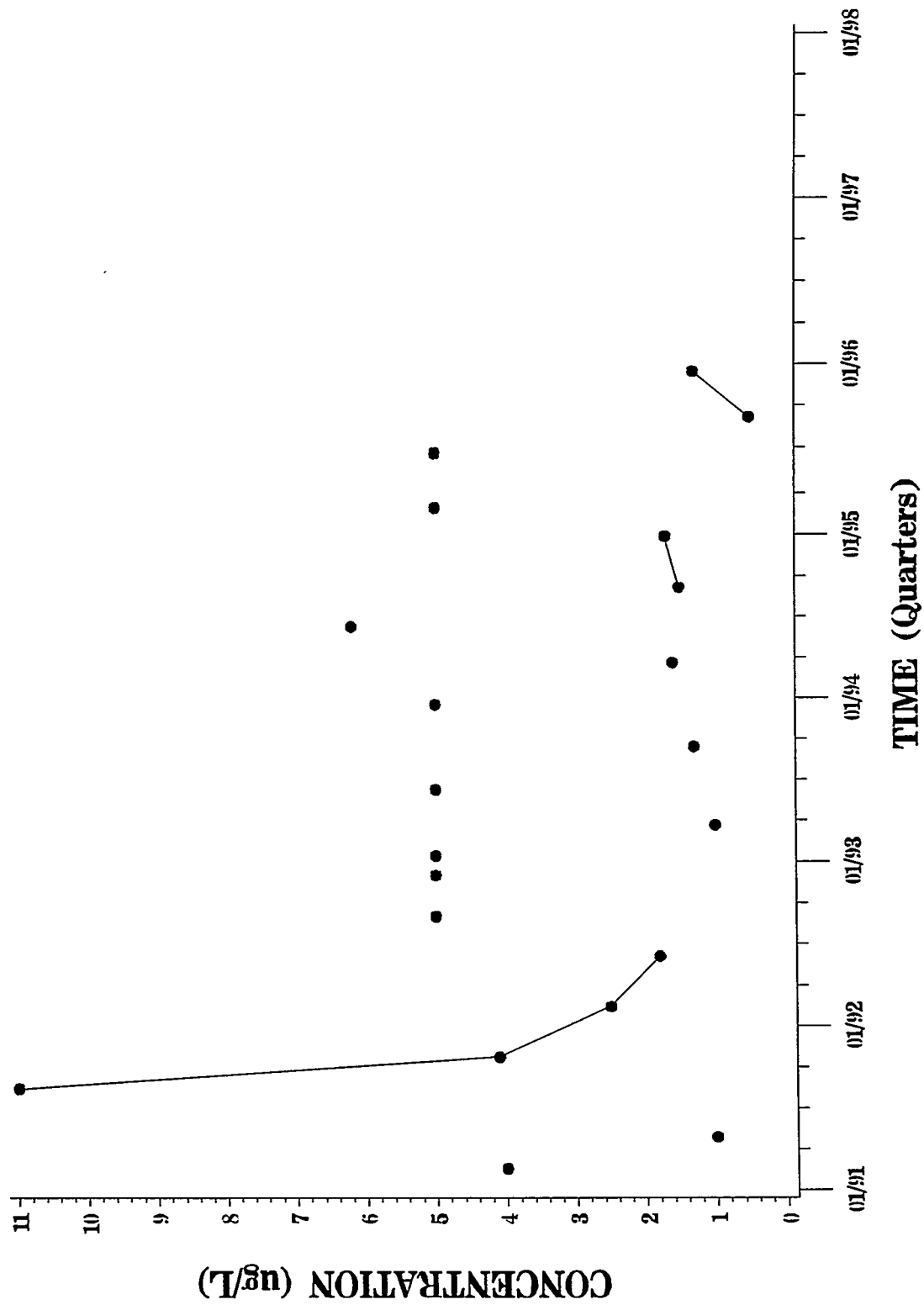


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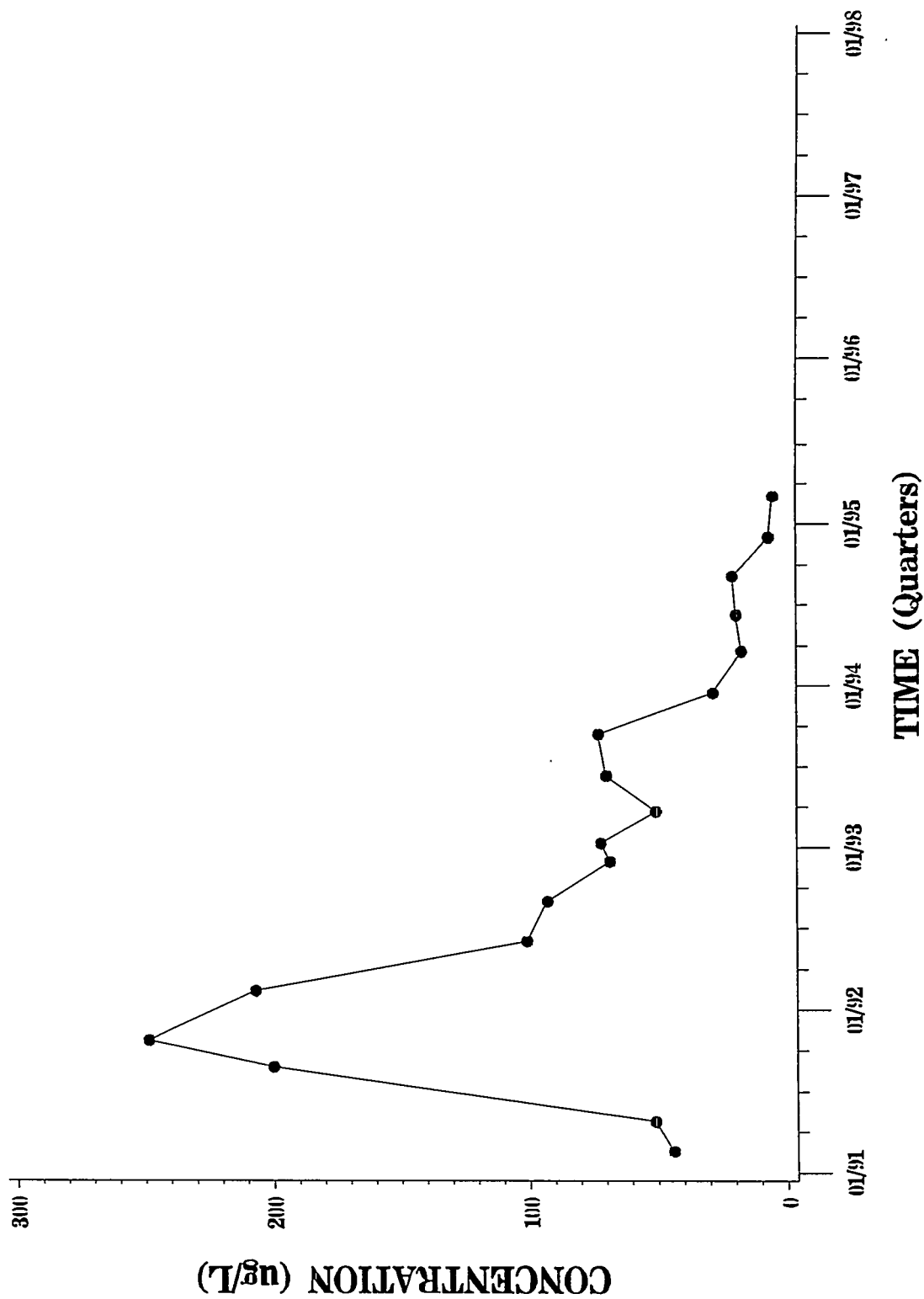
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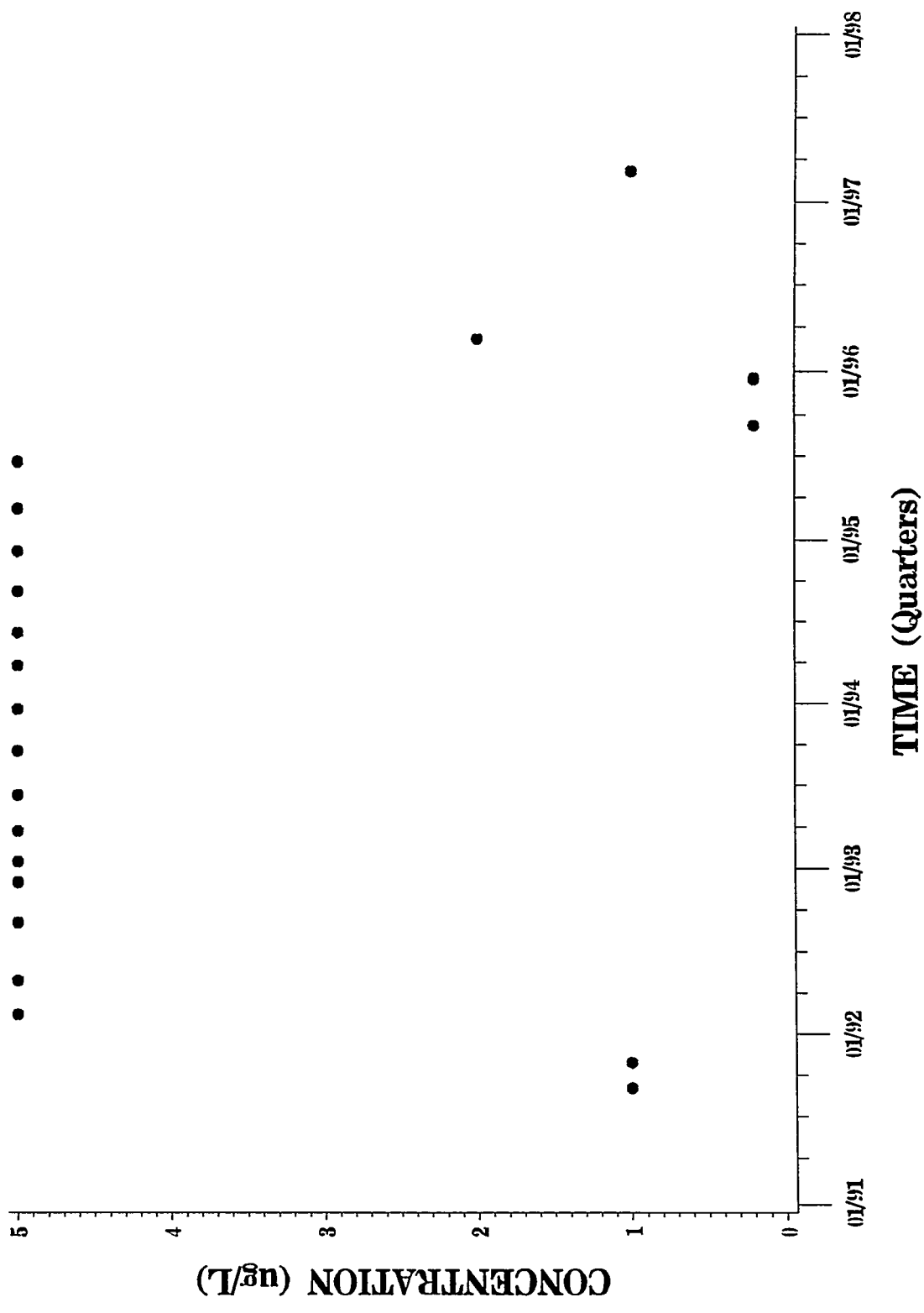
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Time Series Plot of 1,1,1 - Trichloroethane Concentration
WELL LFW 39



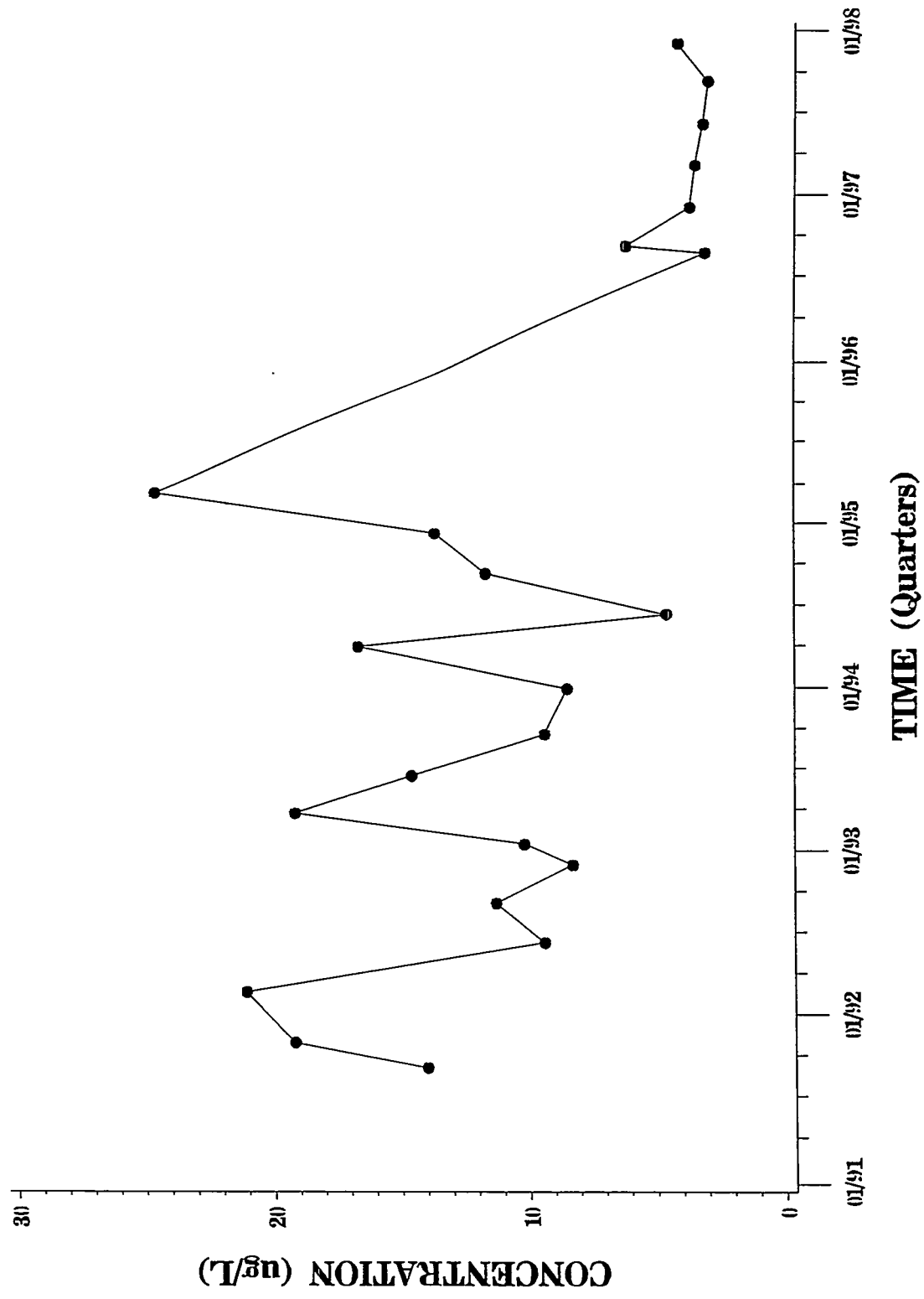
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WELL LFW 48D



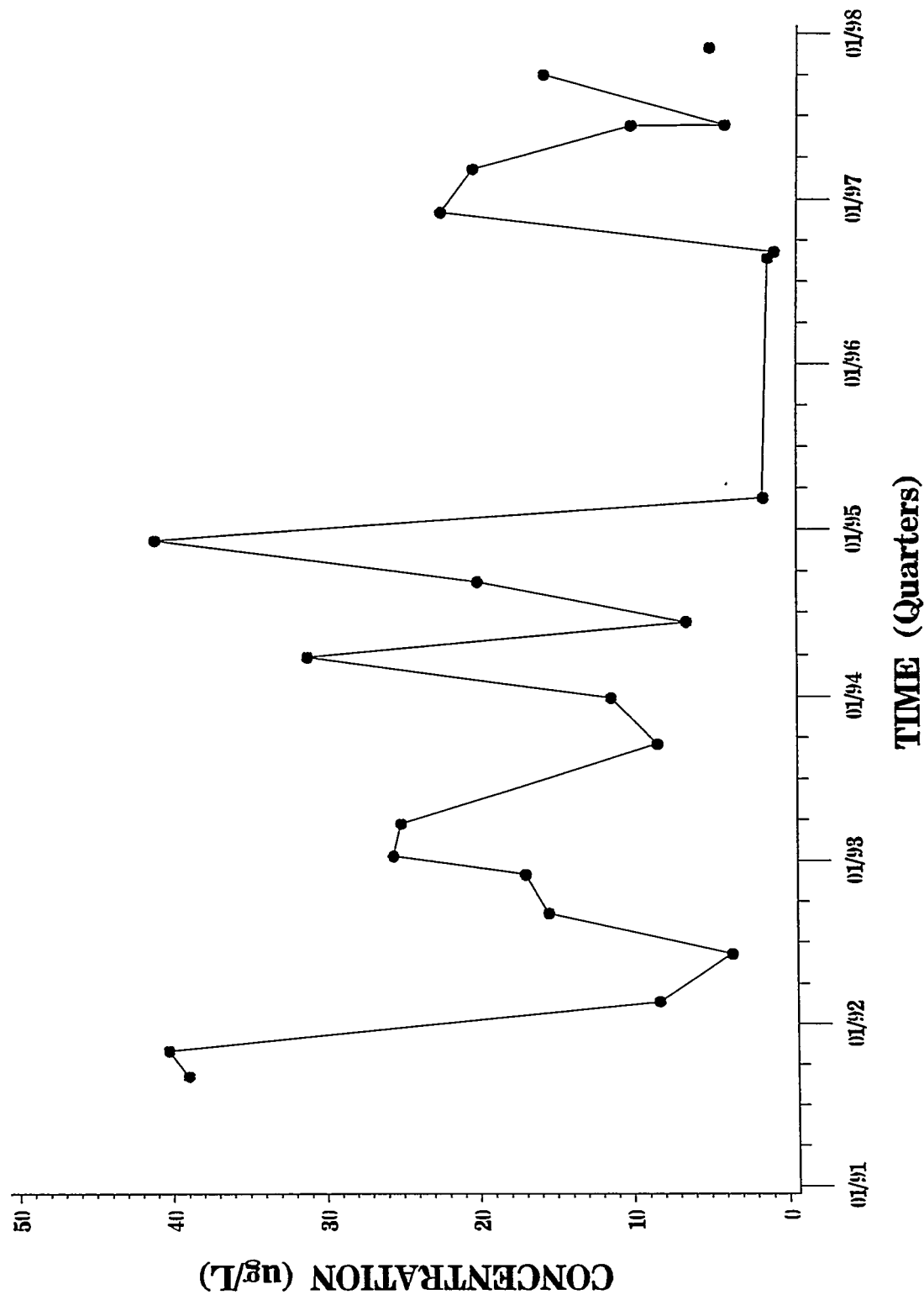
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WELL LFW 58D



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Time Series Plot of 1,1,1-Trichloroethane Concentration
WELL LFW 59D

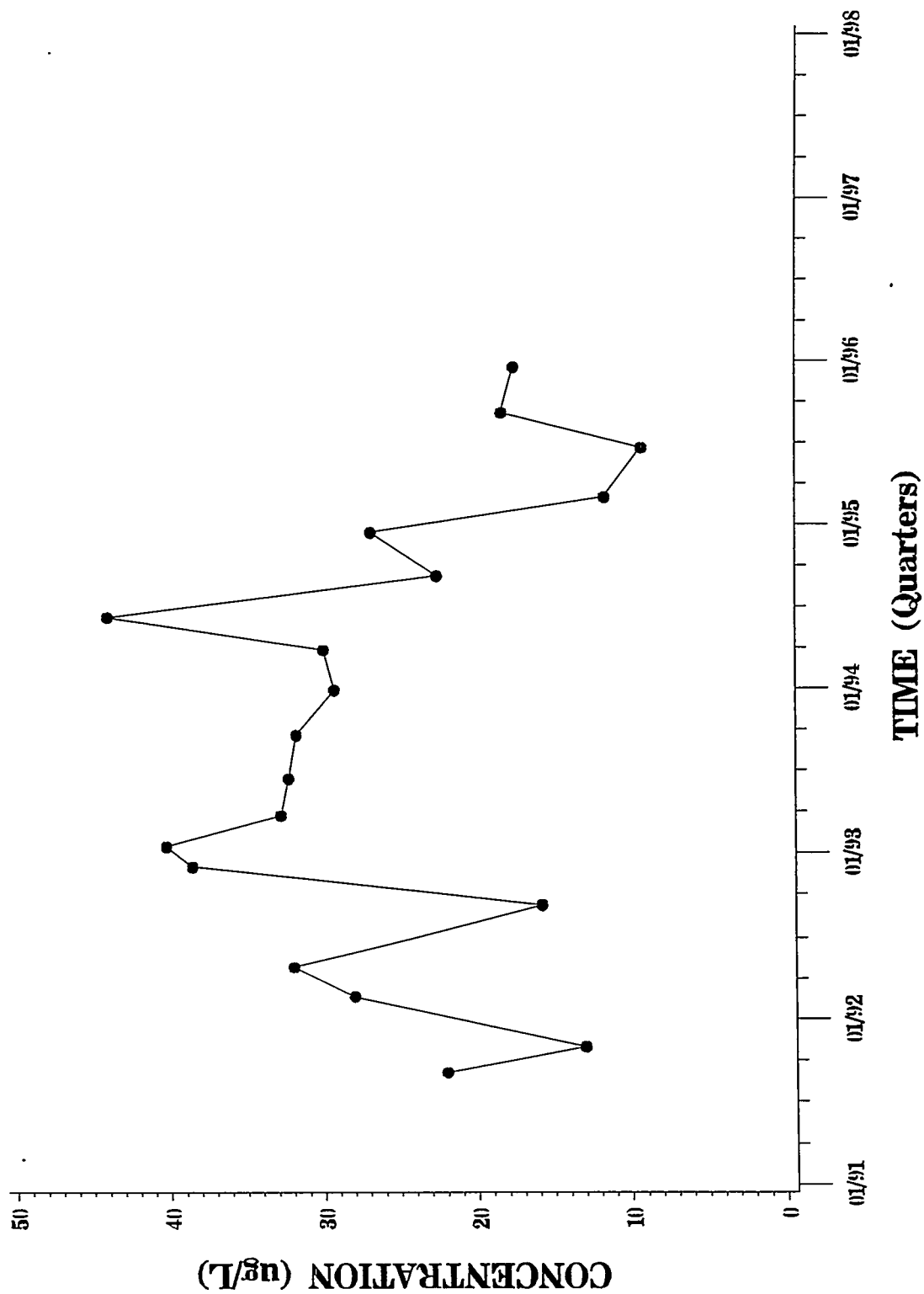


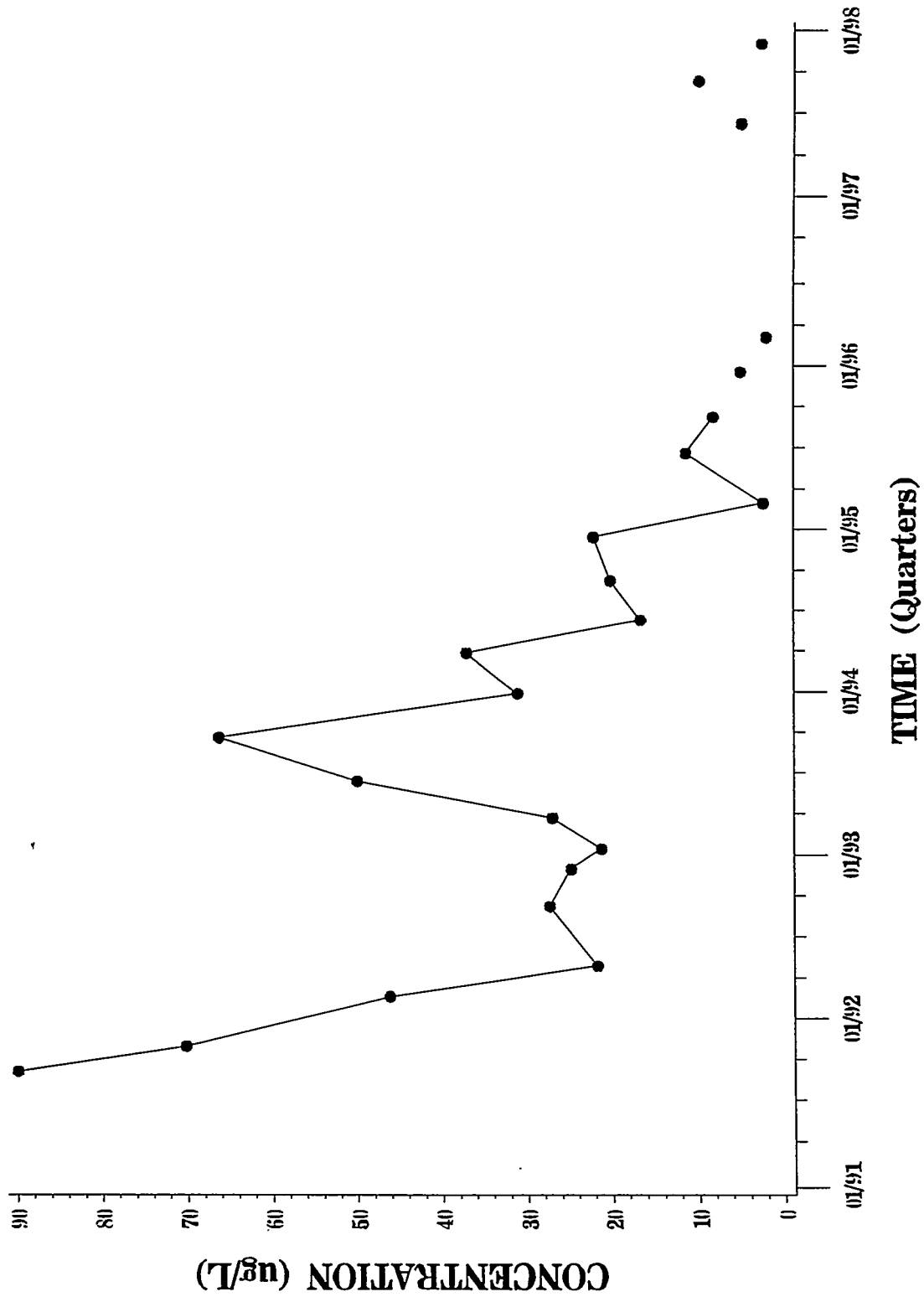
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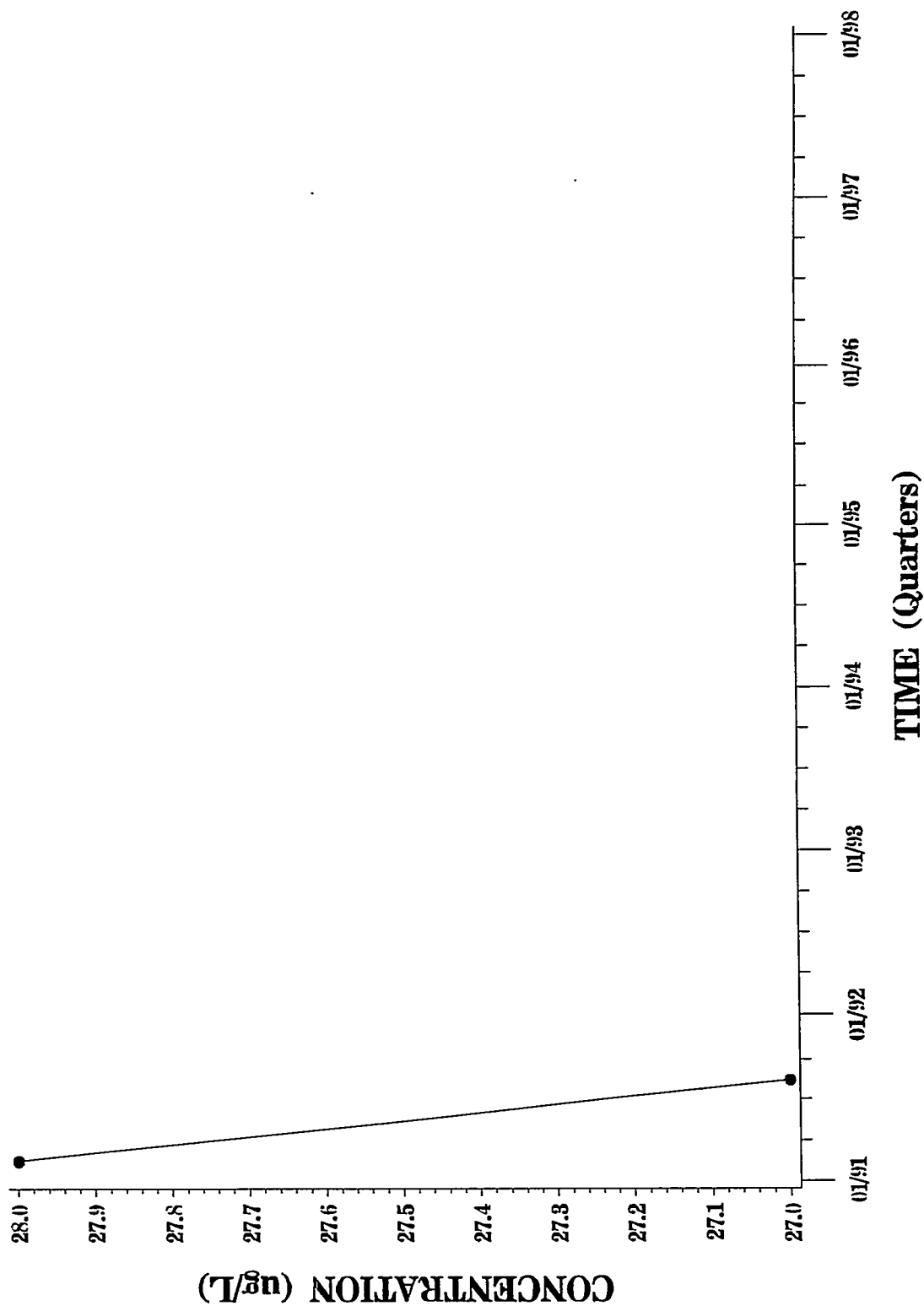
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Time Series Plot of 1,1,1 - Trichloroethane Concentration
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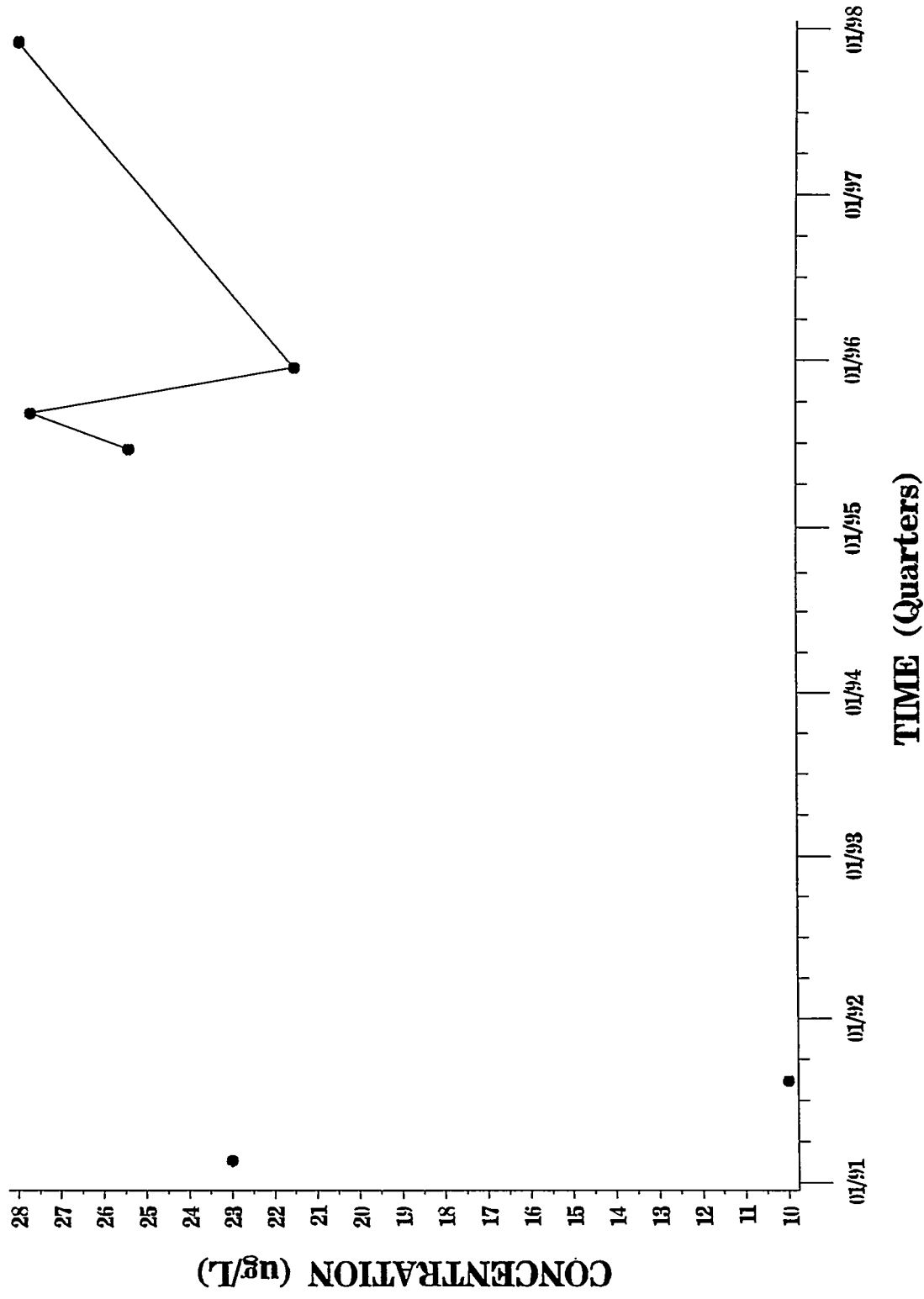




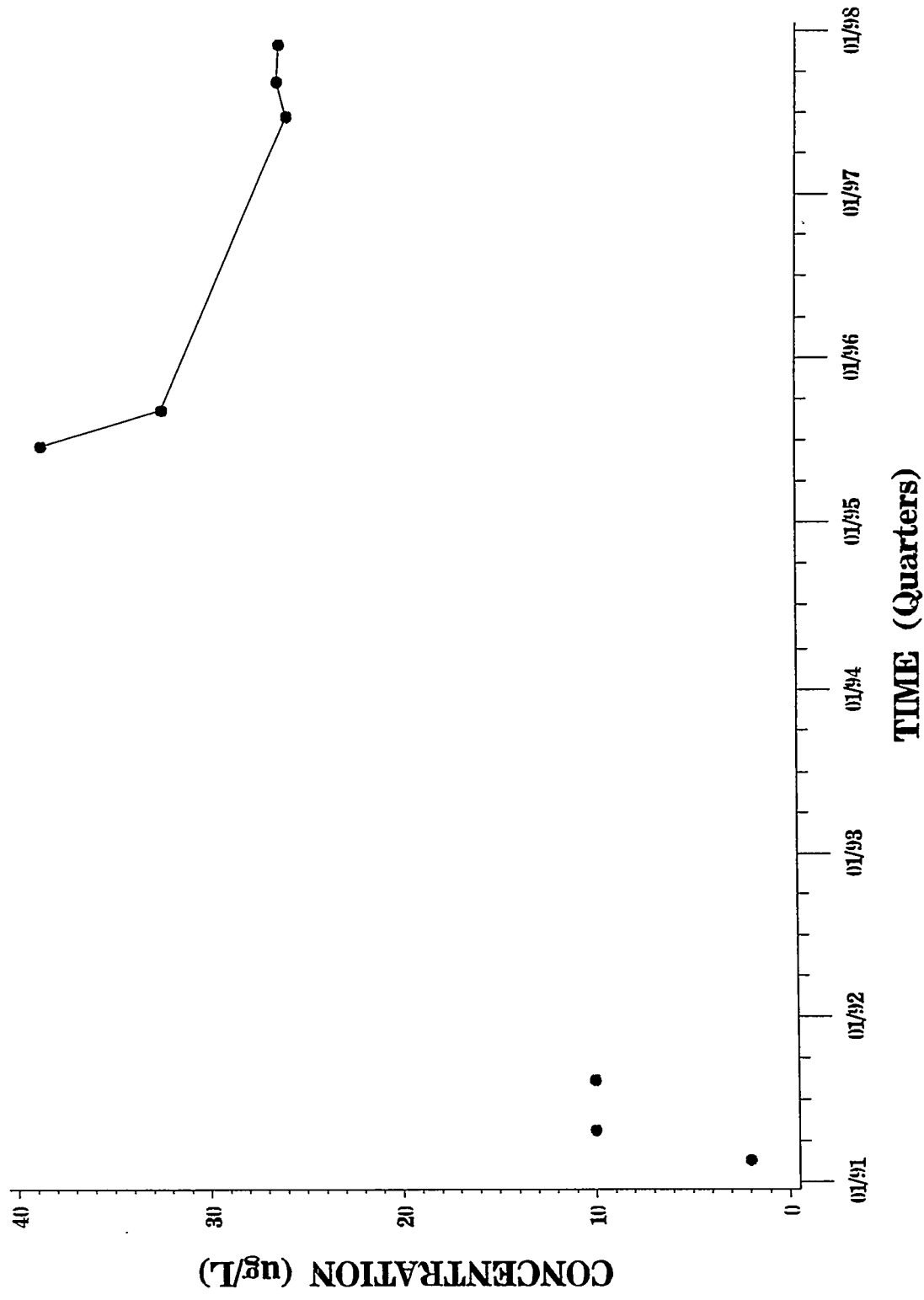
Time Series Plot of 1,4-Dichlorobenzene Concentration
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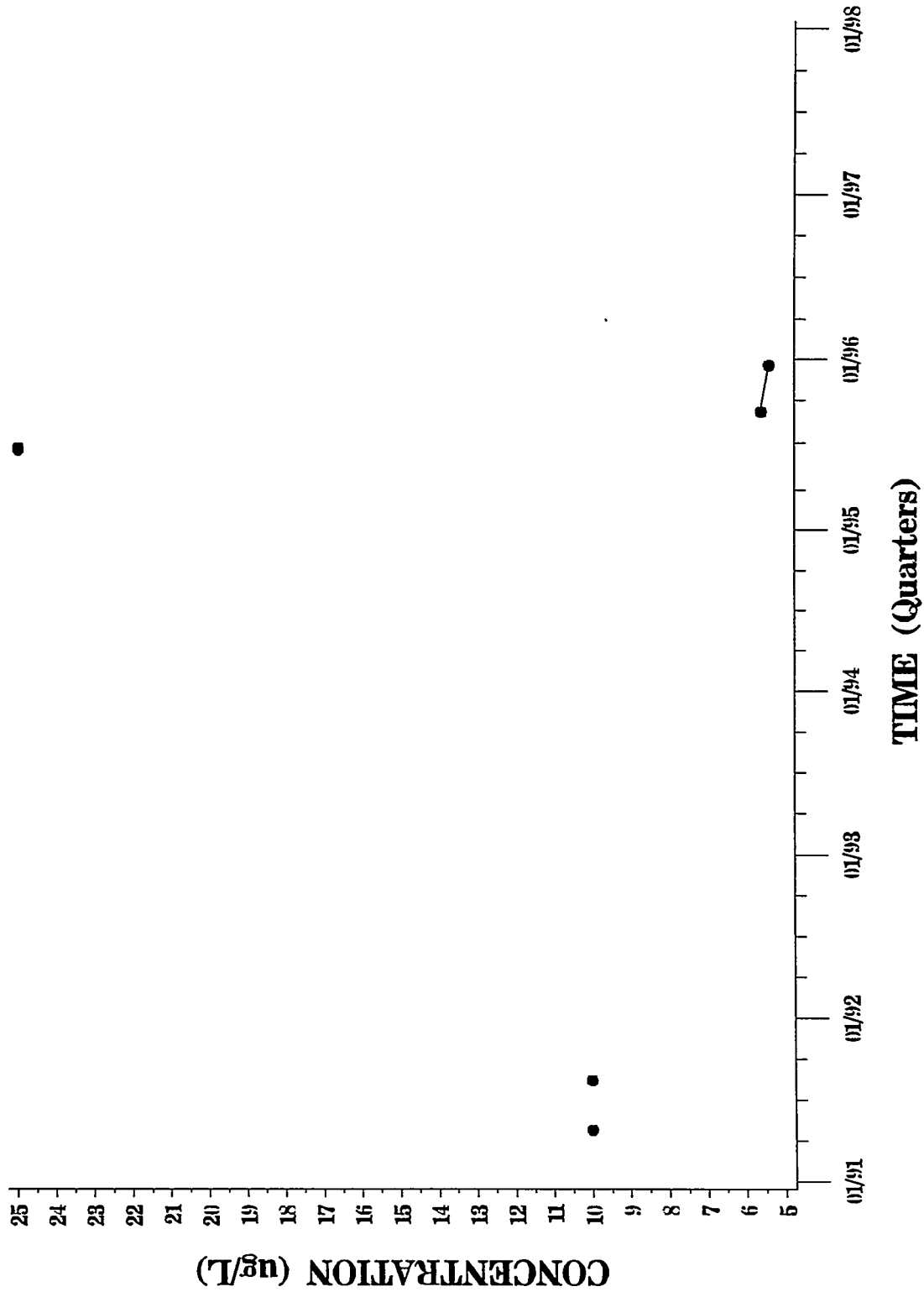
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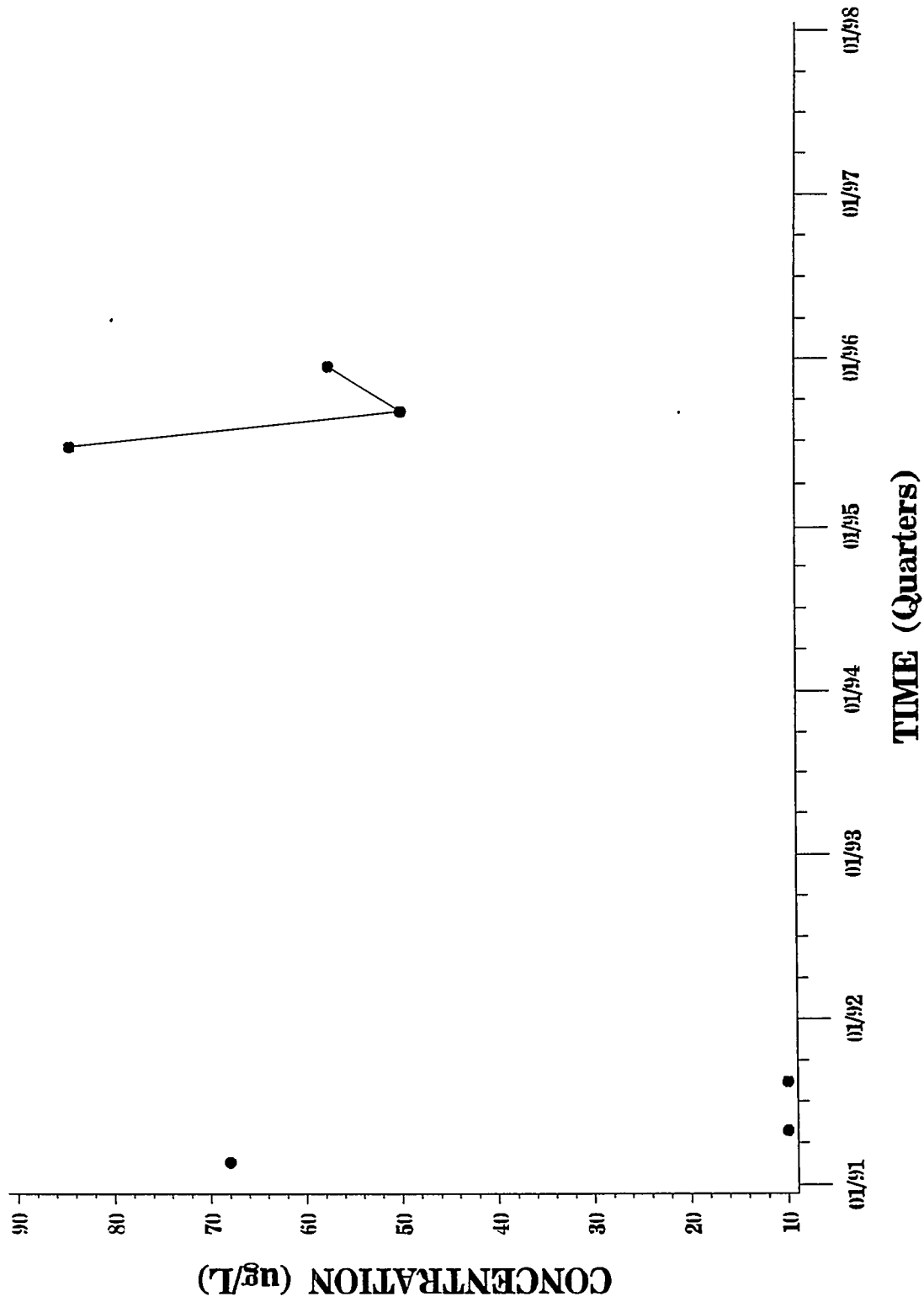
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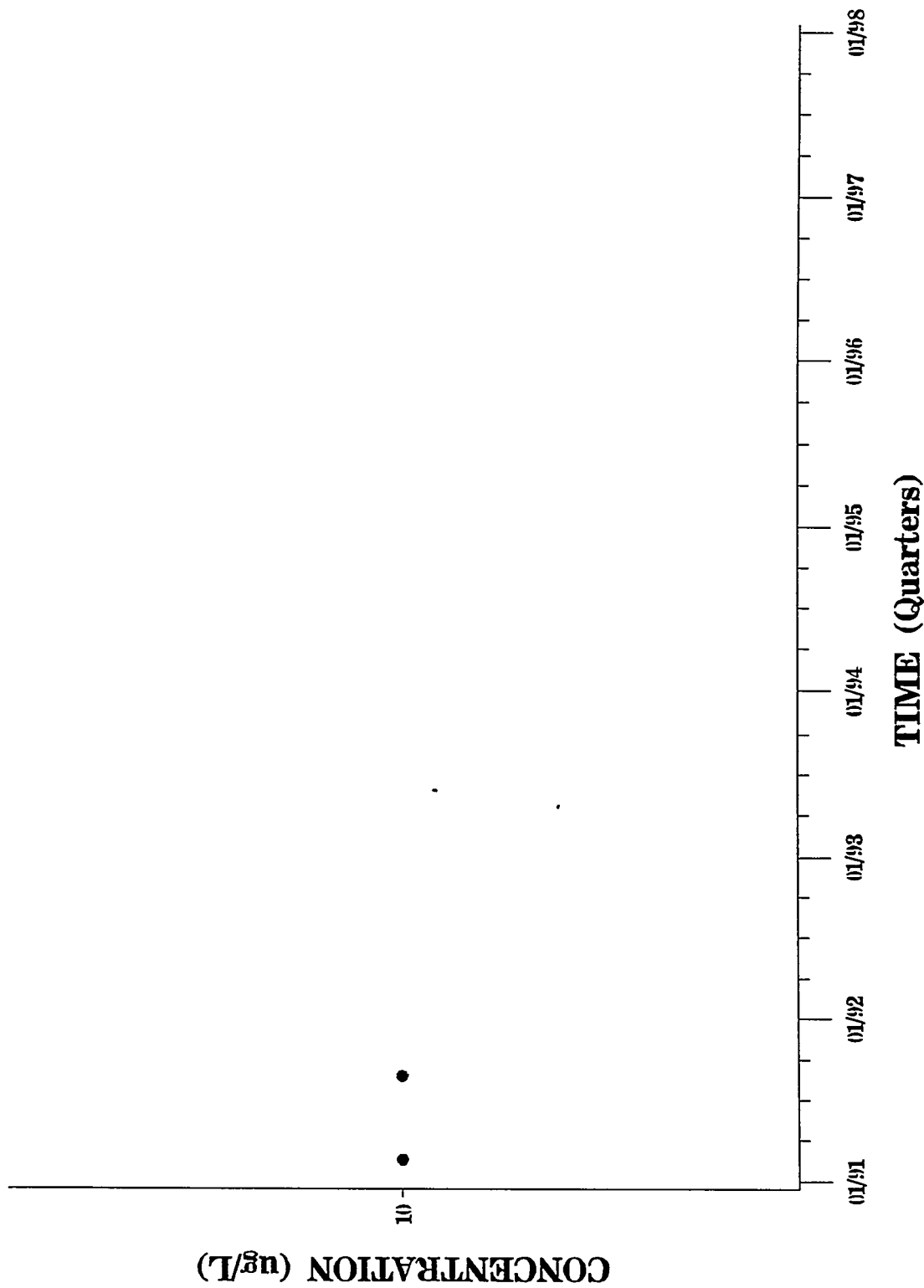


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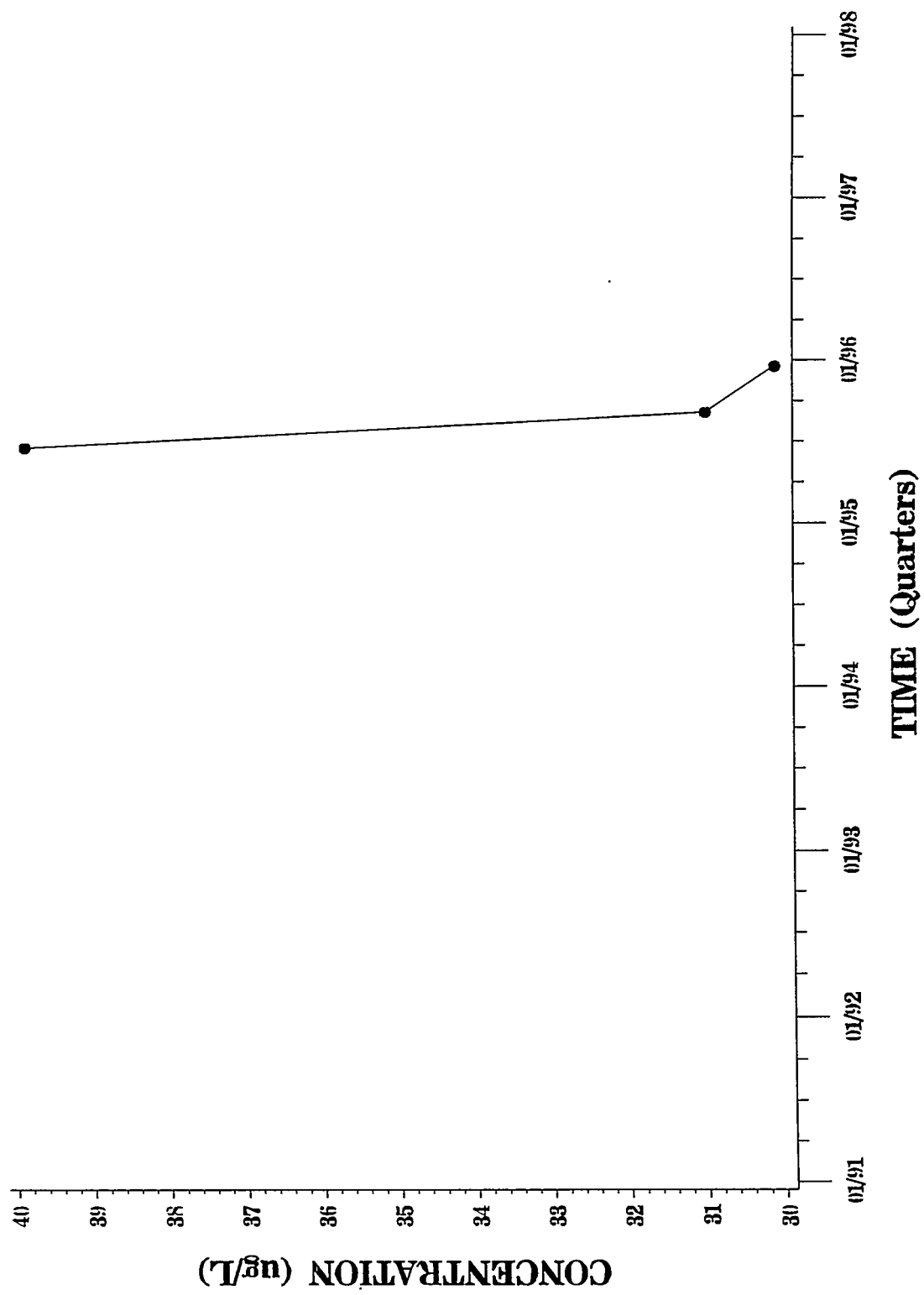
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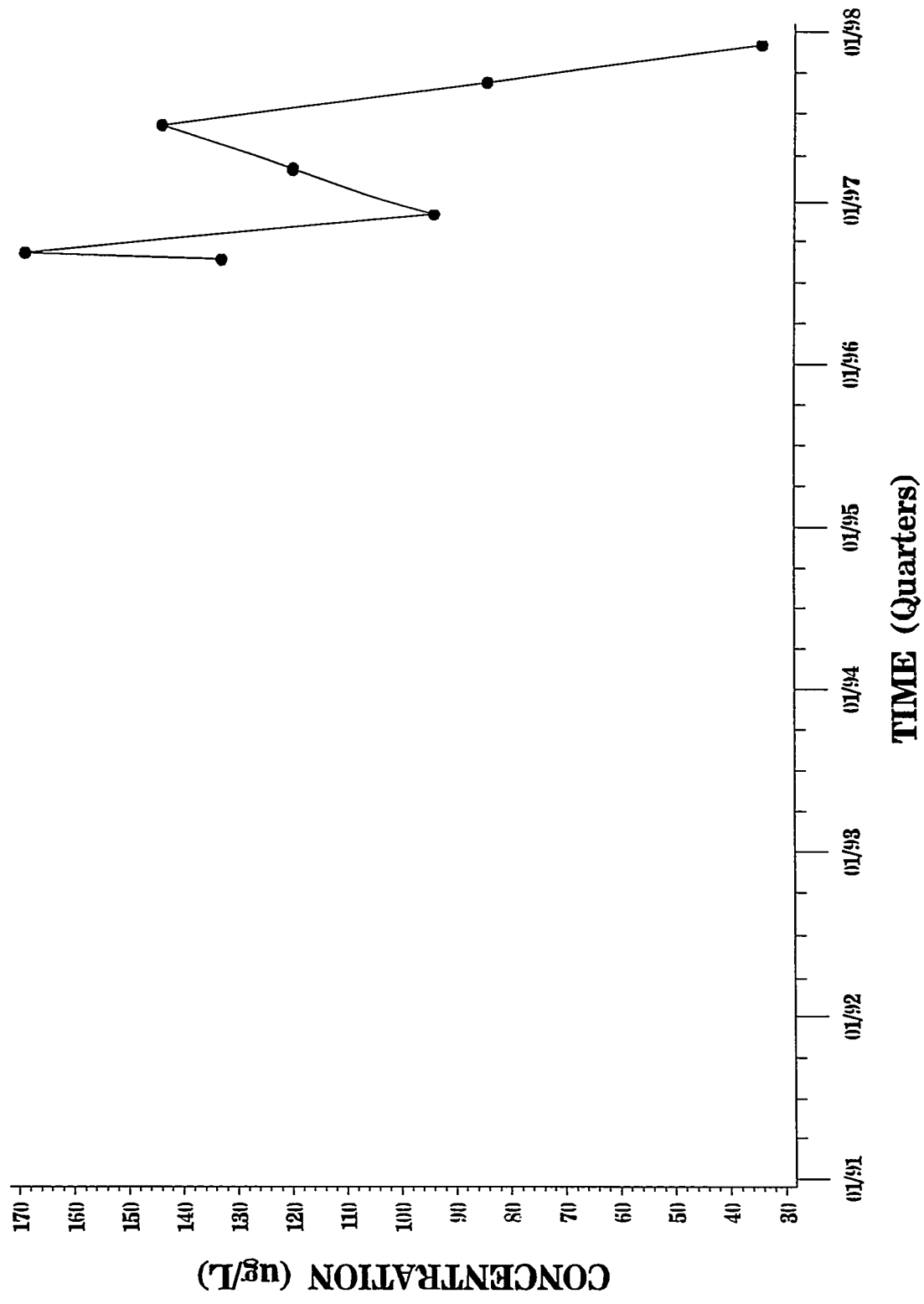
Sanitary Landfill

Fourth Quarter, 1997 & 1997 Summary

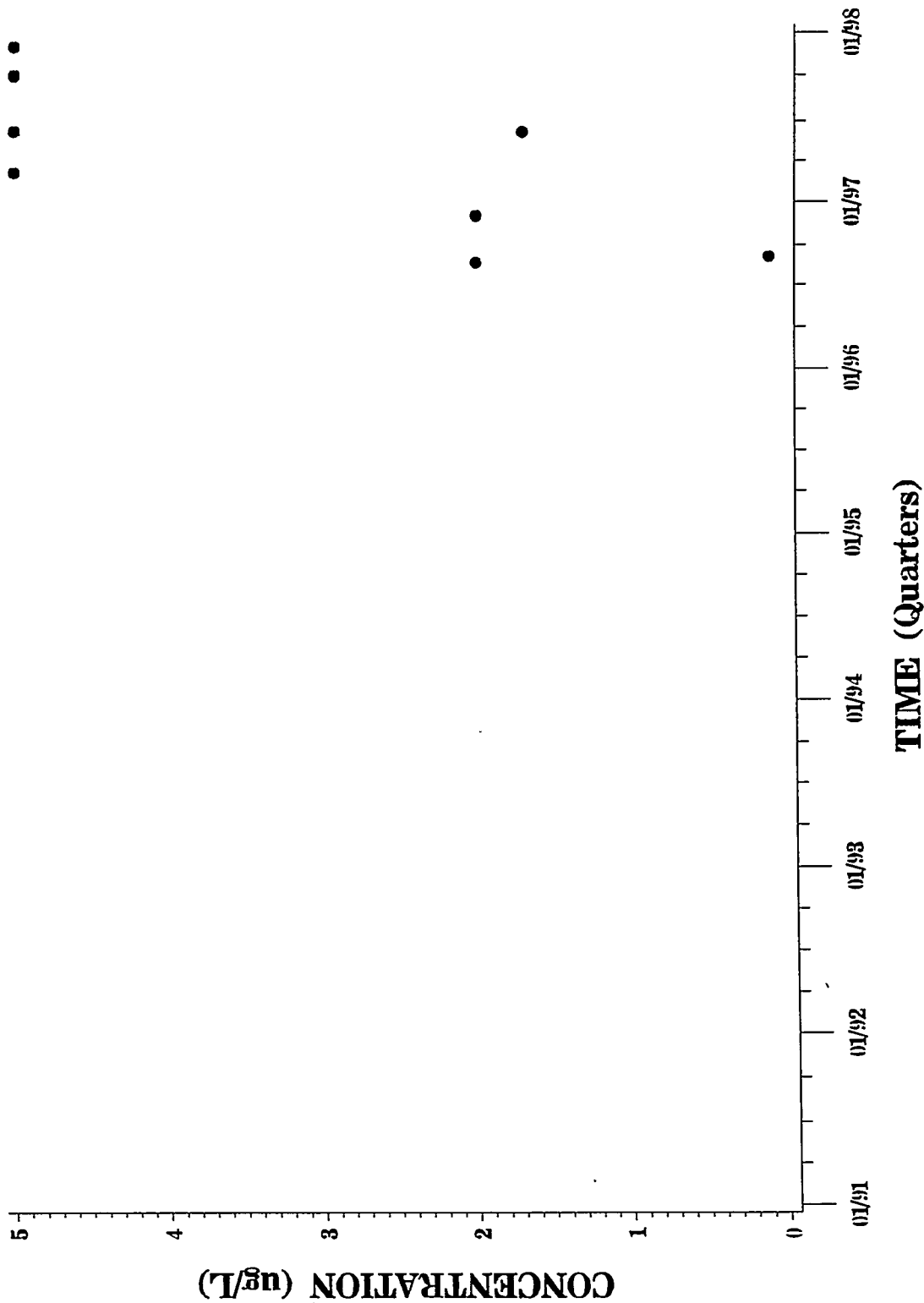
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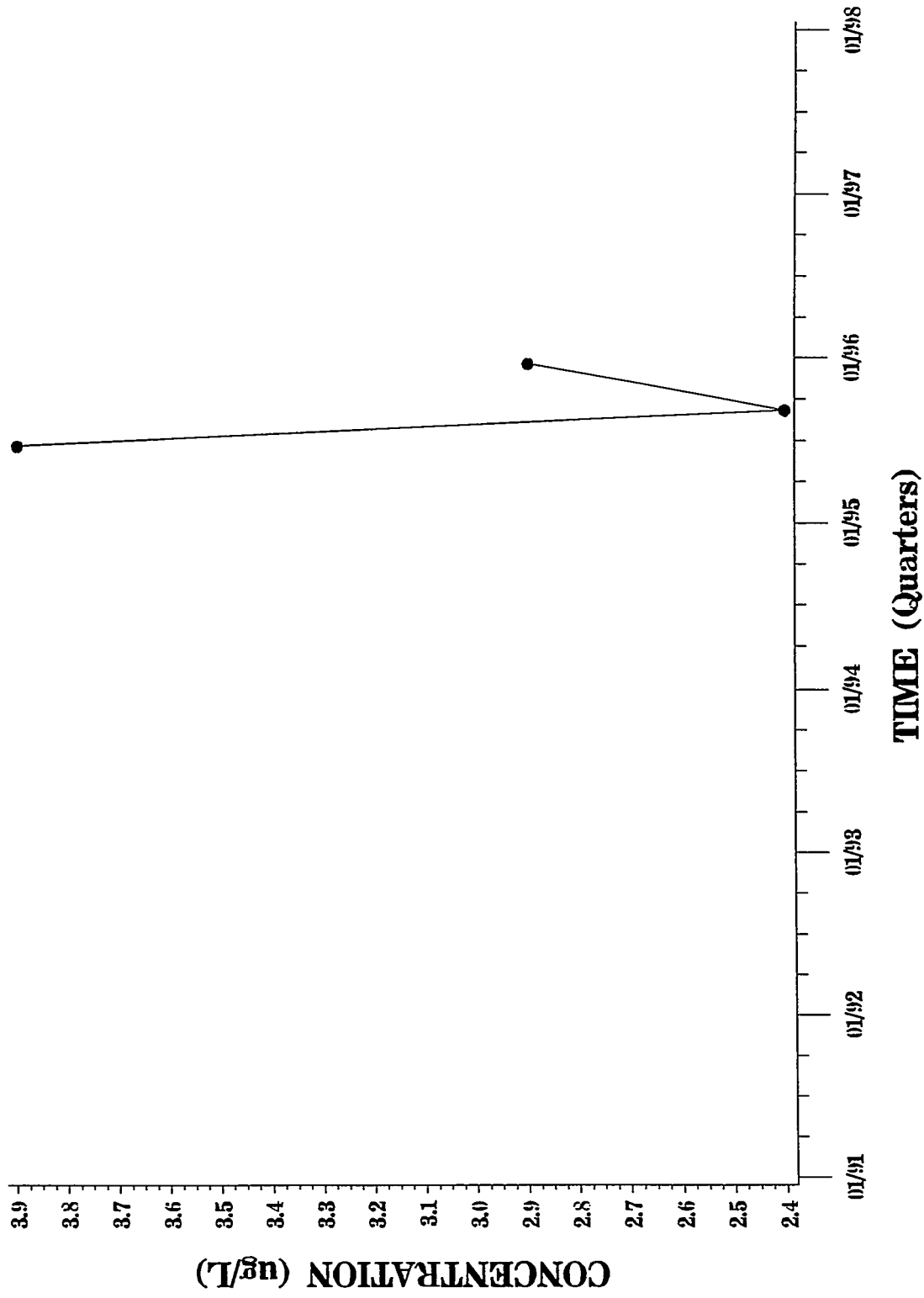
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Time Series Plot of 1,4-Dichlorobenzene Concentration
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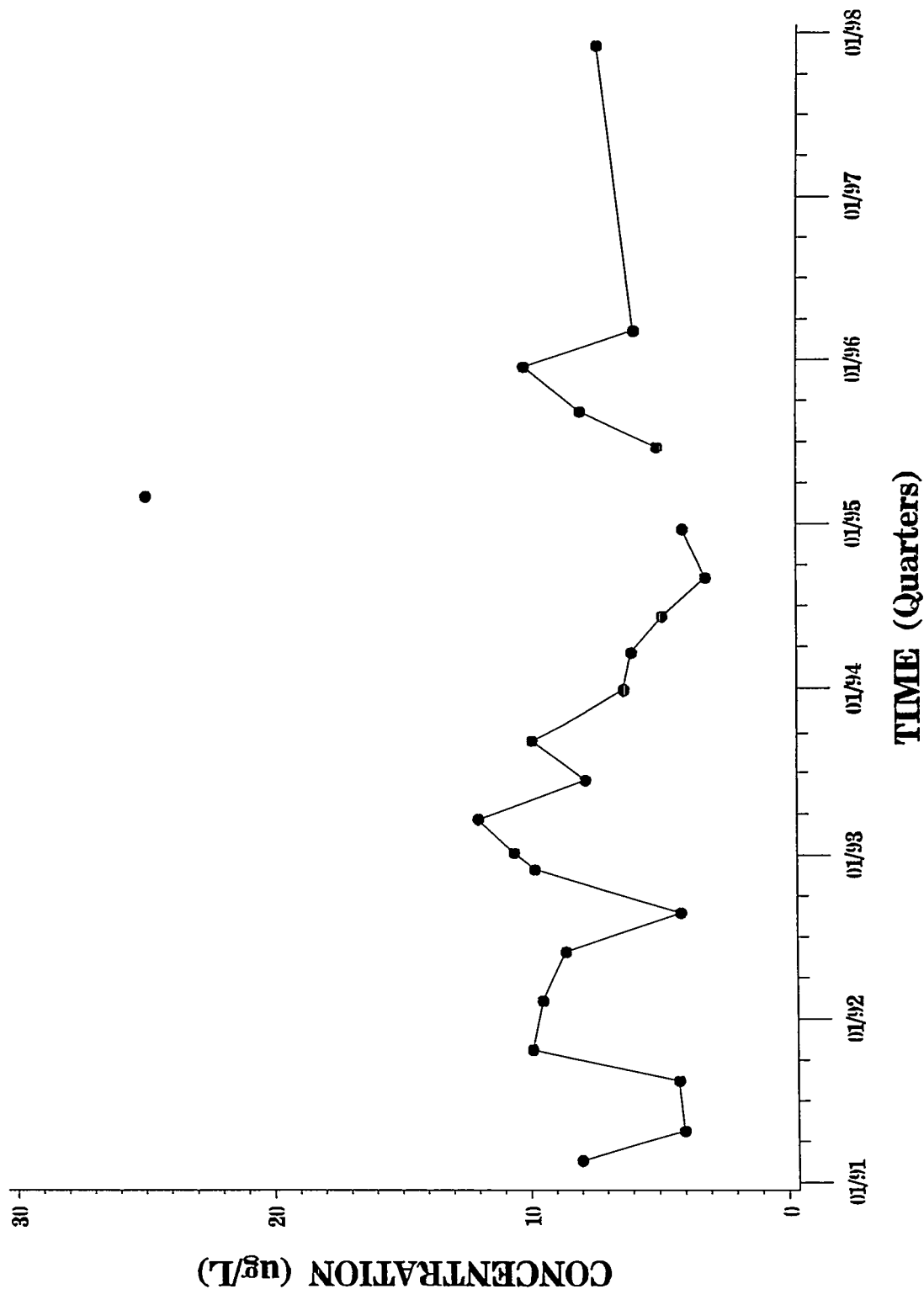


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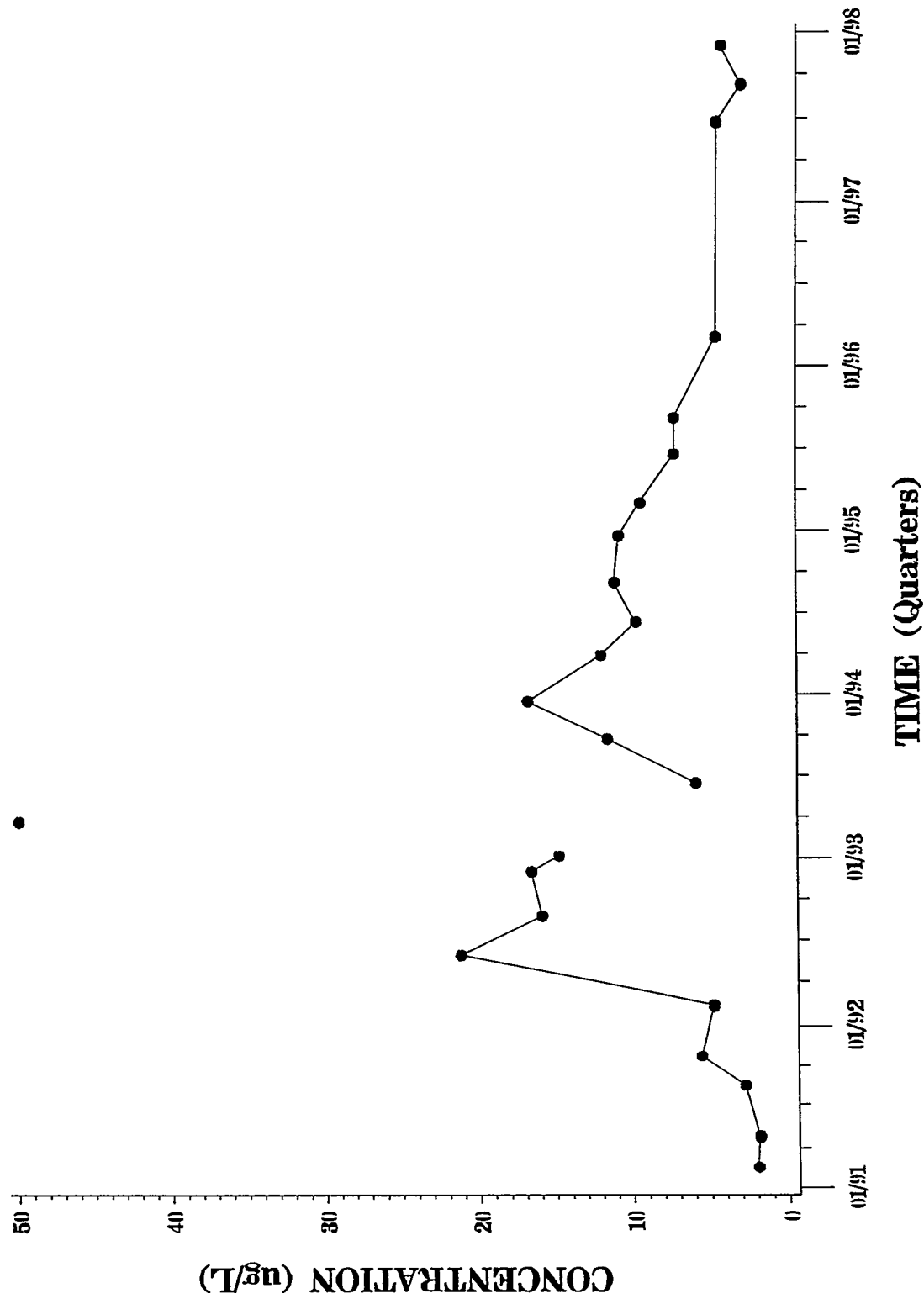
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Time Series Plot of Benzene Concentration
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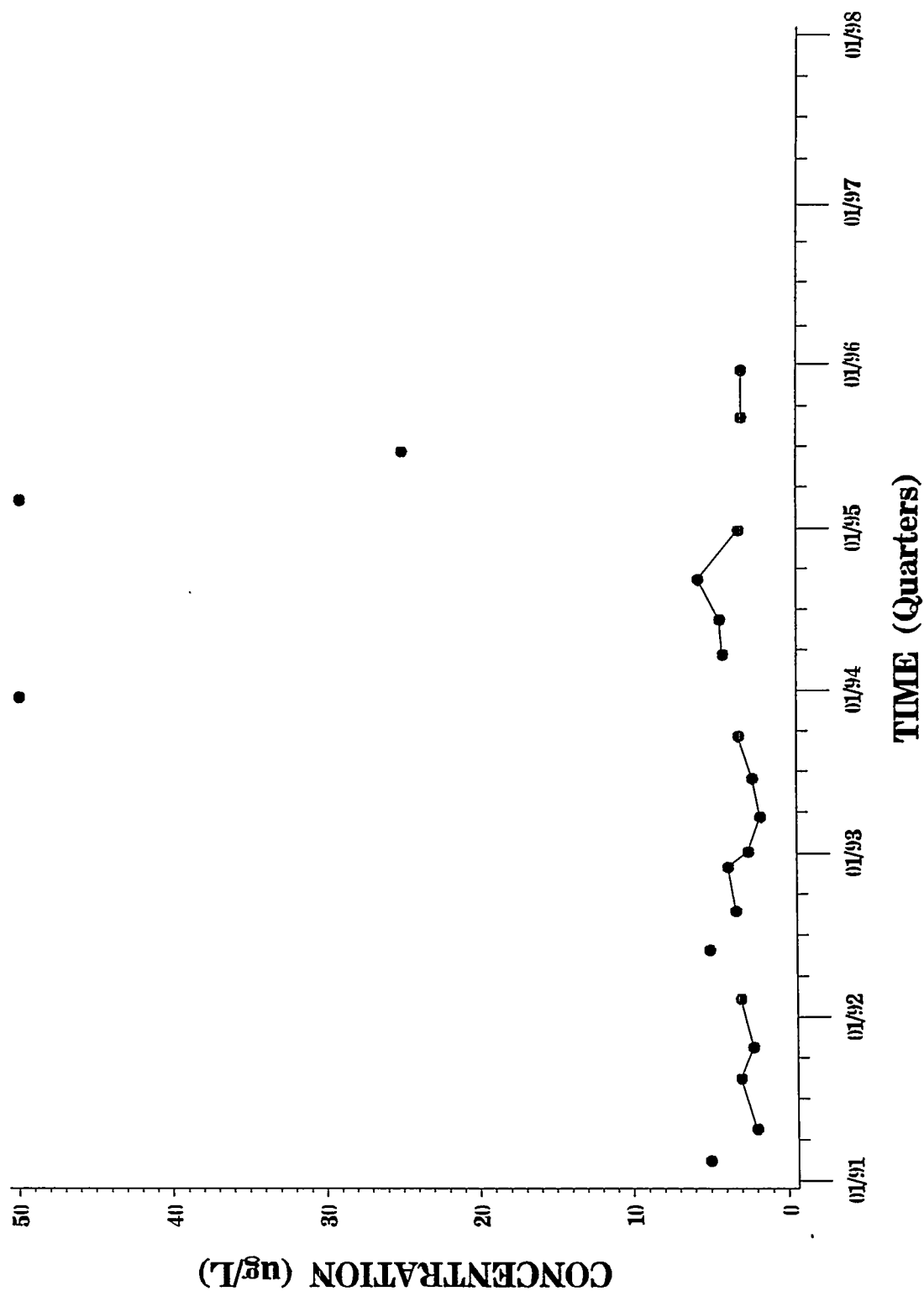
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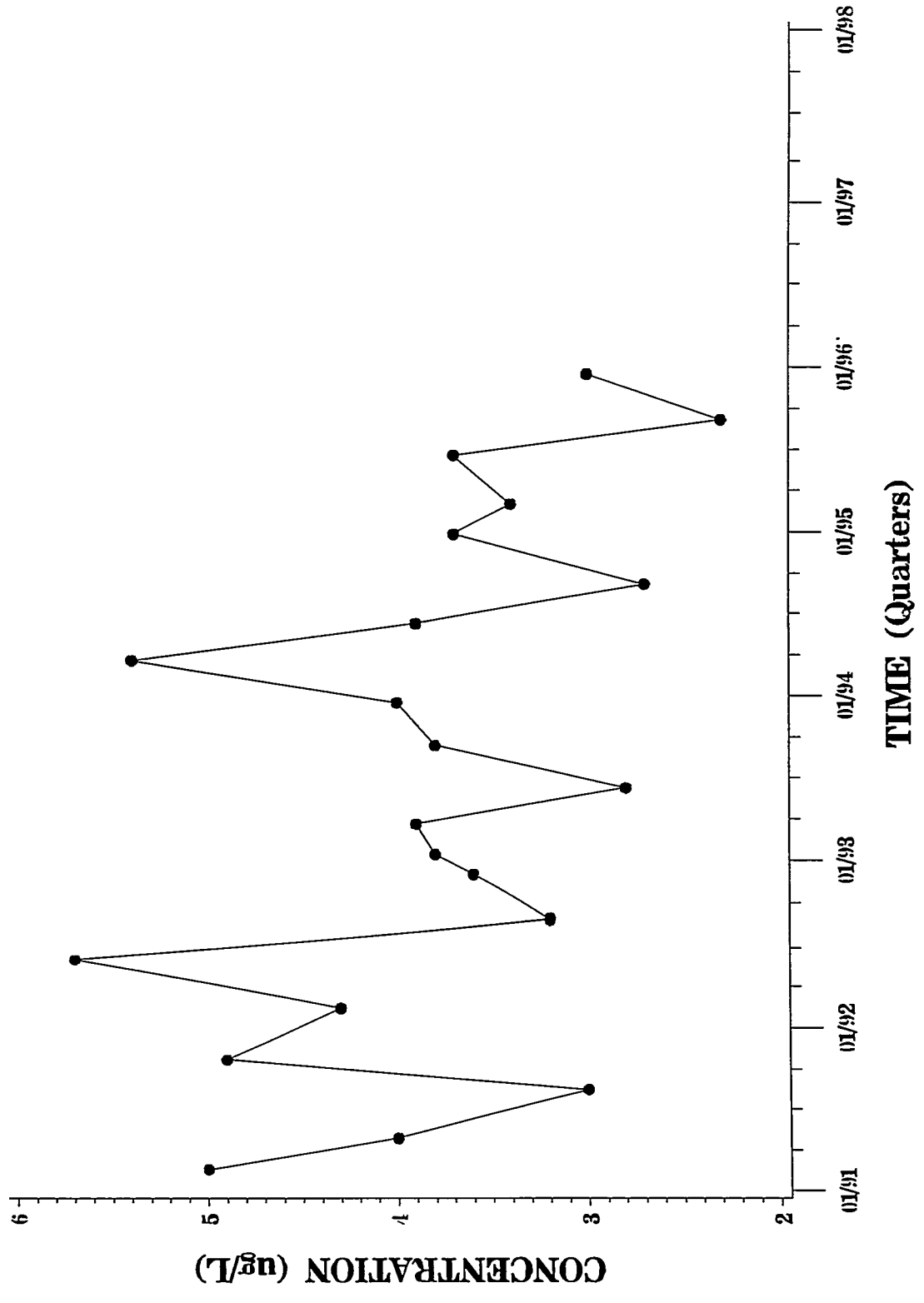


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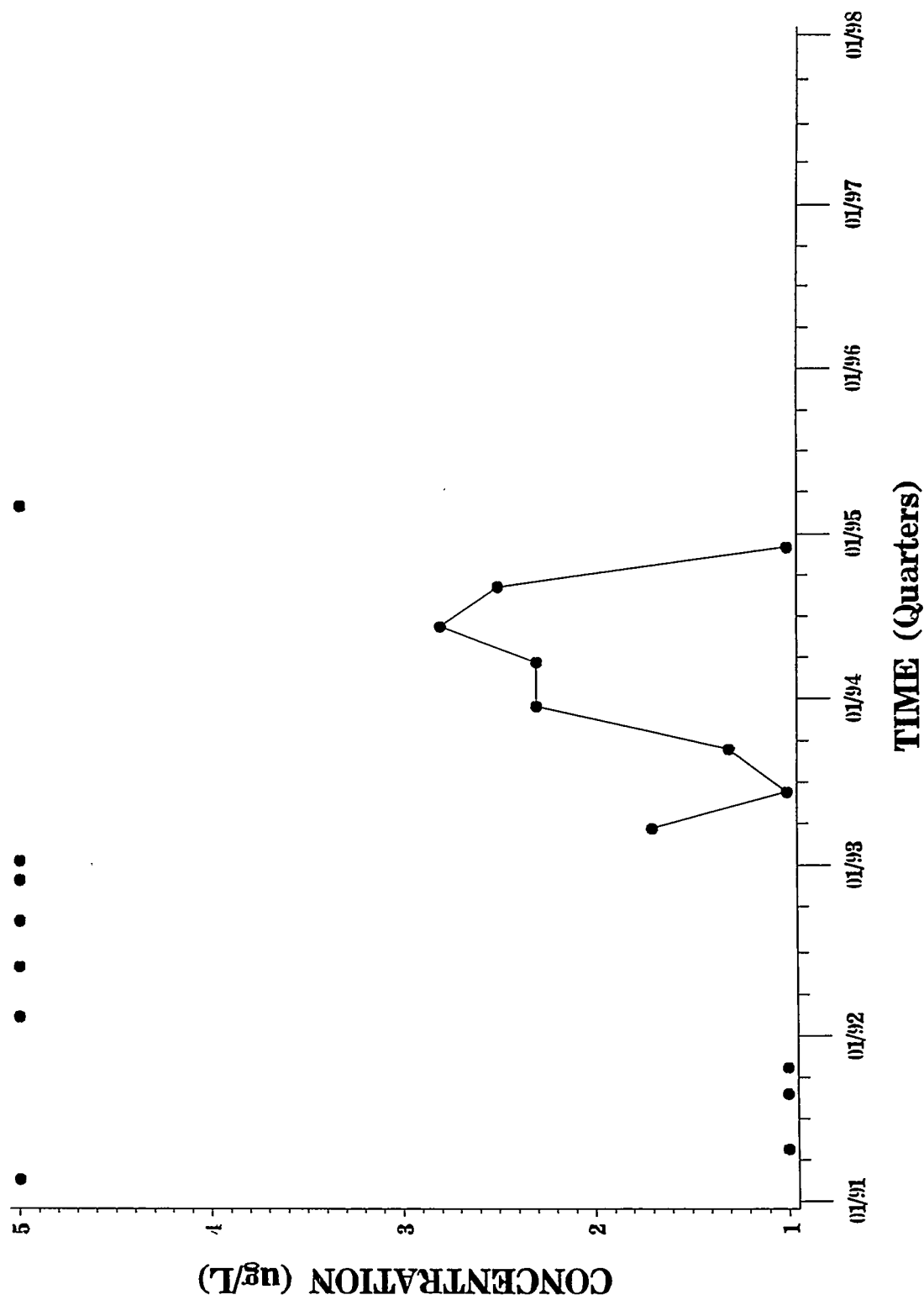


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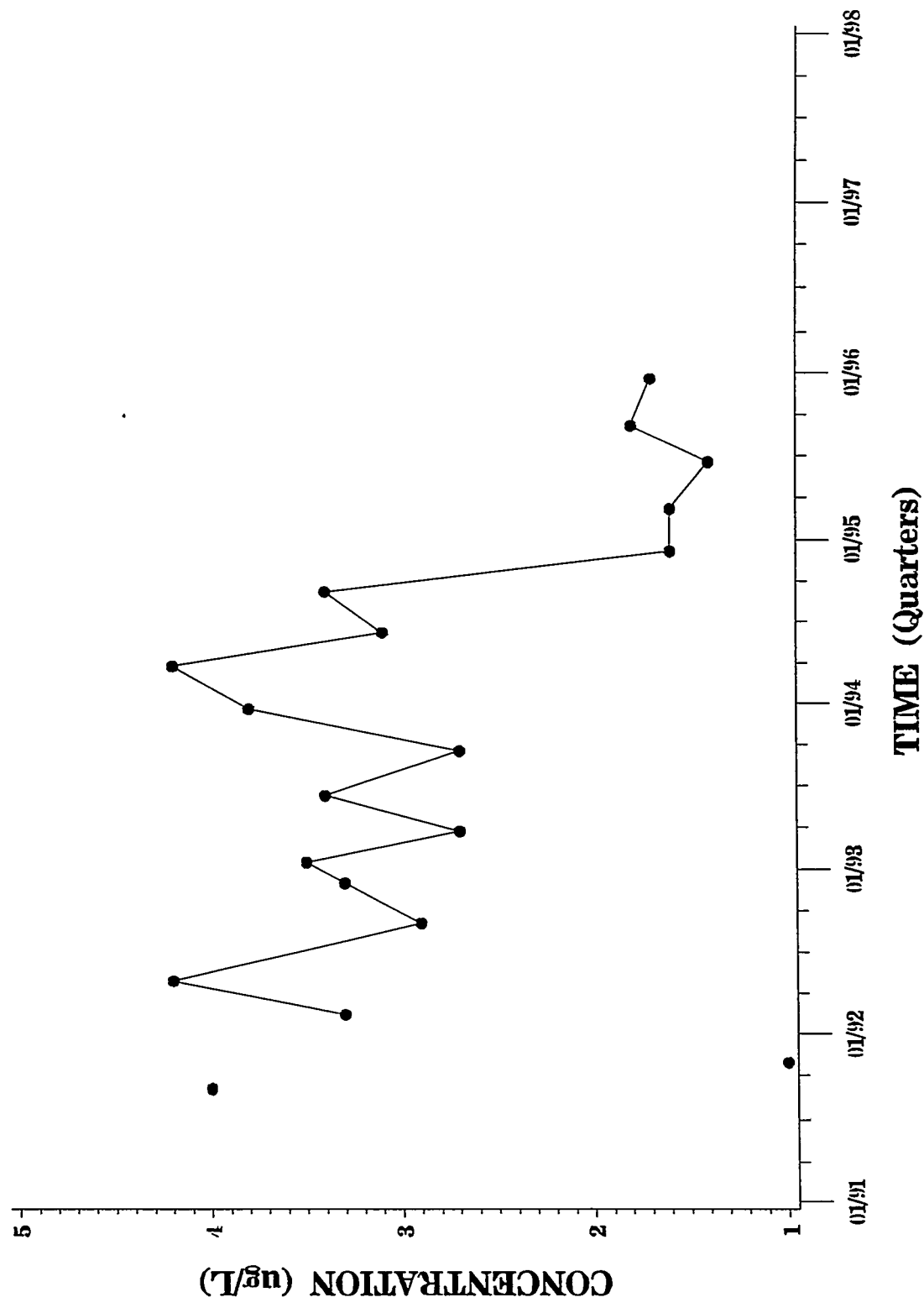
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Time Series Plot of Benzene Concentration
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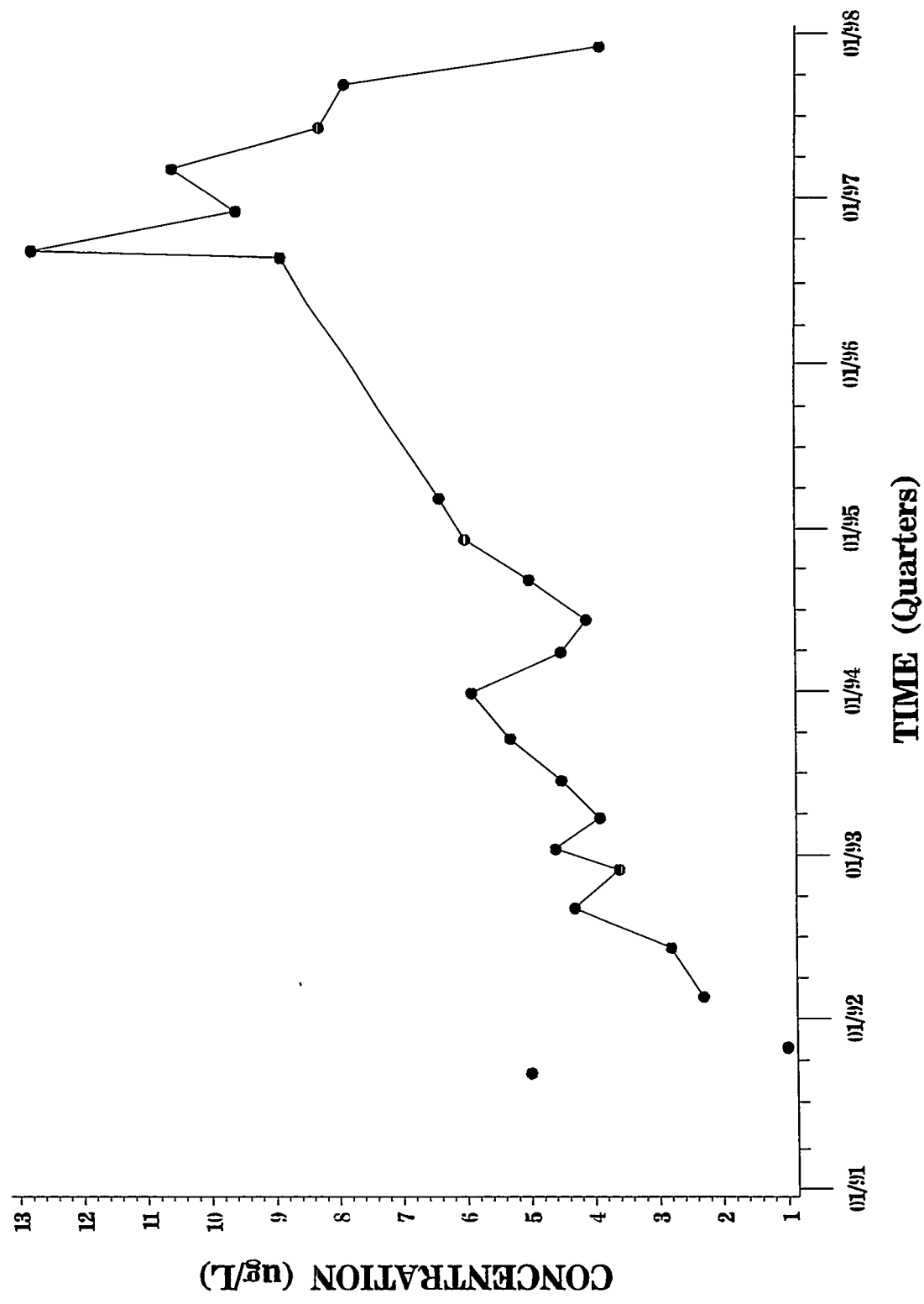
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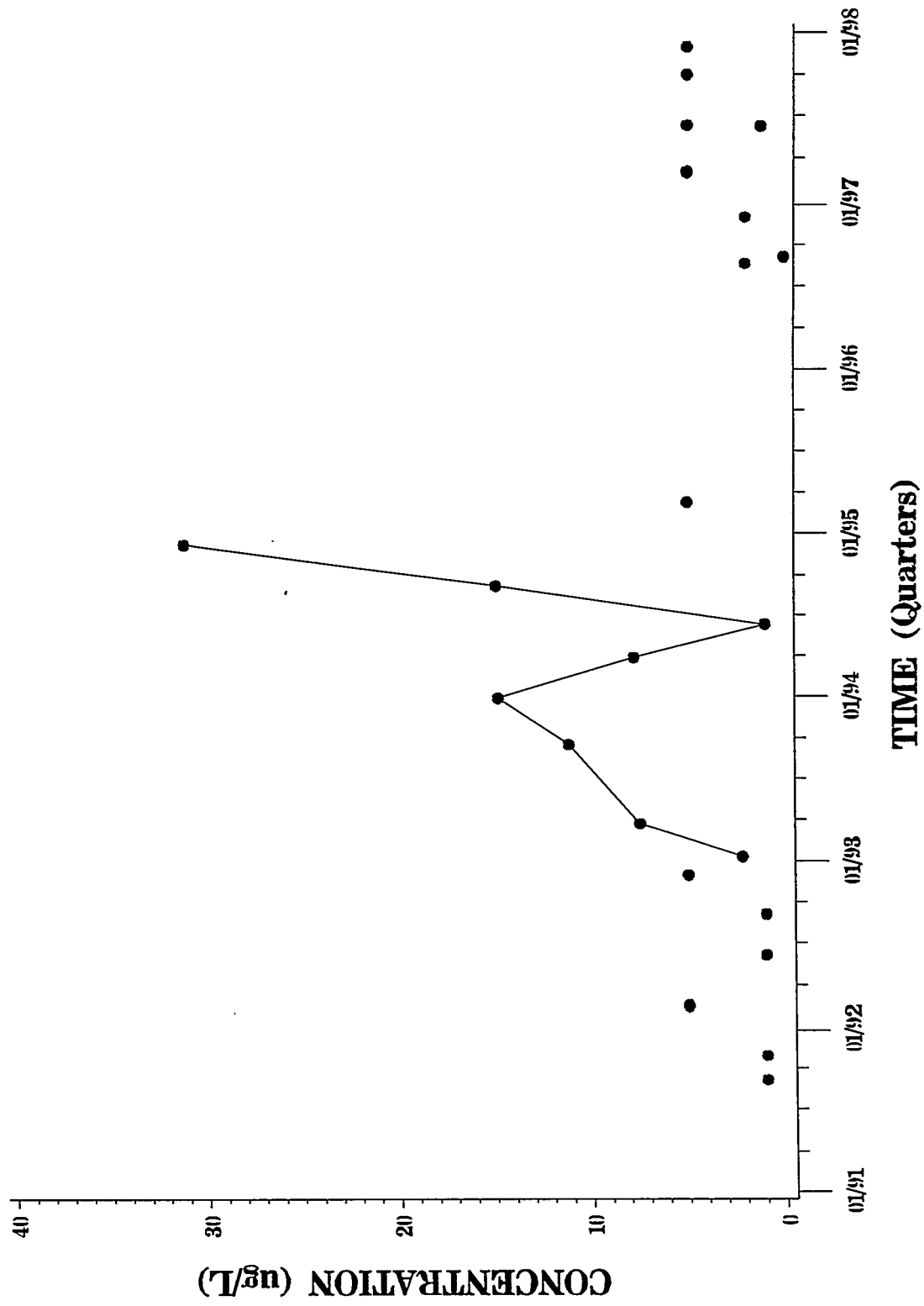
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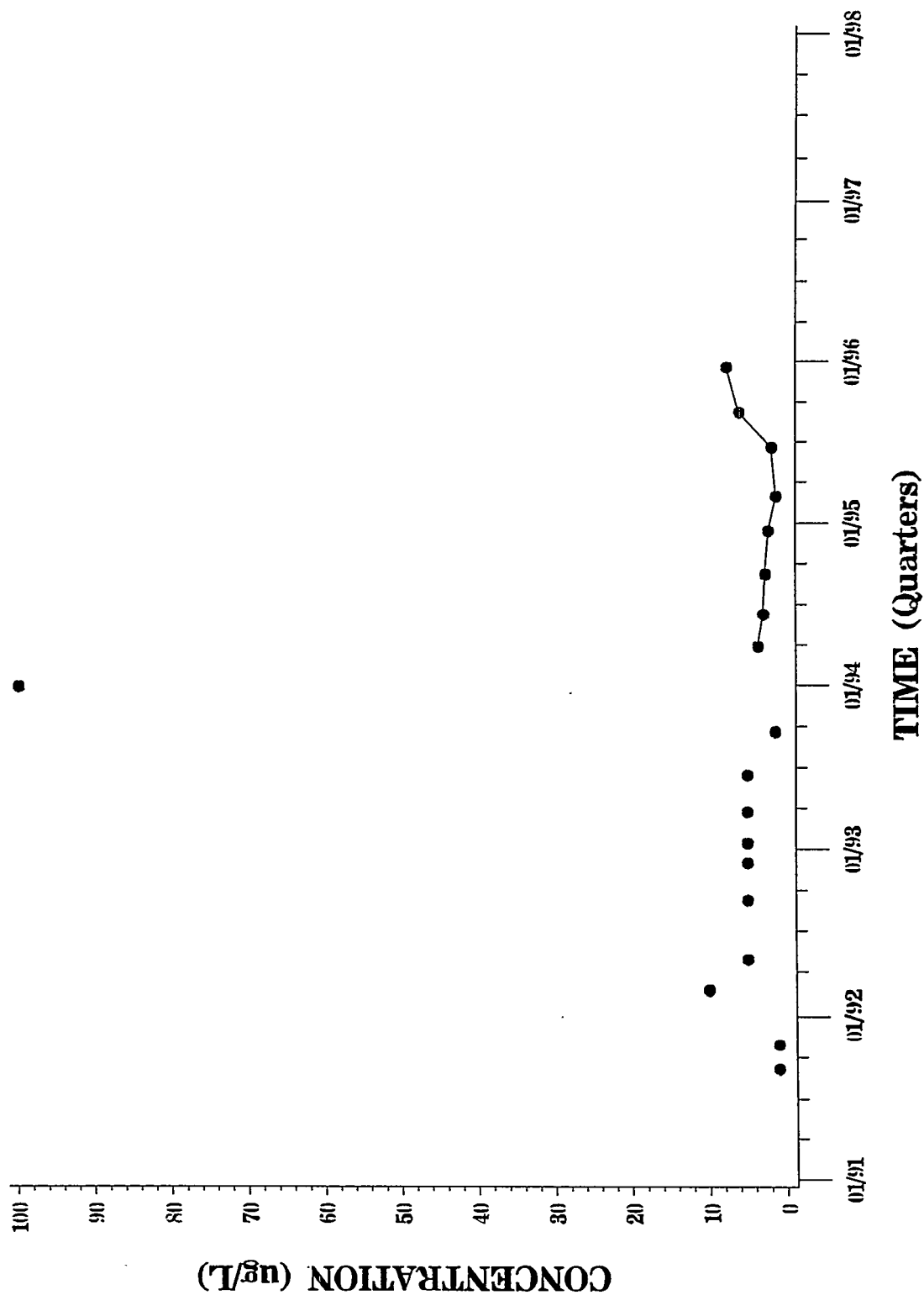


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Fourth Quarter, 1997 & 1997 Summary

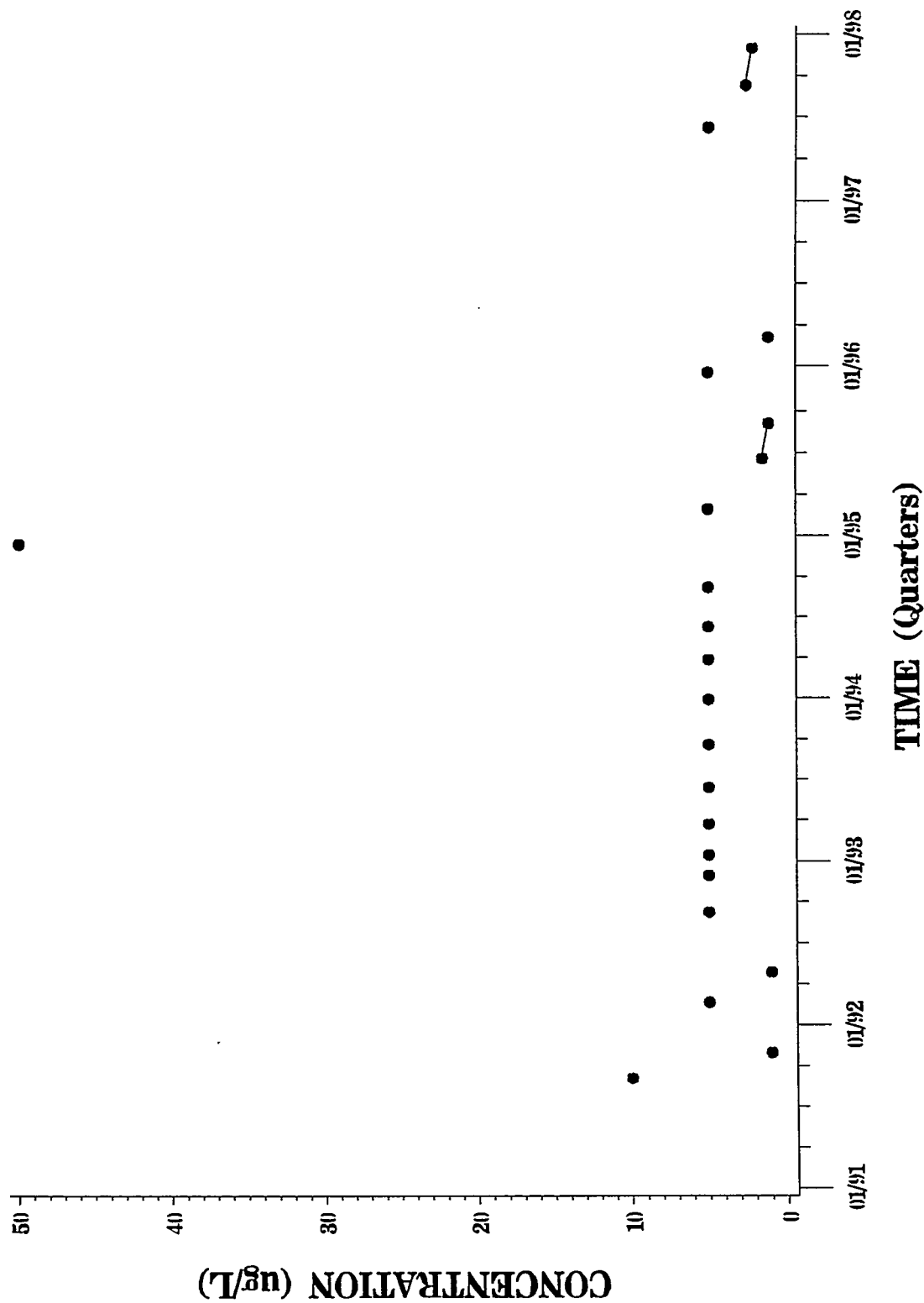
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Time Series Plot of Benzene Concentration
WELL LFW 61C



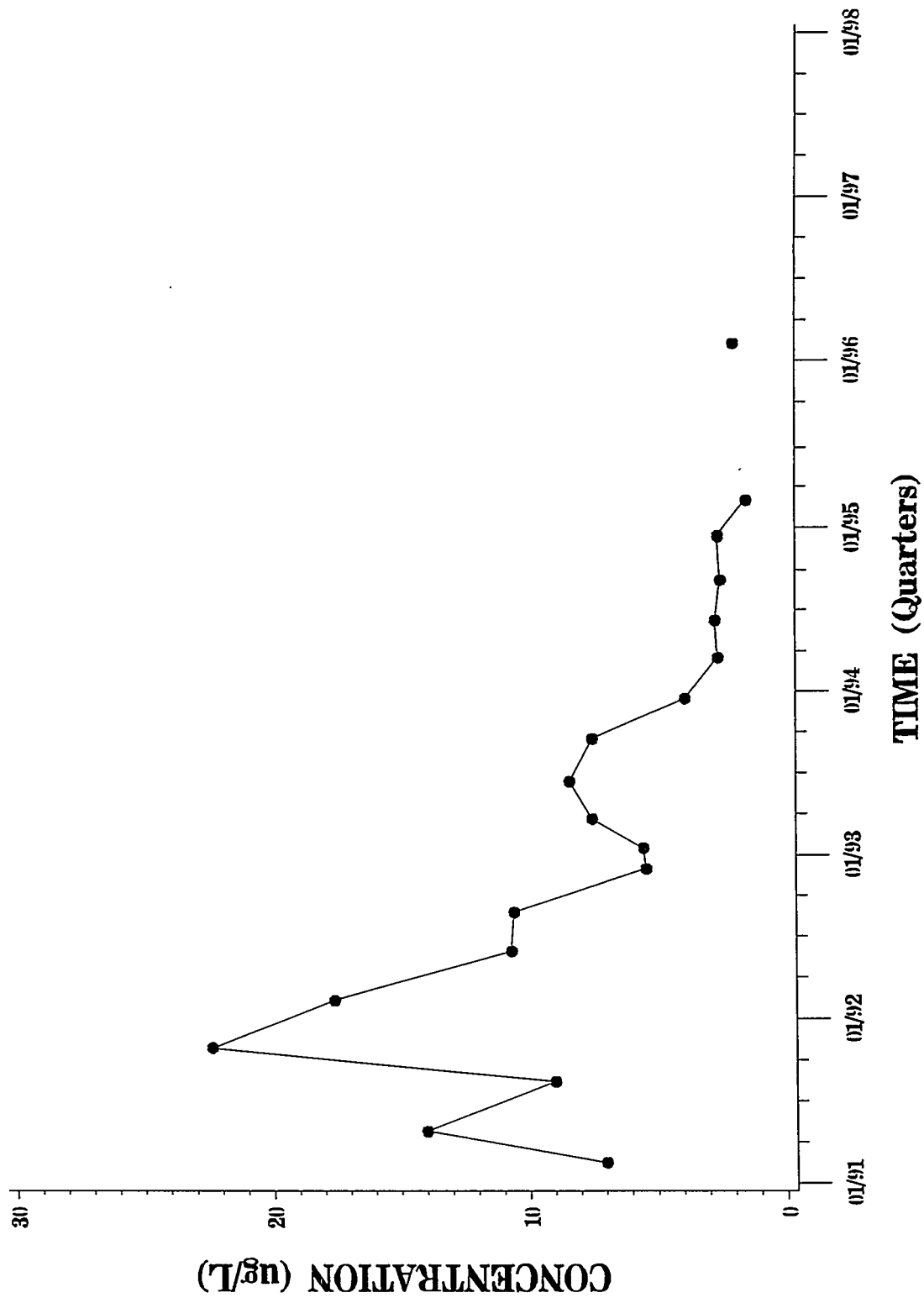
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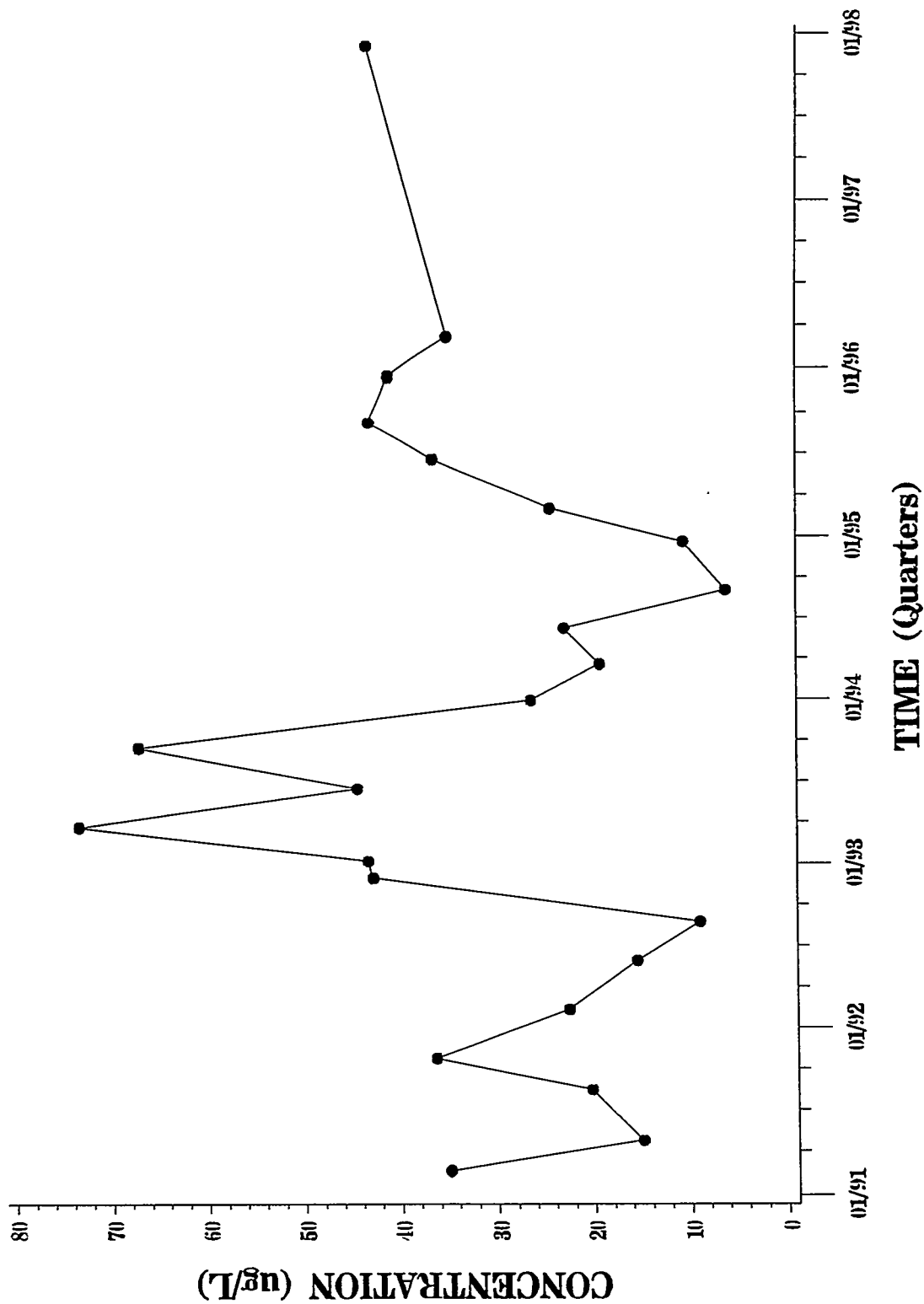
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Time Series Plot of Ethylbenzene Concentration
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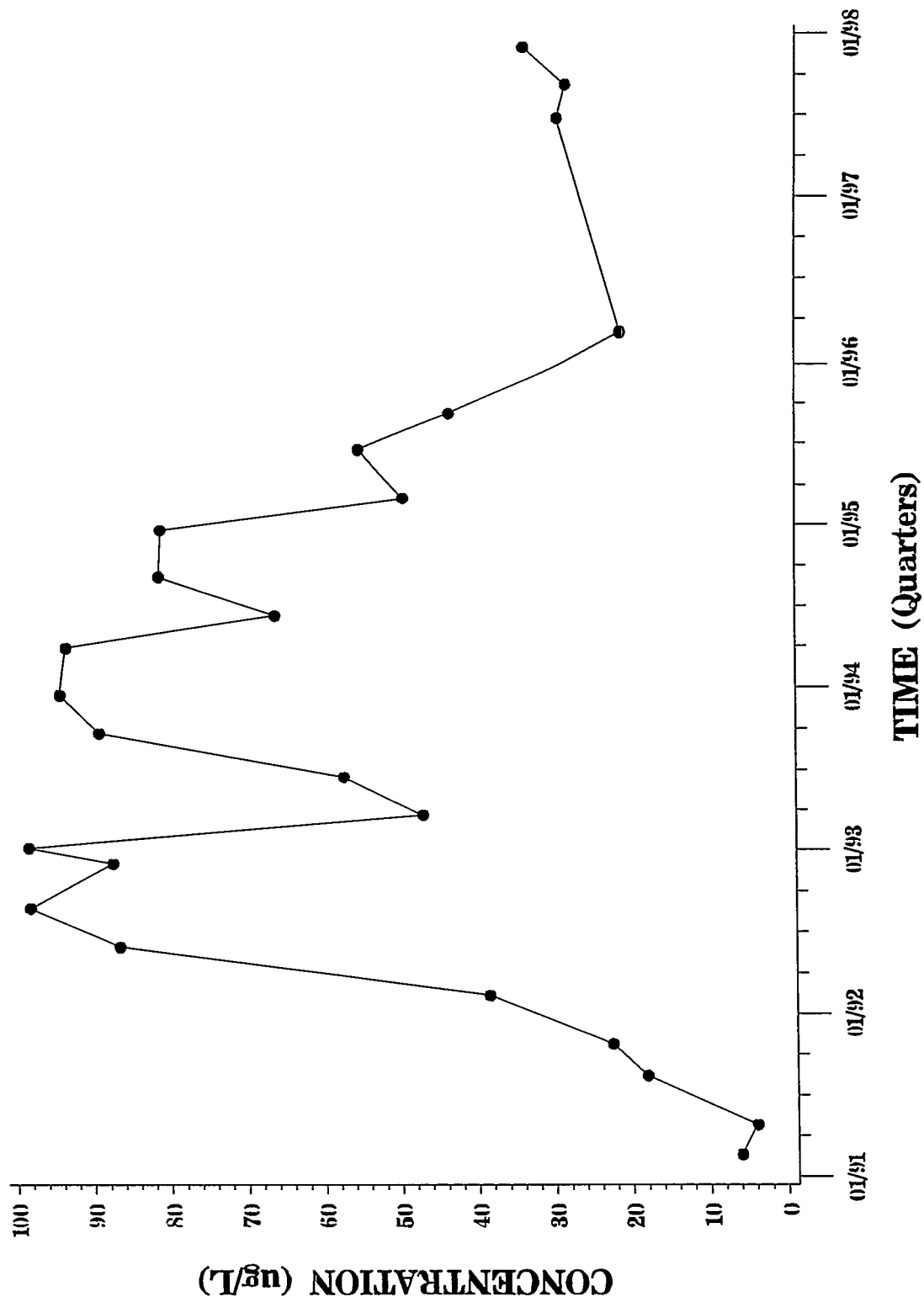
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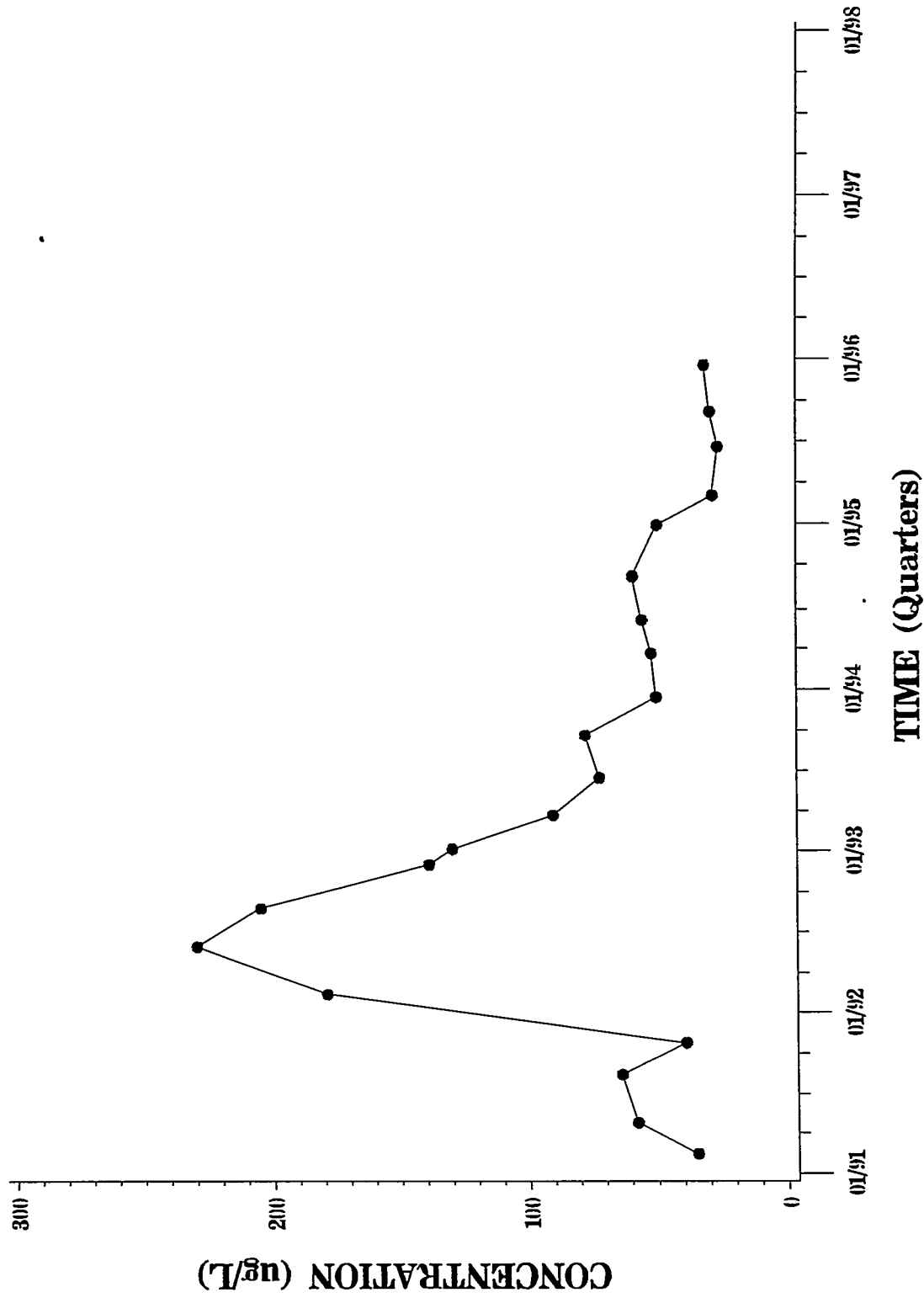
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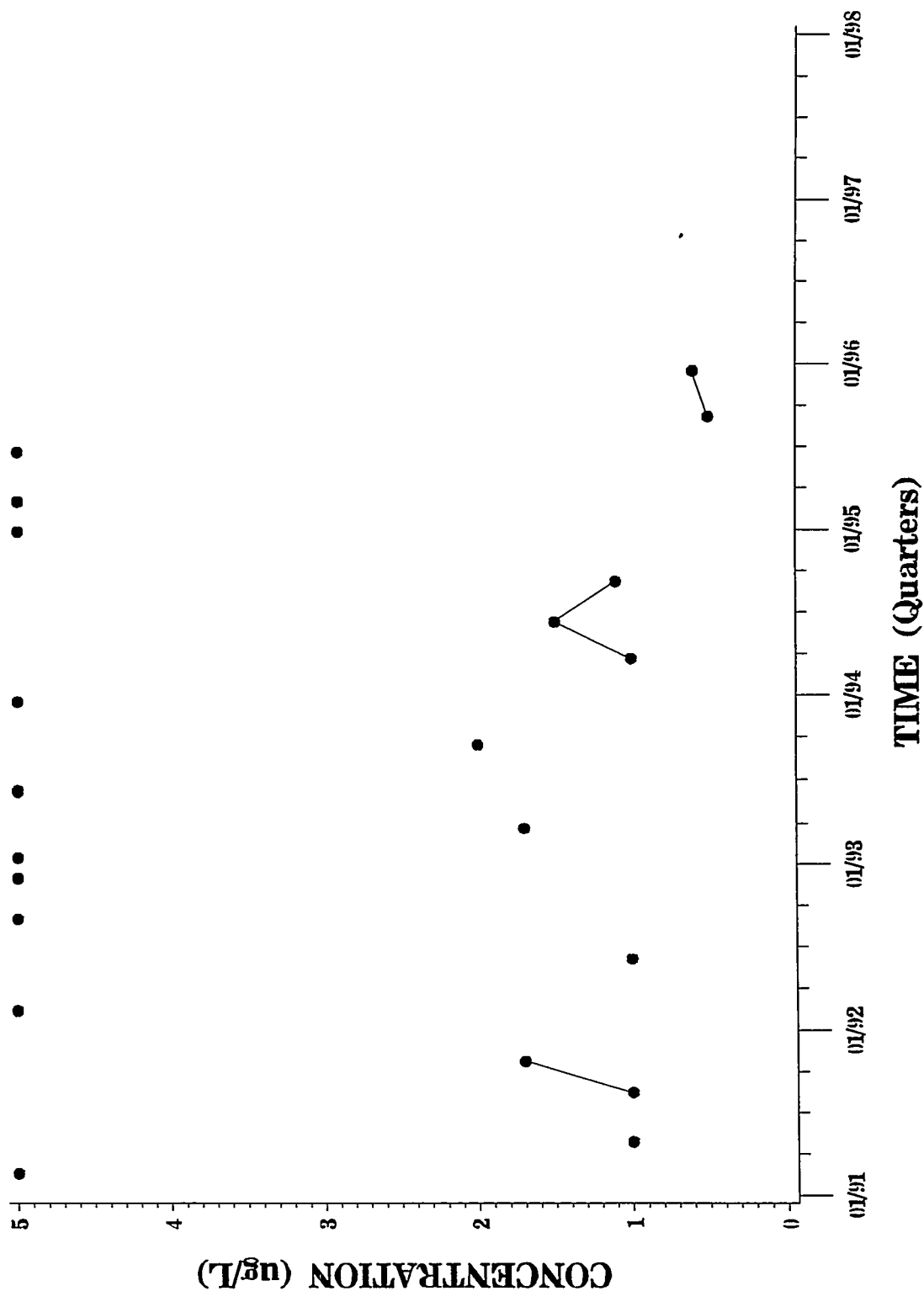
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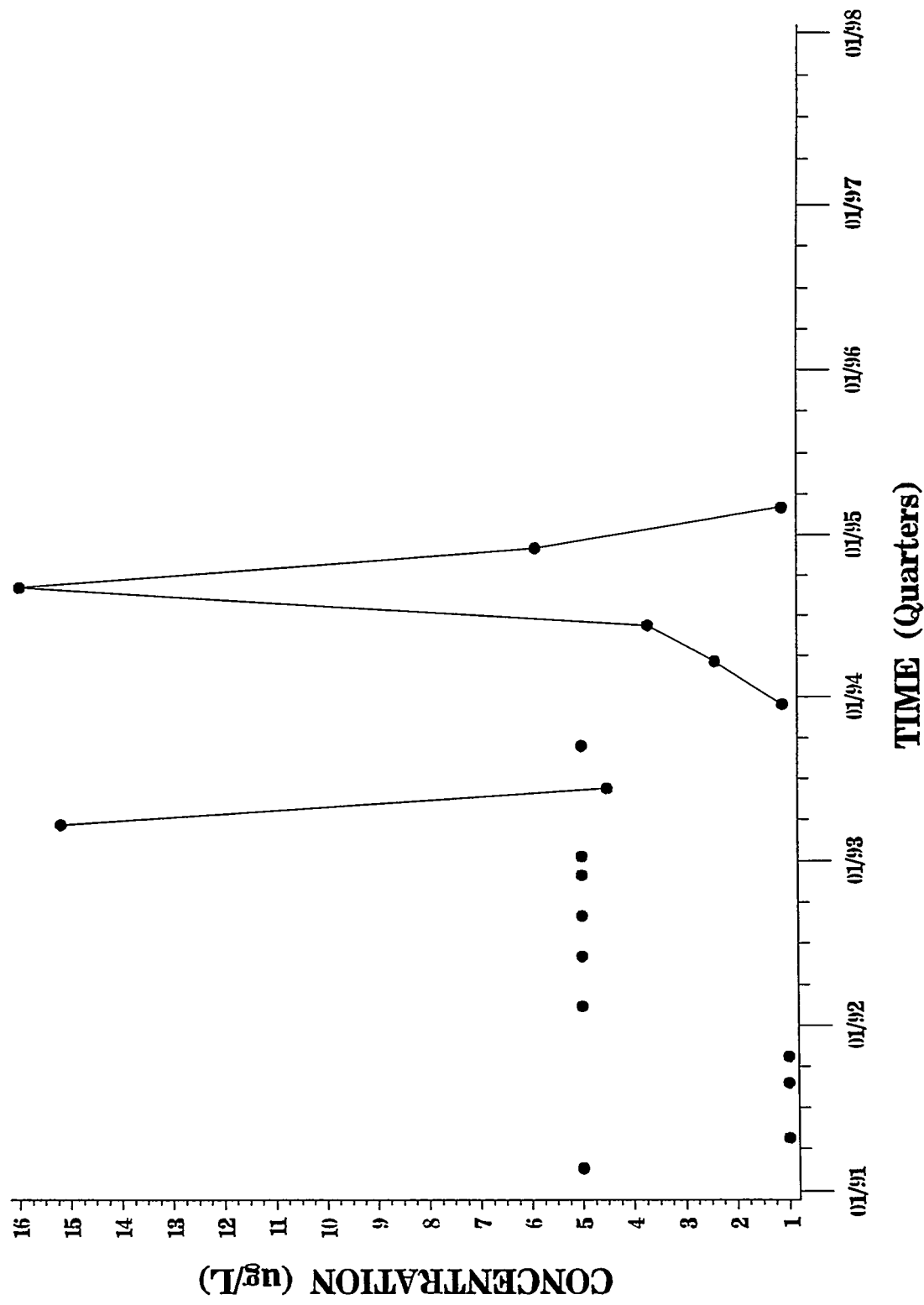


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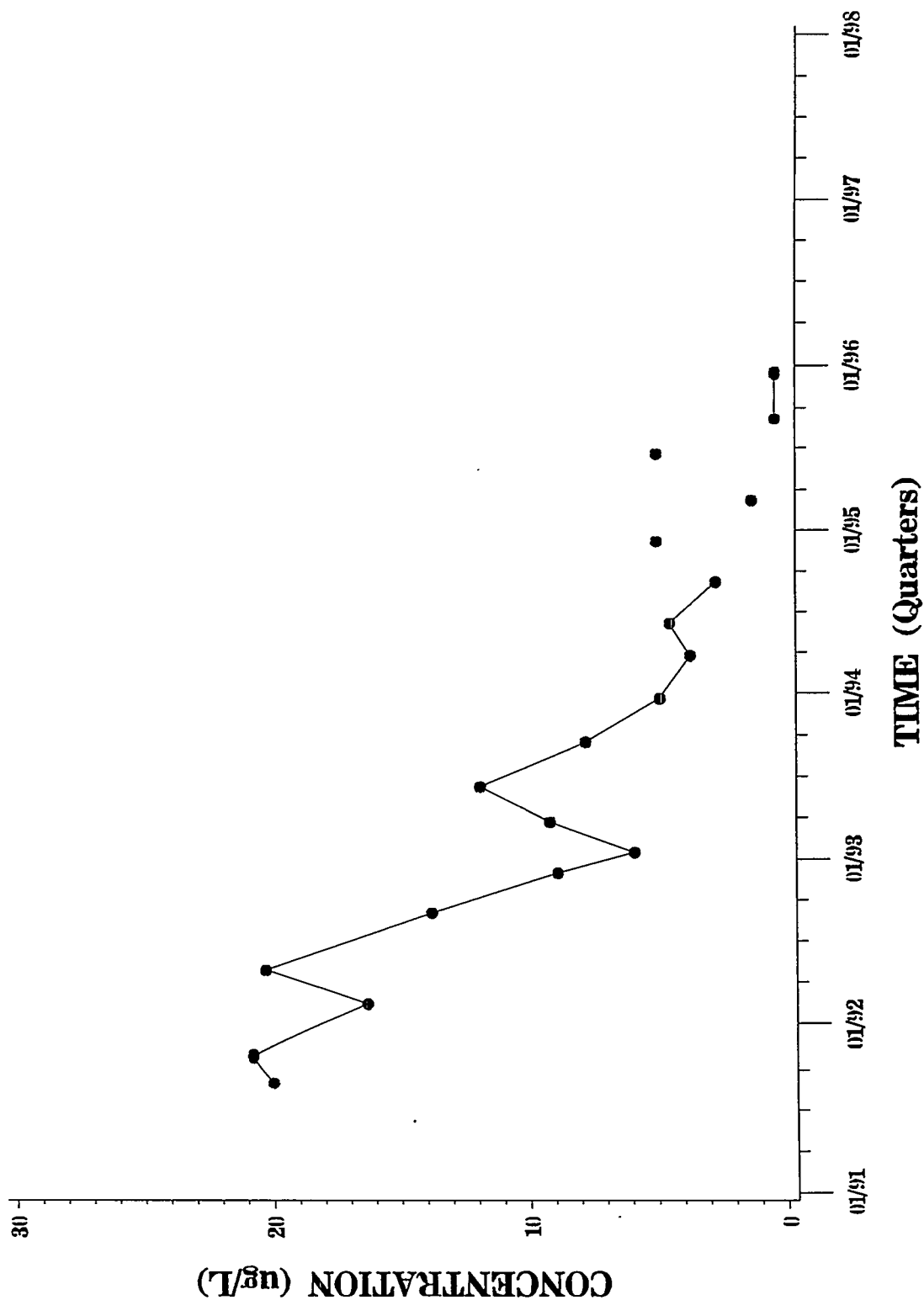


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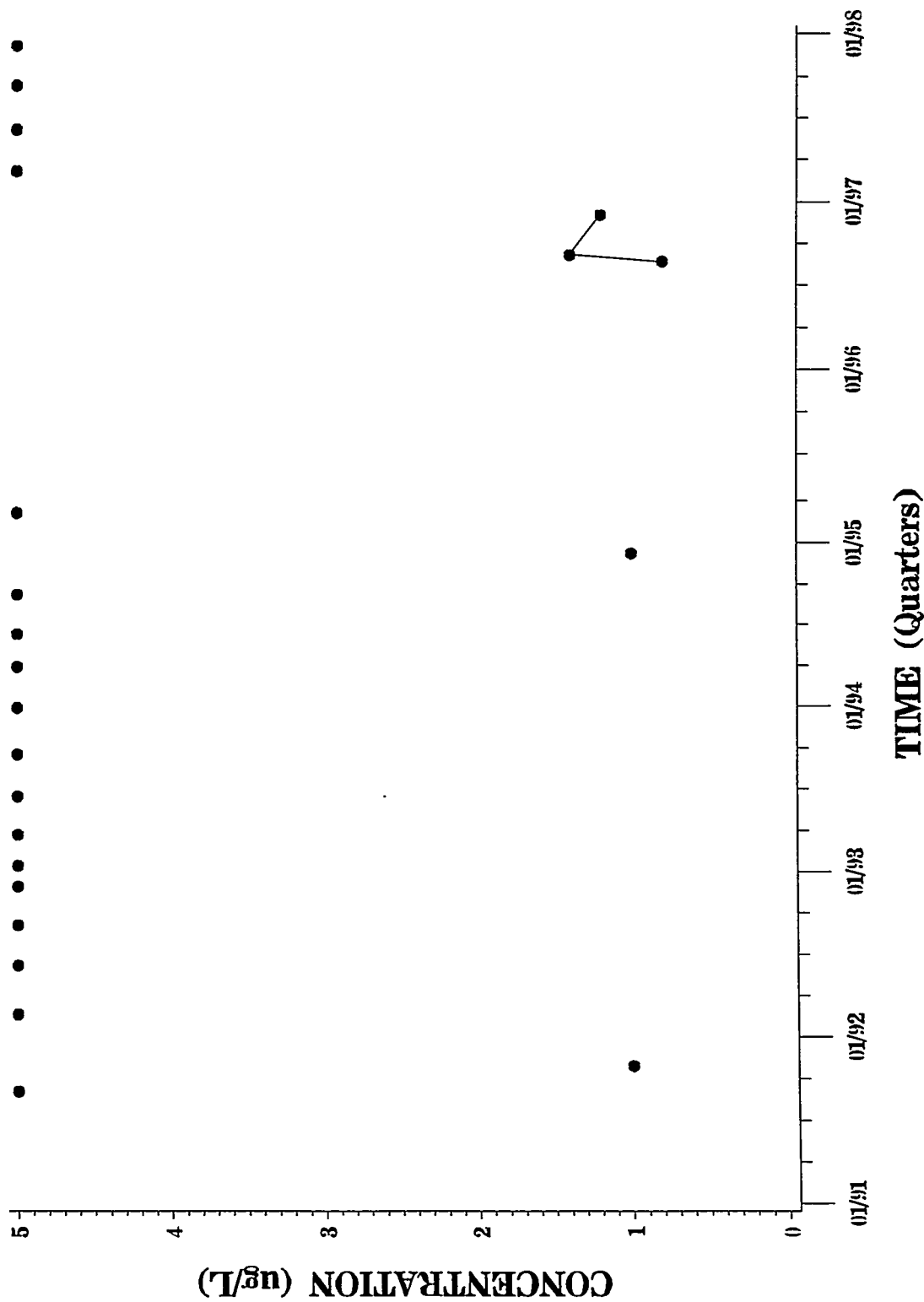
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Time Series Plot of Ethylbenzene Concentration
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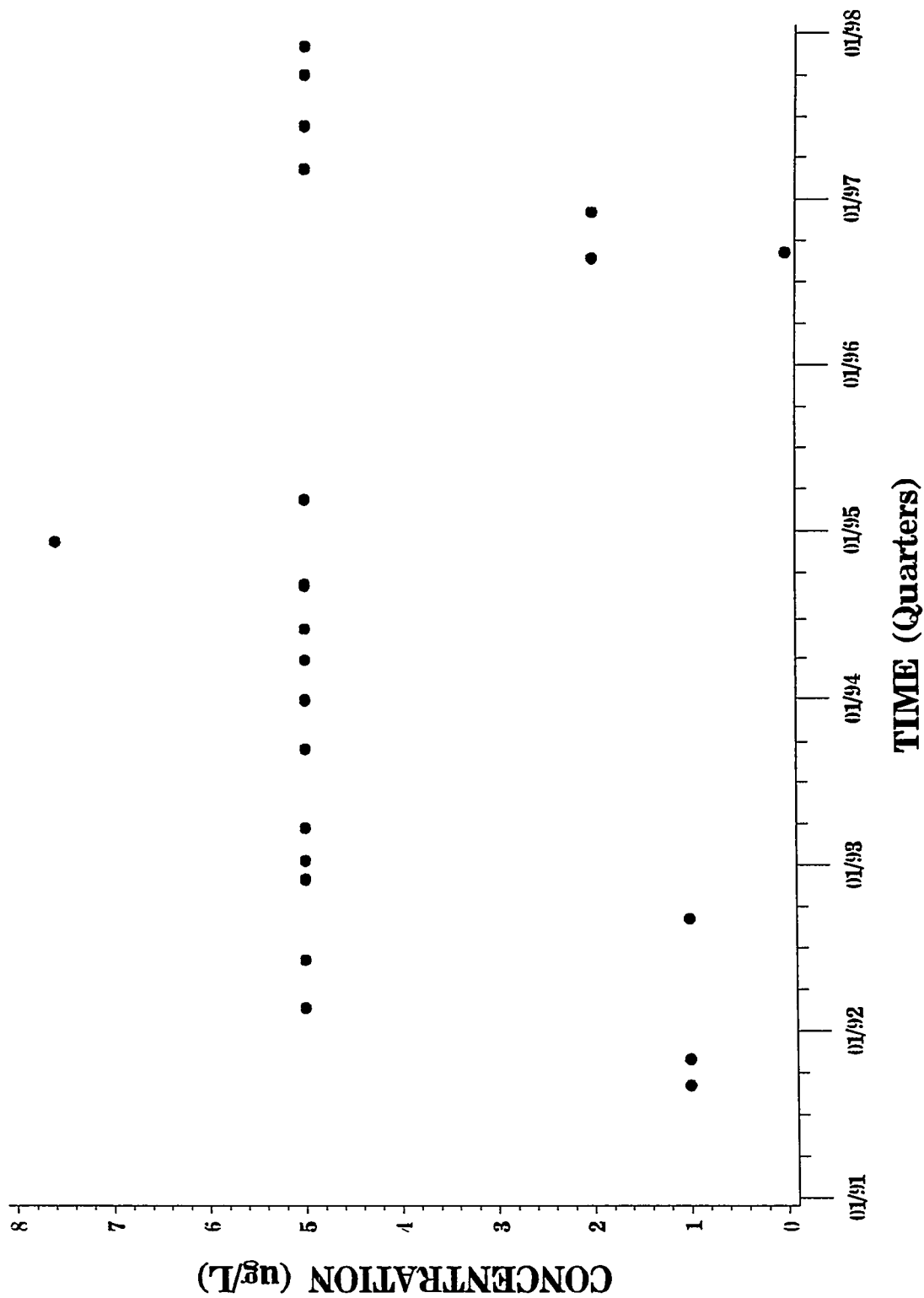
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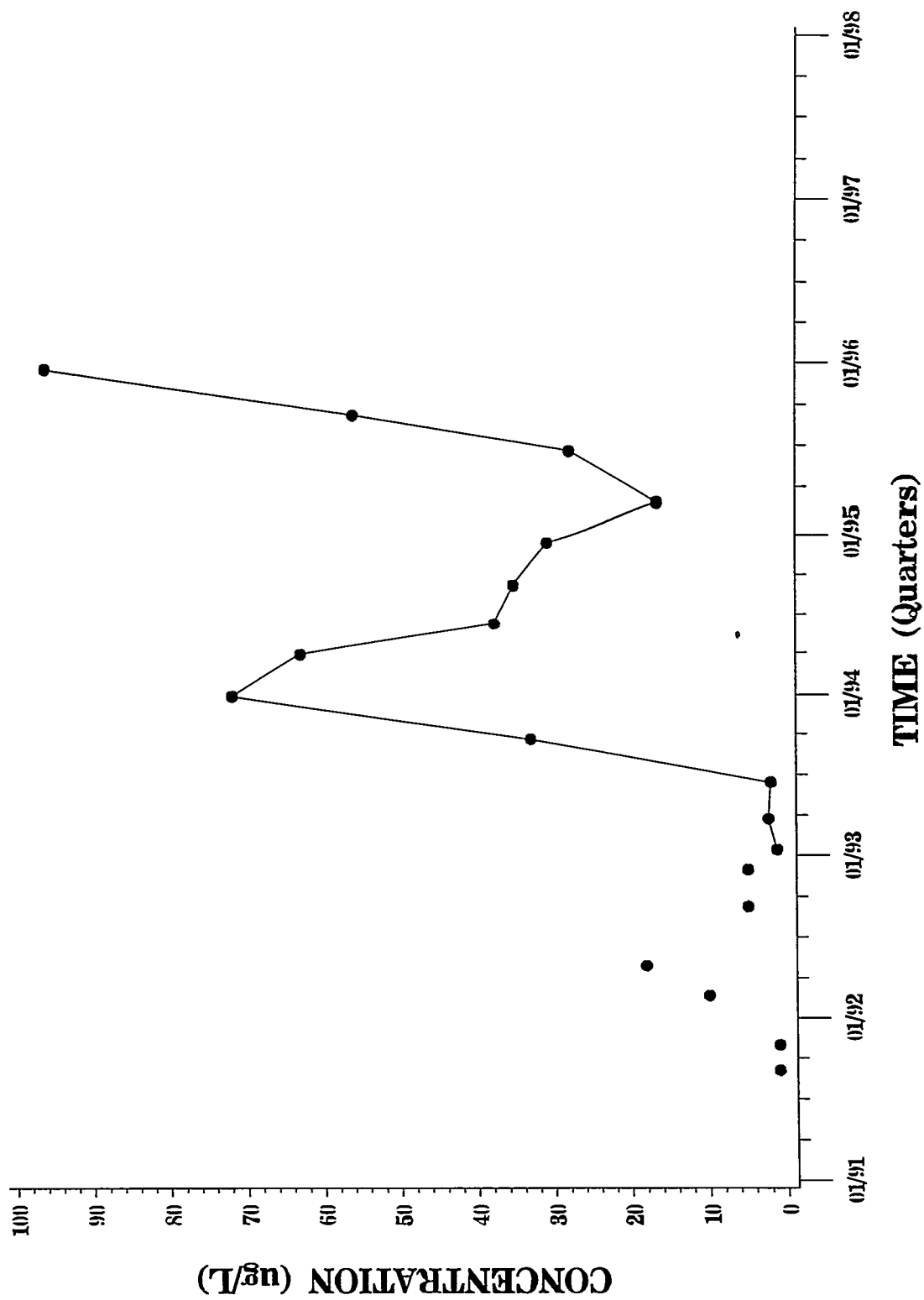
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Time Series Plot of Ethylbenzene Concentration
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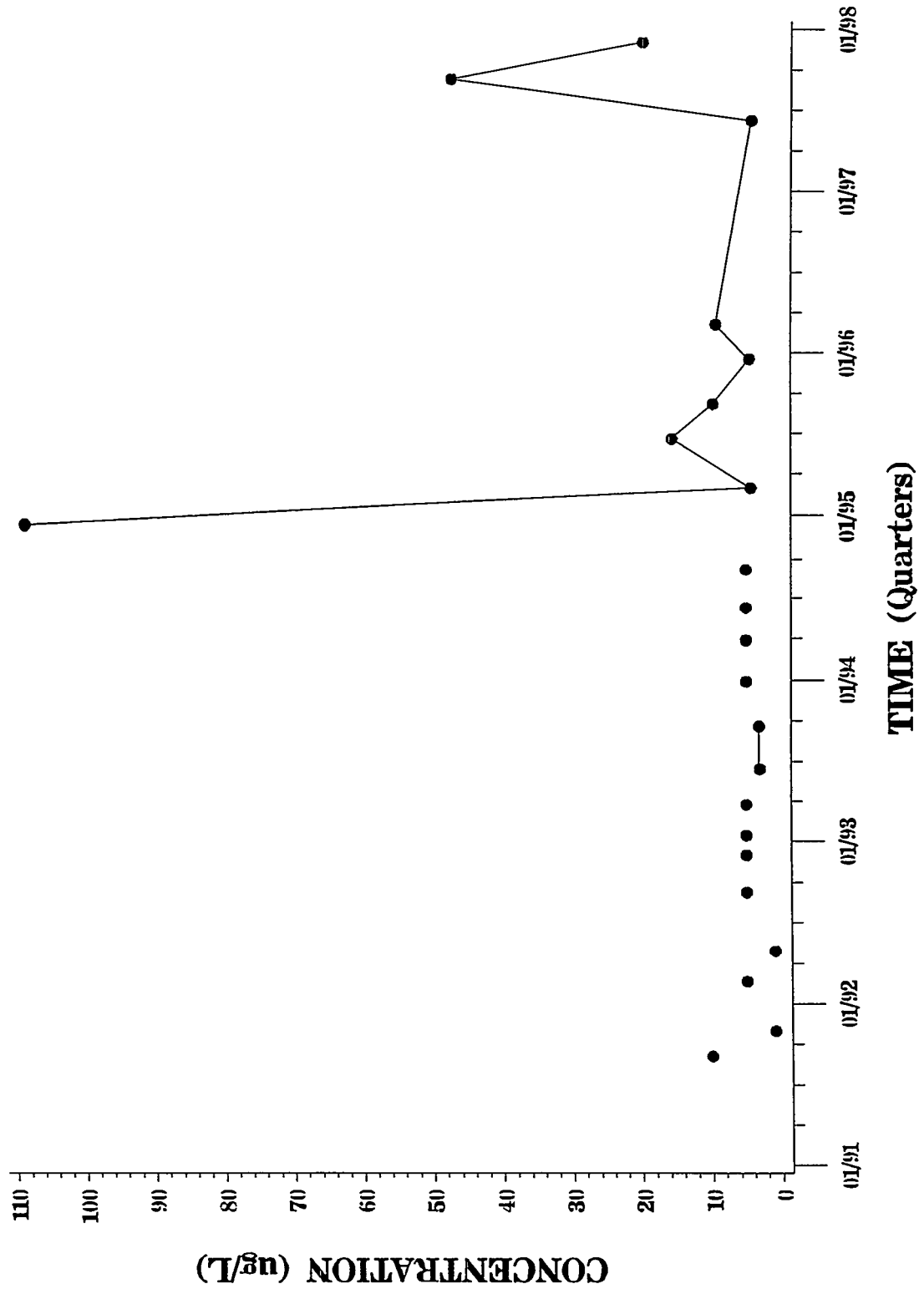


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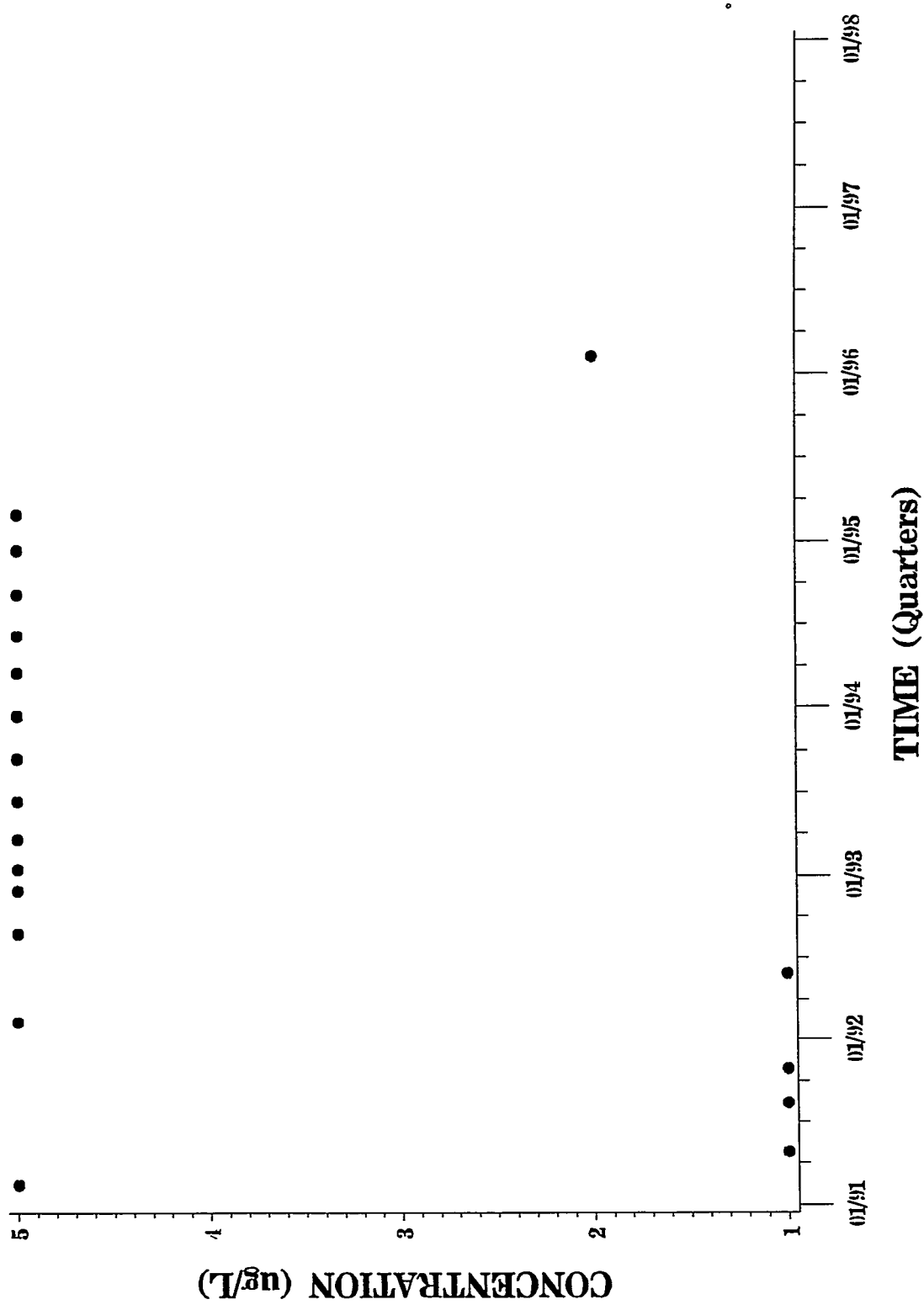


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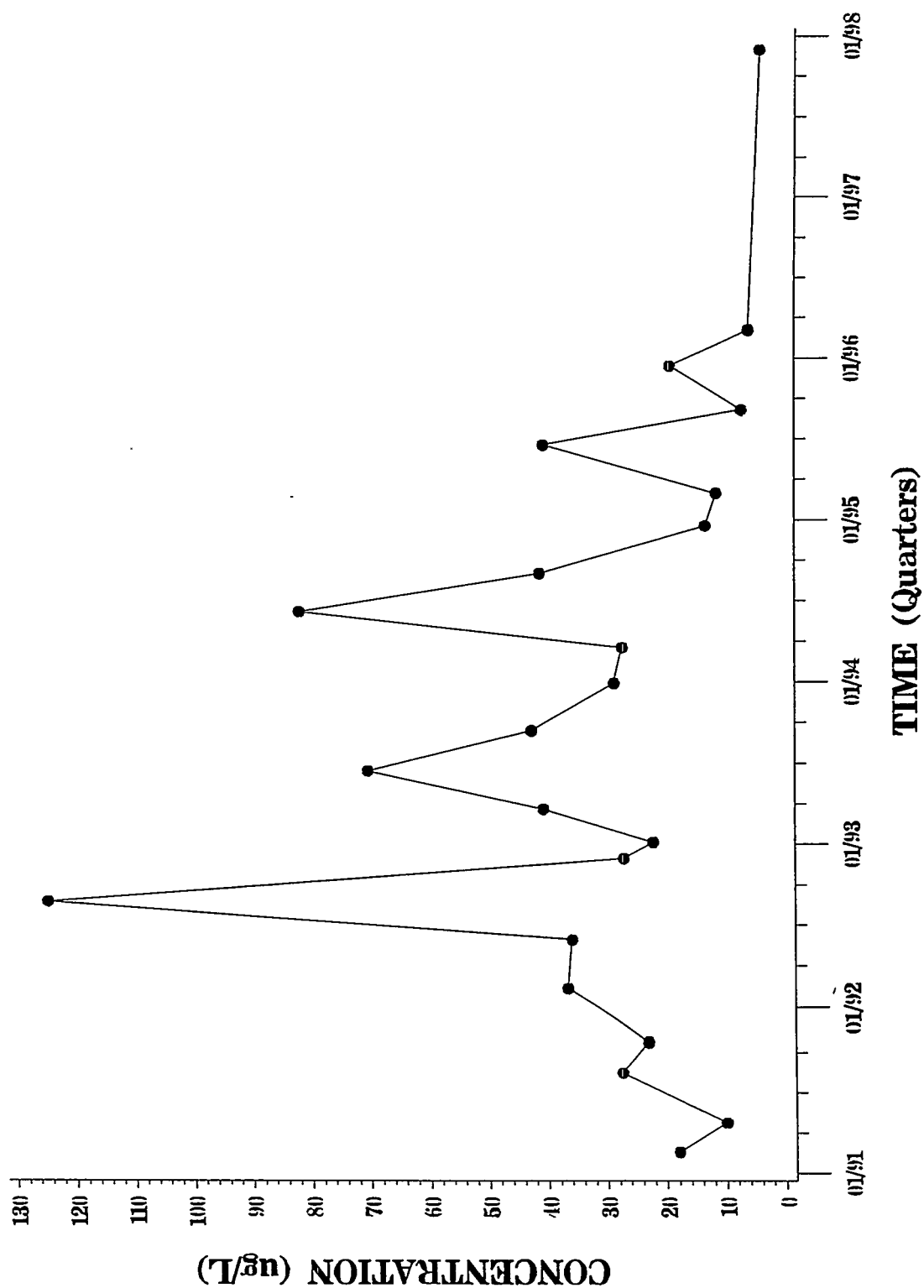
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Time Series Plot of Tetrachloroethylene Concentration
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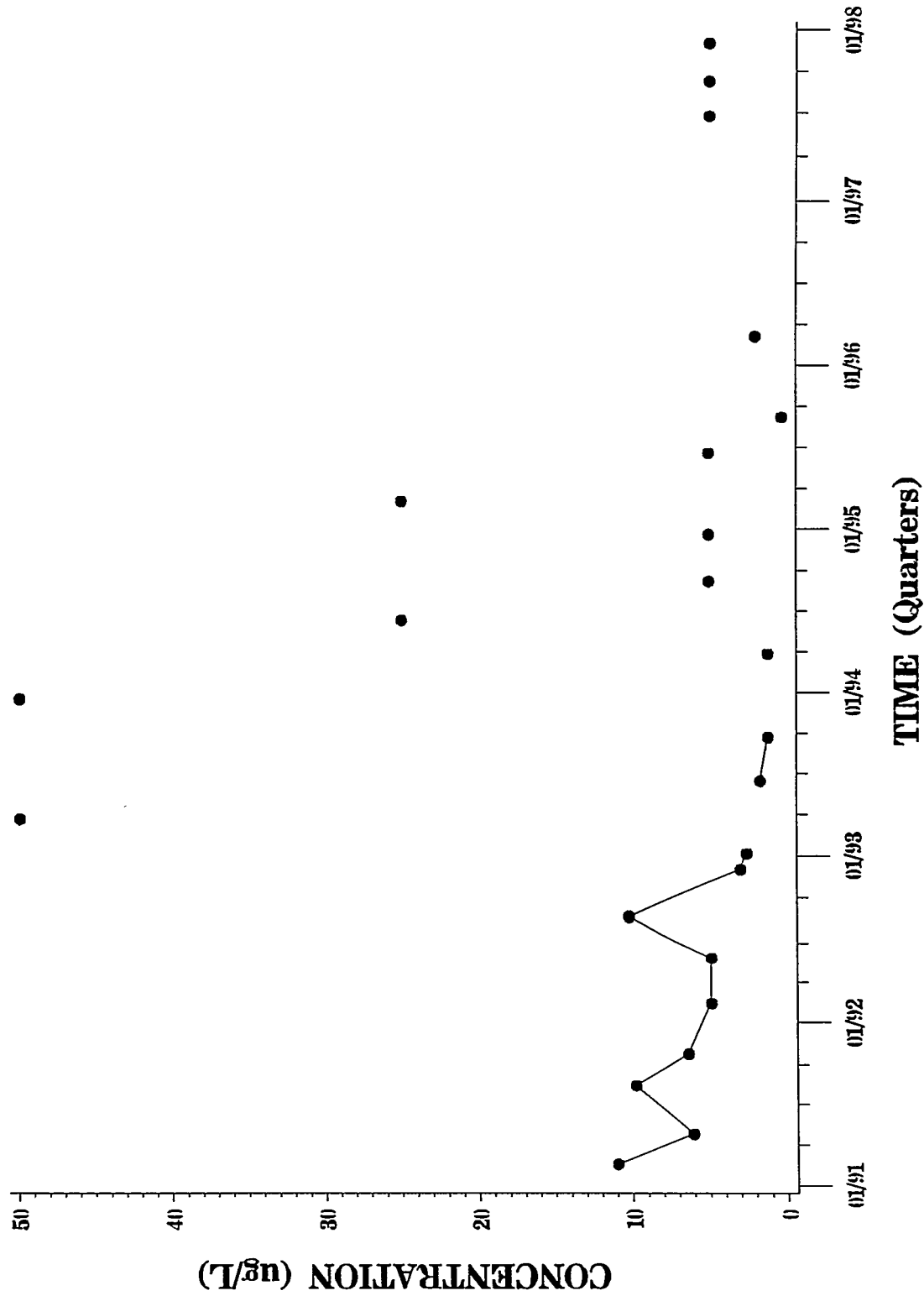
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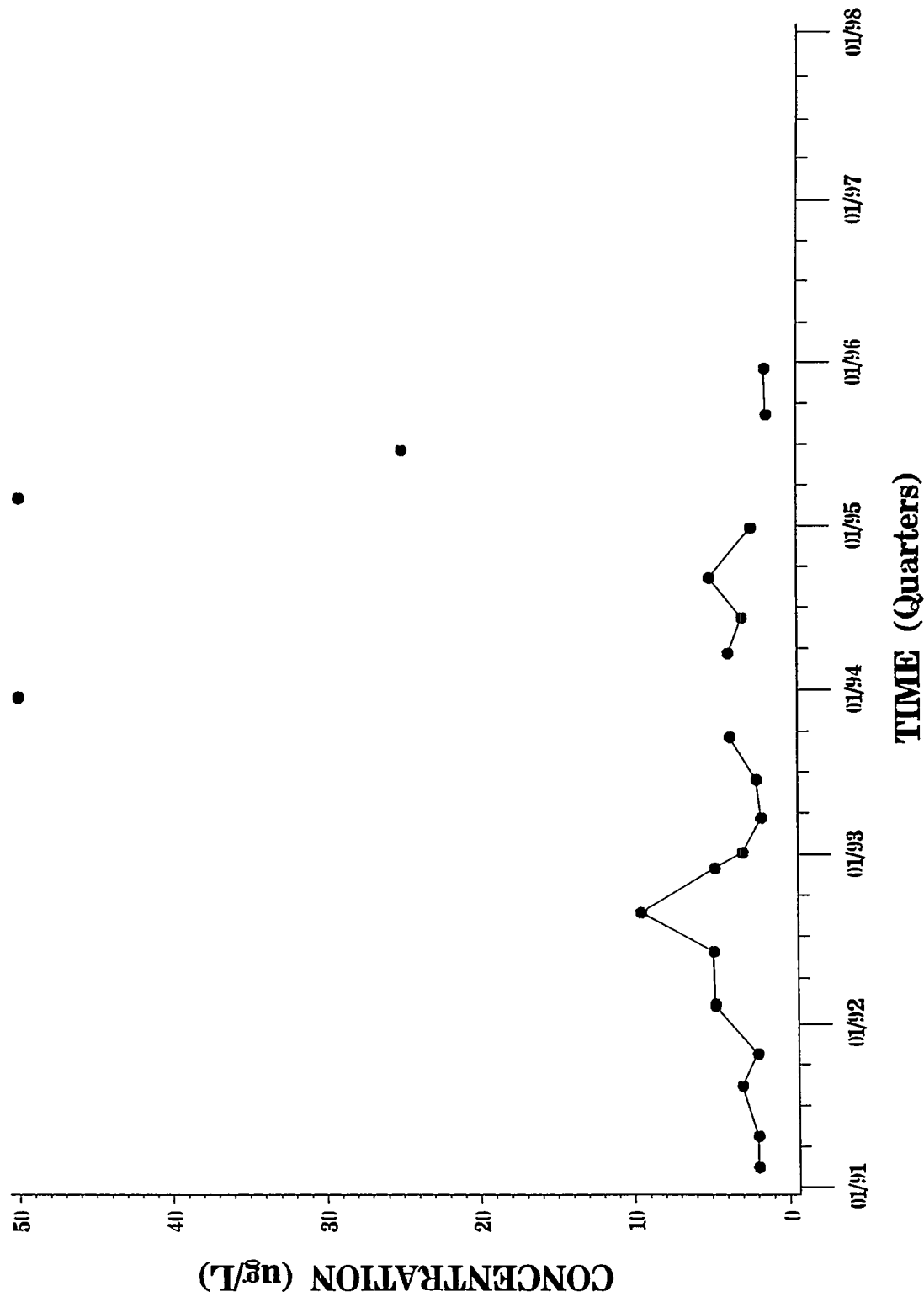


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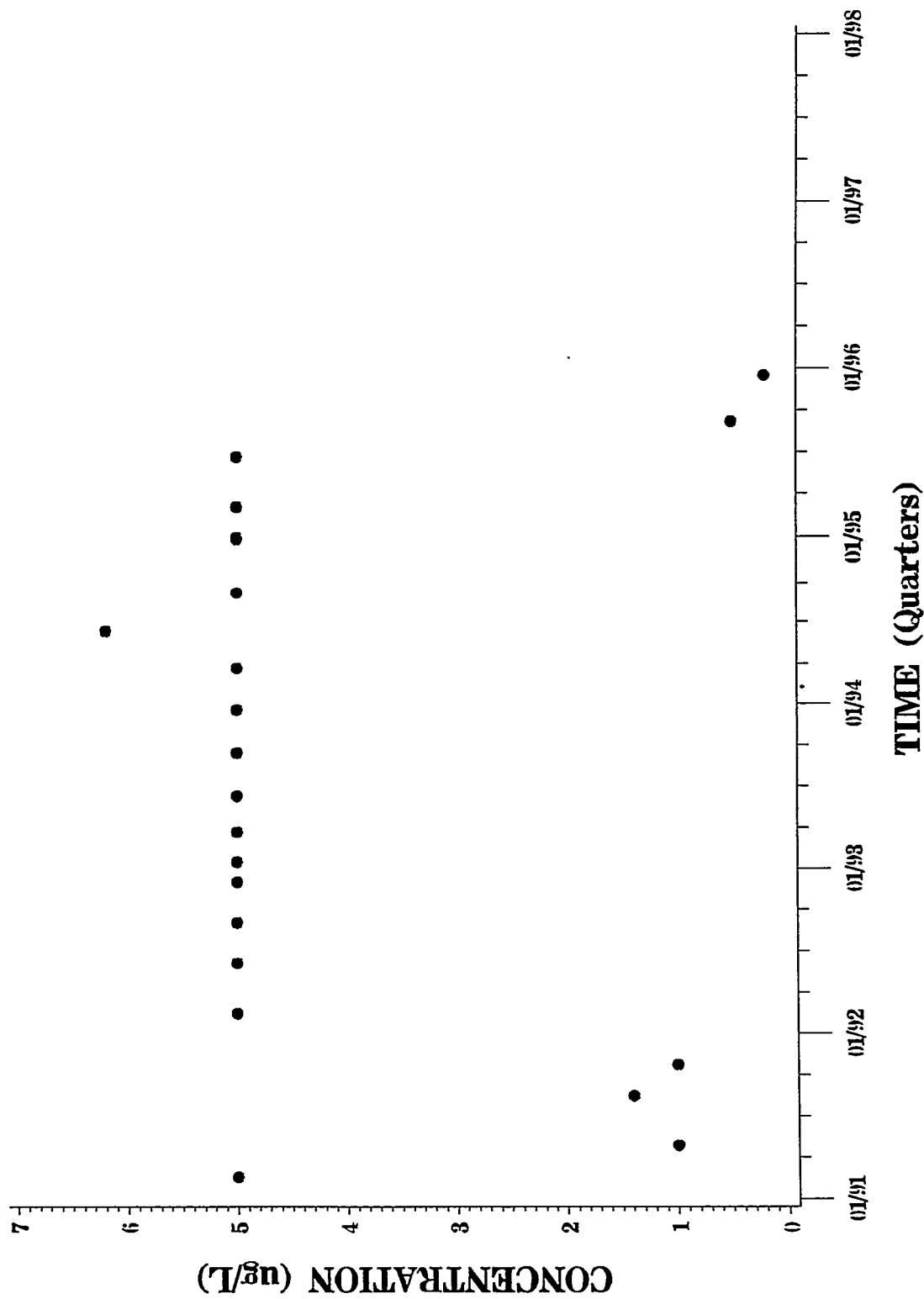
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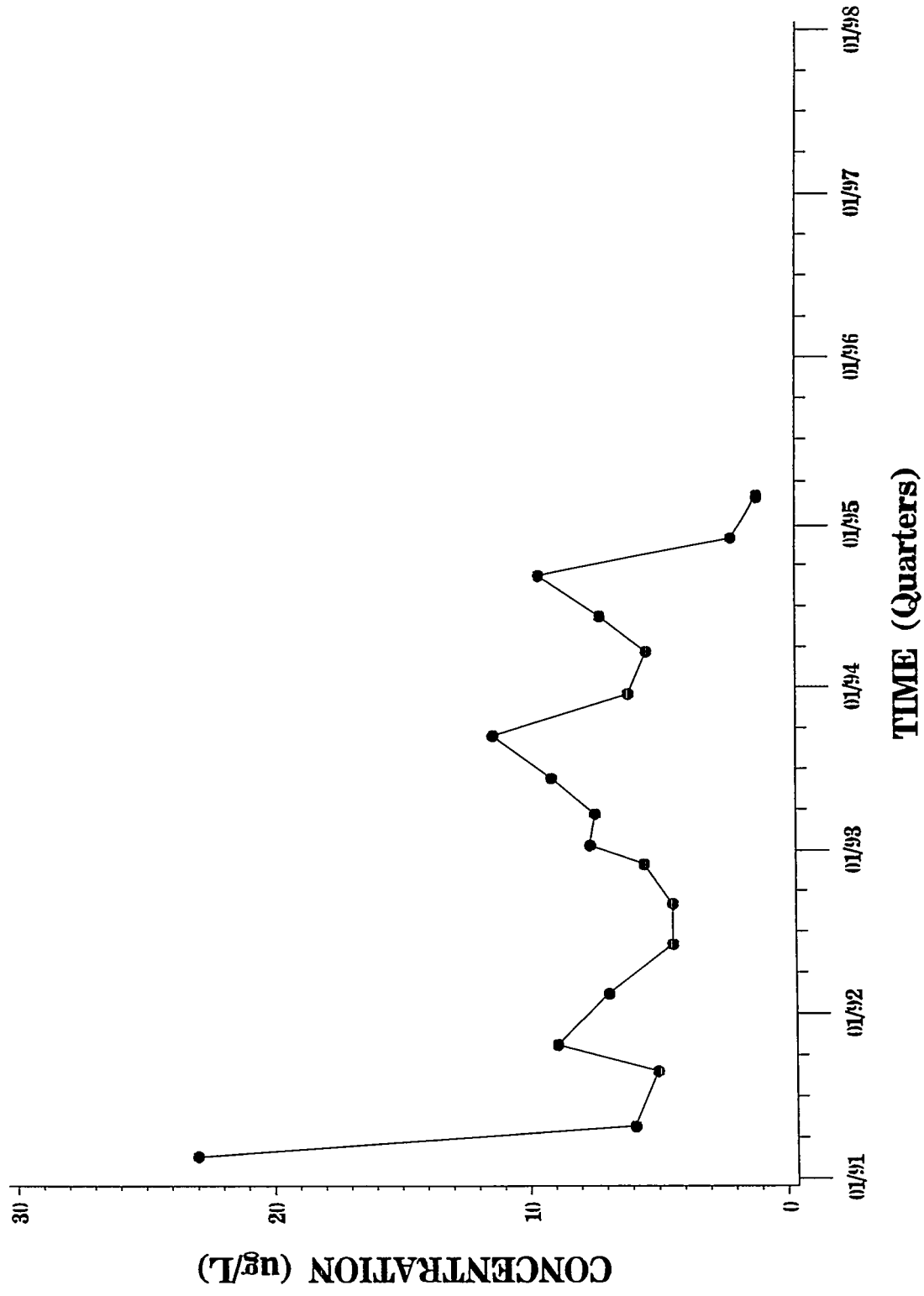
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Time Series Plot of Tetrachloroethylene Concentration
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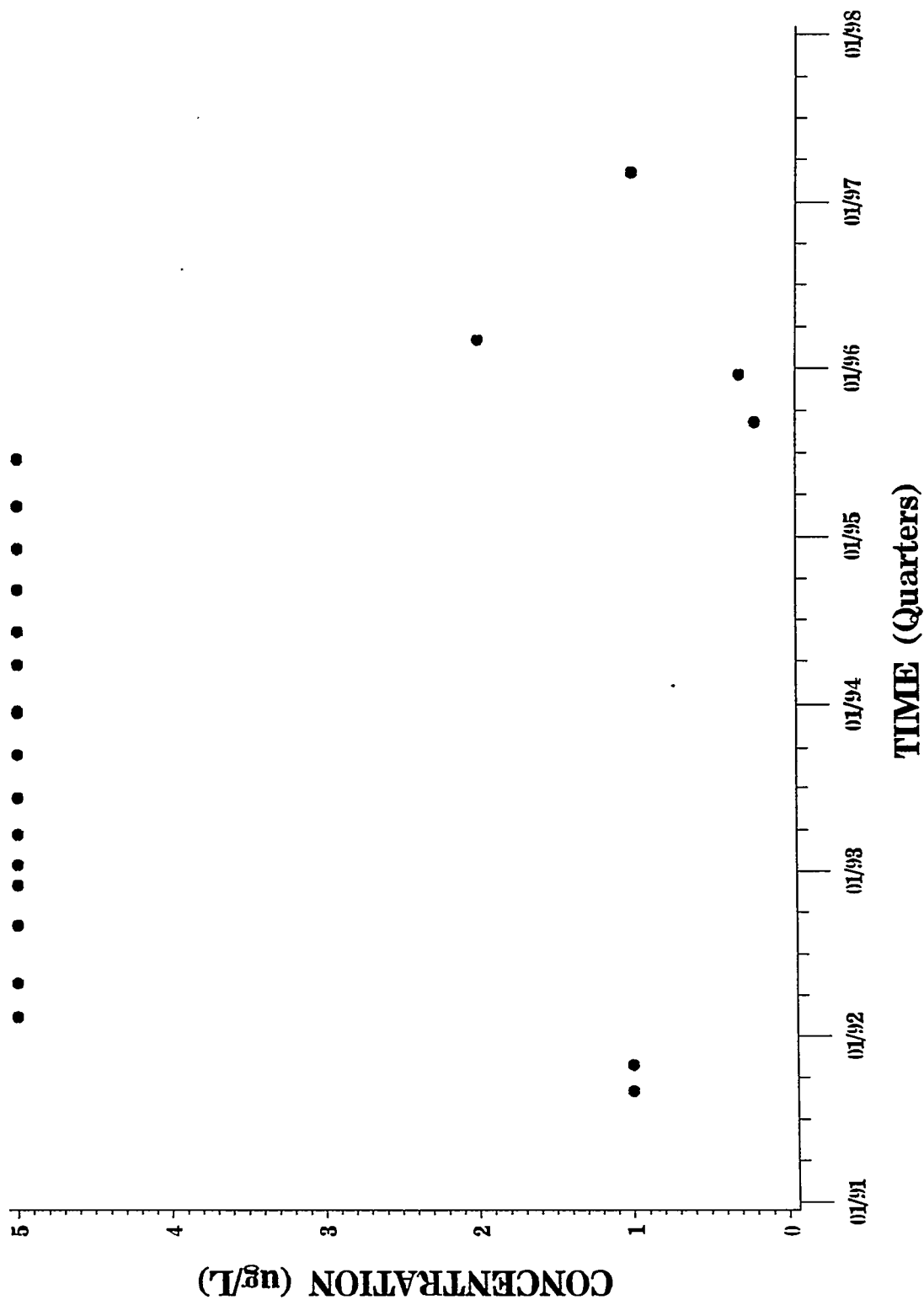


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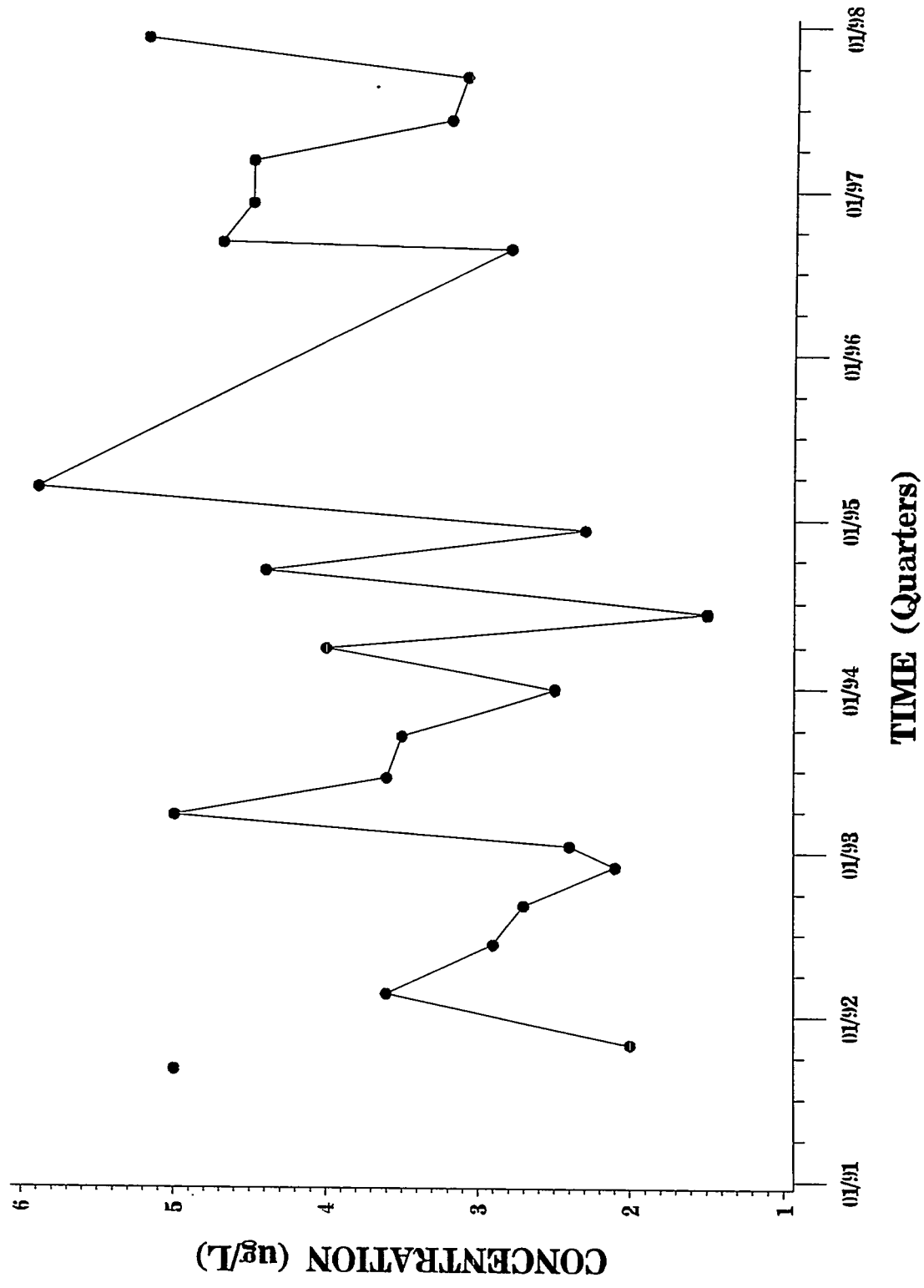


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Time Series Plot of Tetrachloroethylene Concentration
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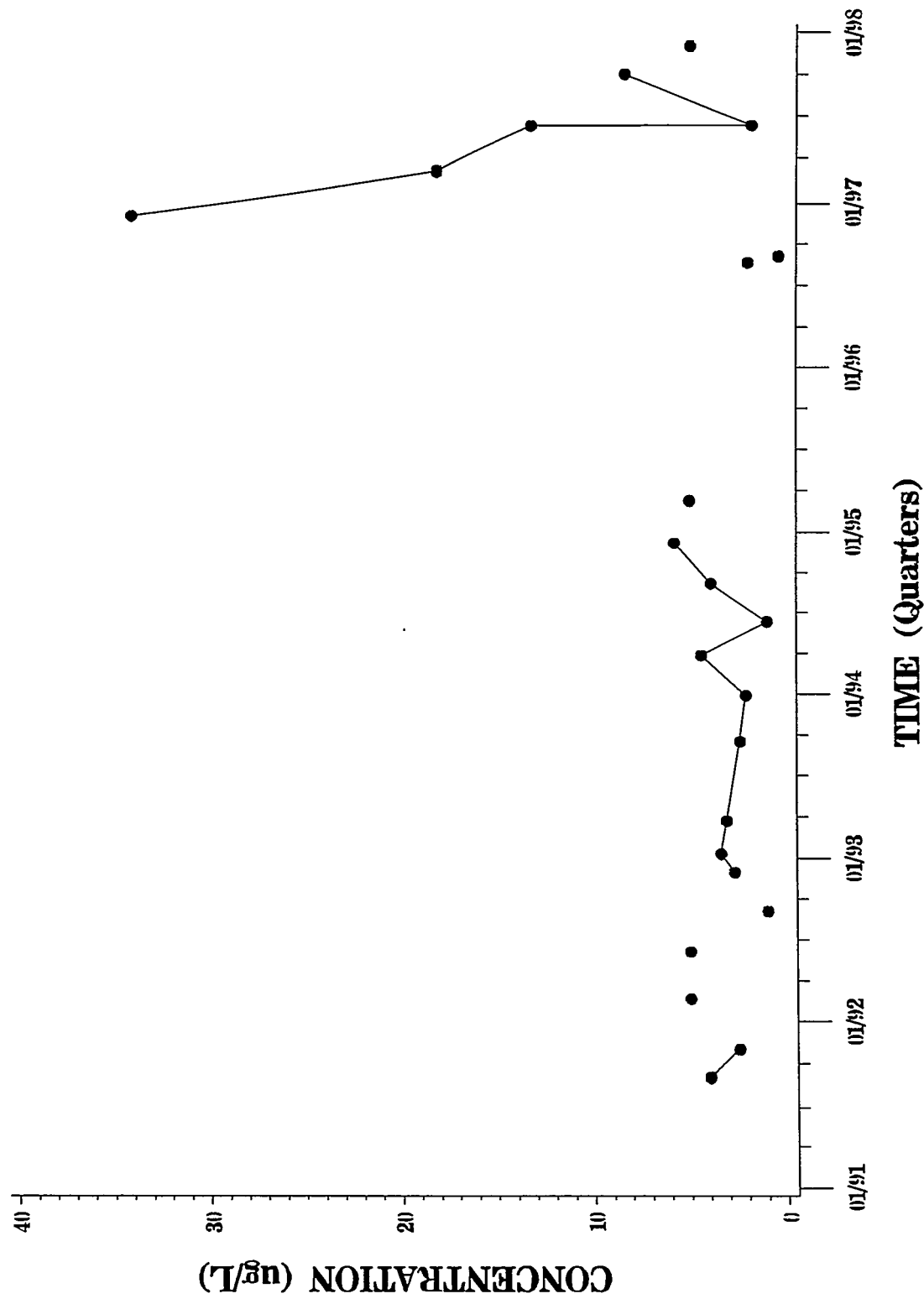


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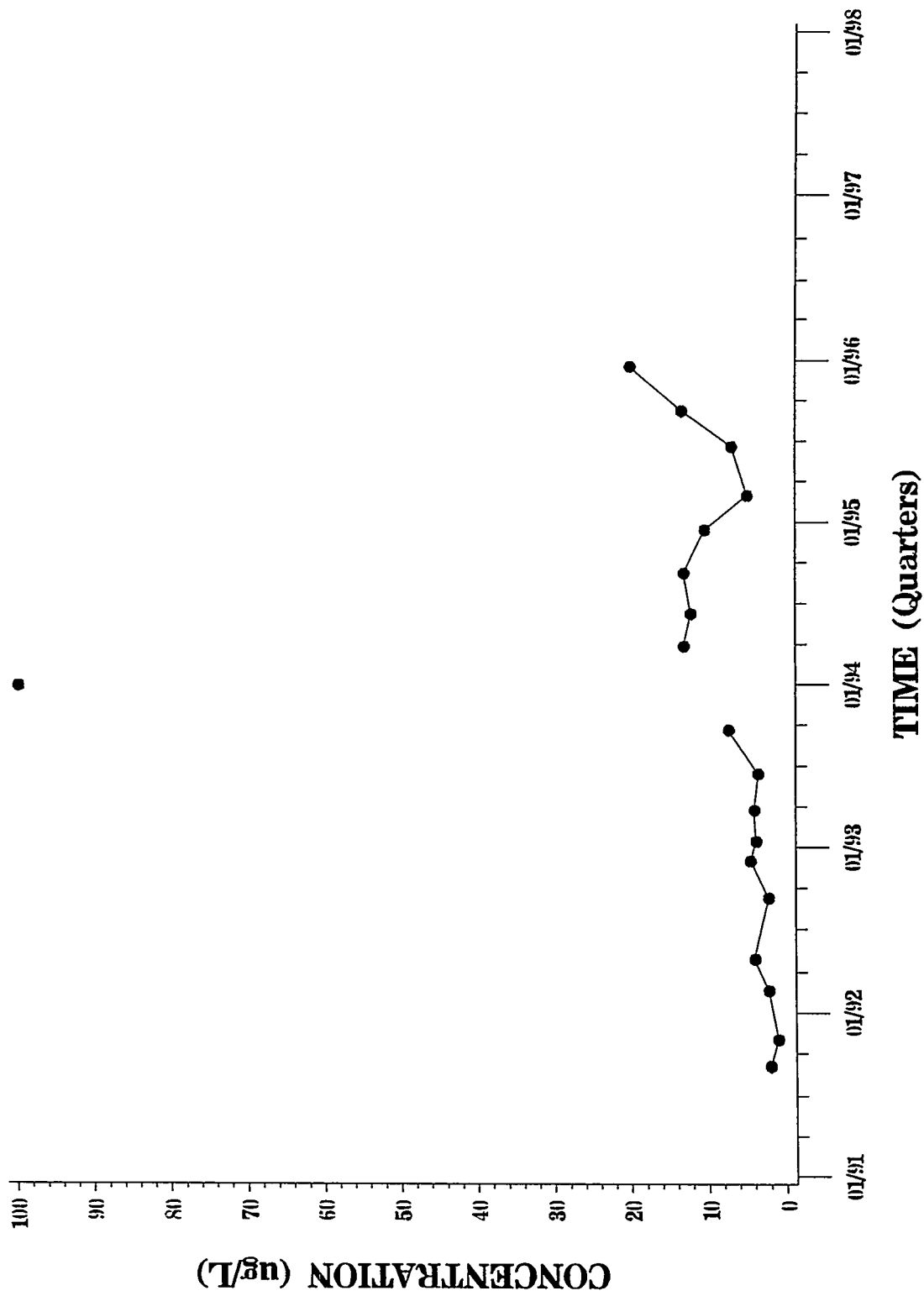
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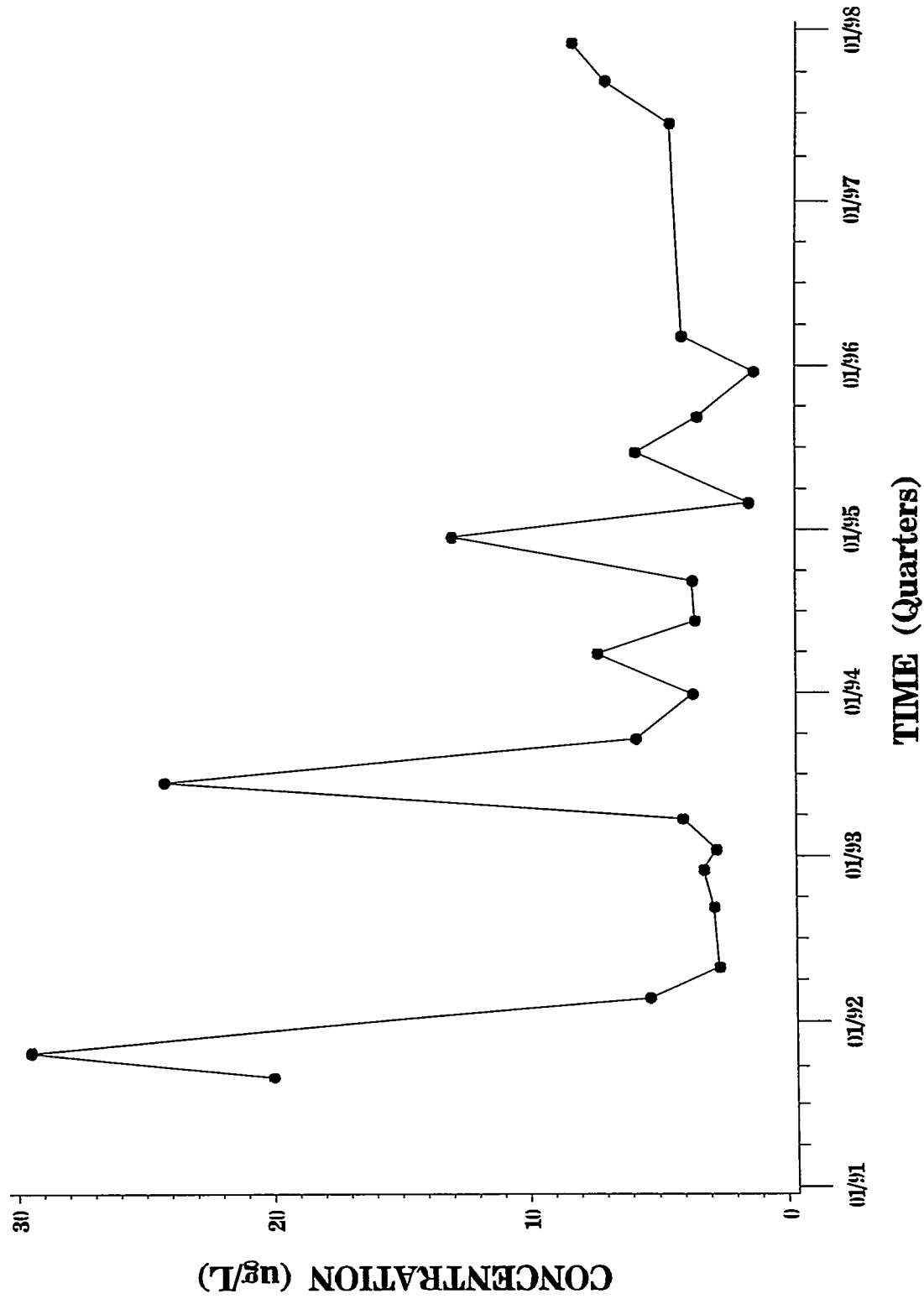
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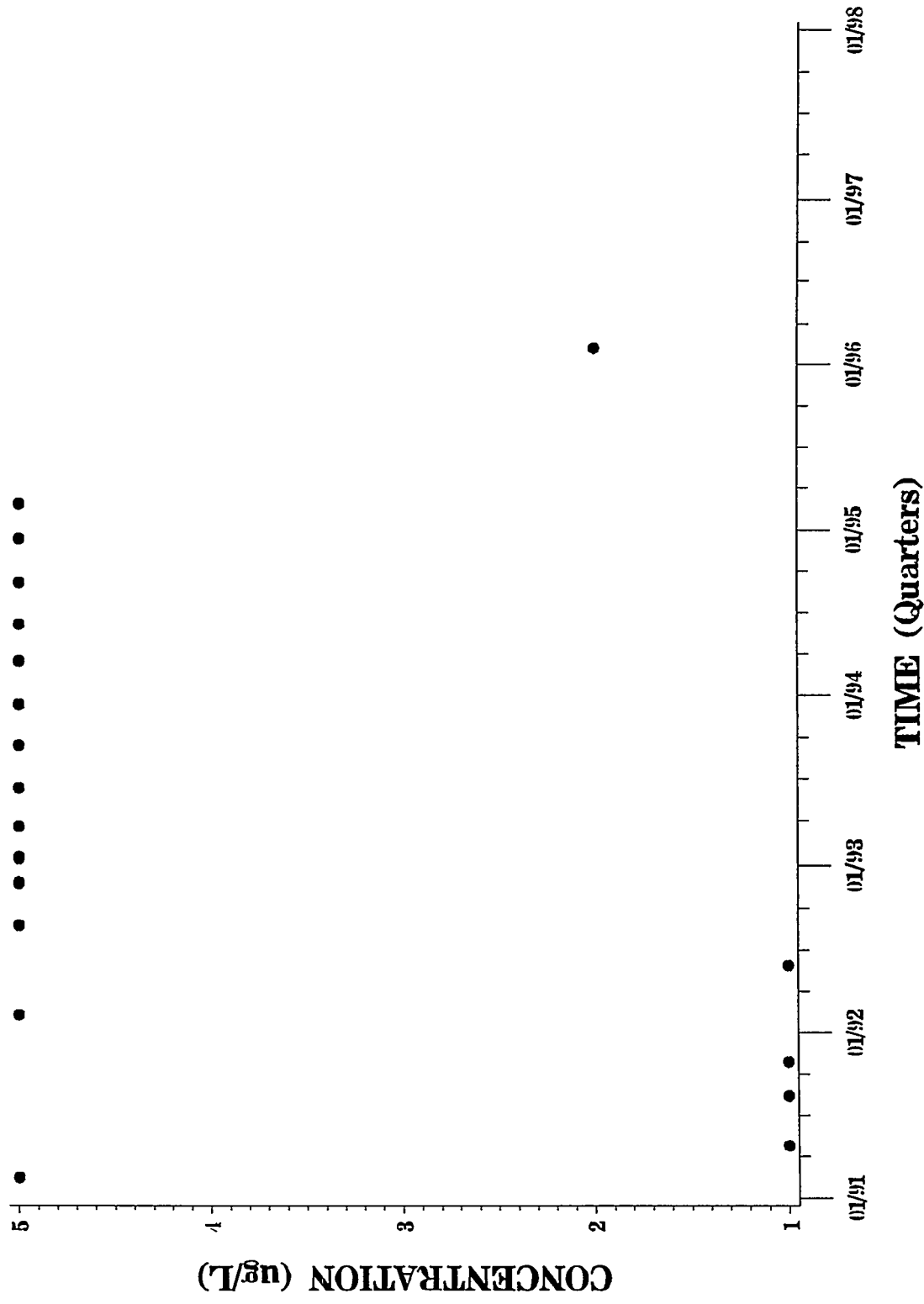
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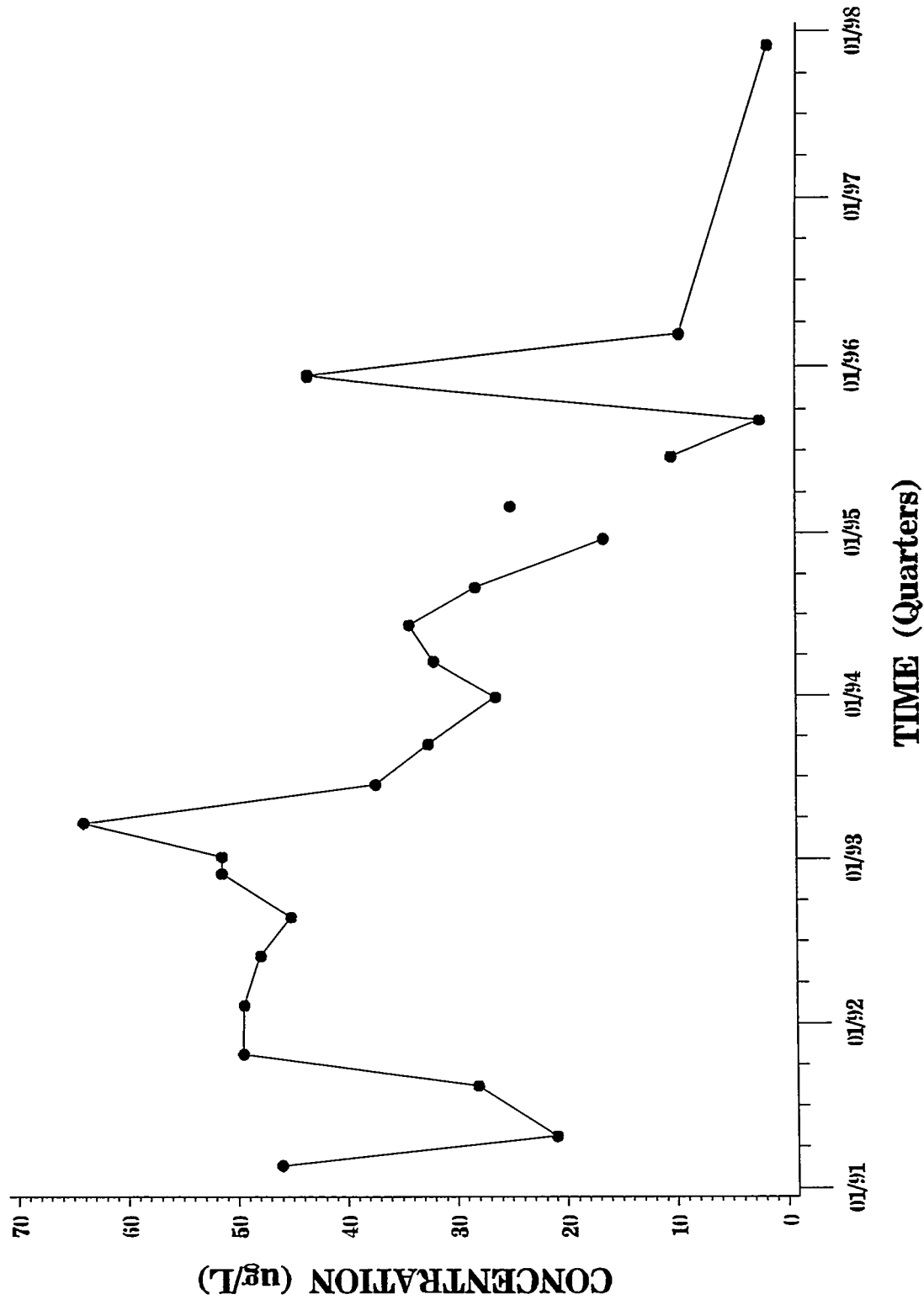
Fourth Quarter, 1997 & 1997 Summary

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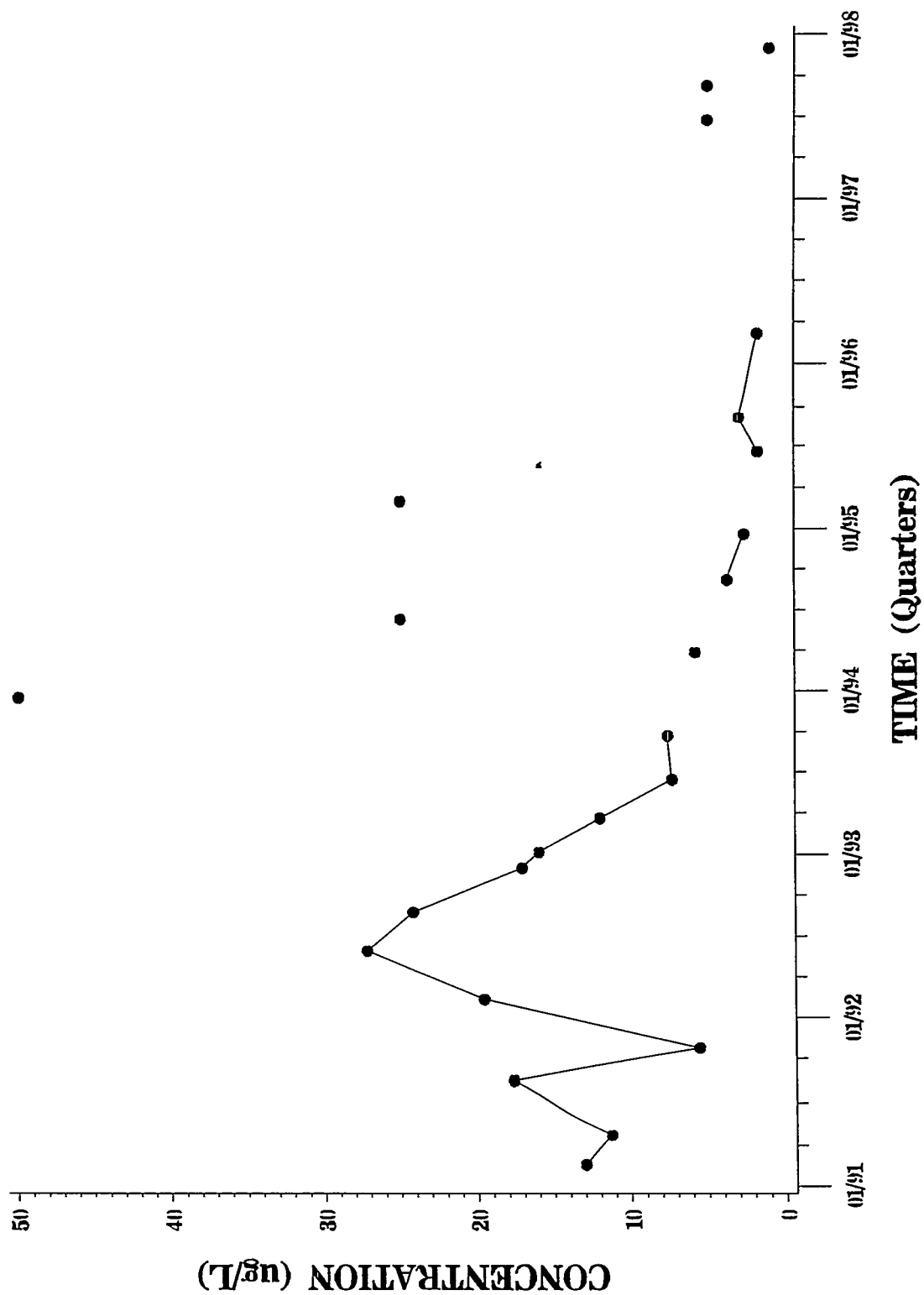
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Time Series Plot of Trichloroethylene Concentration
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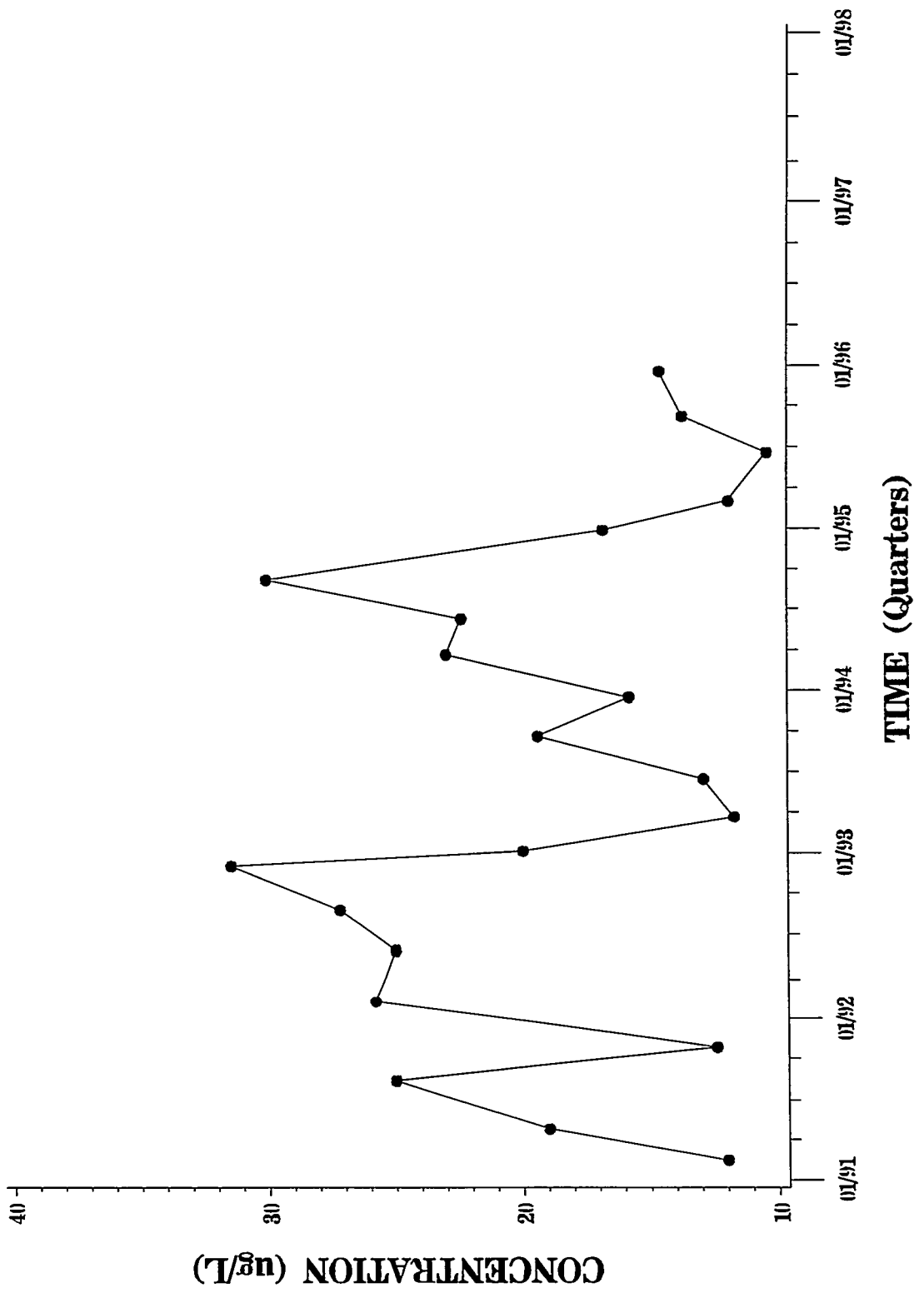
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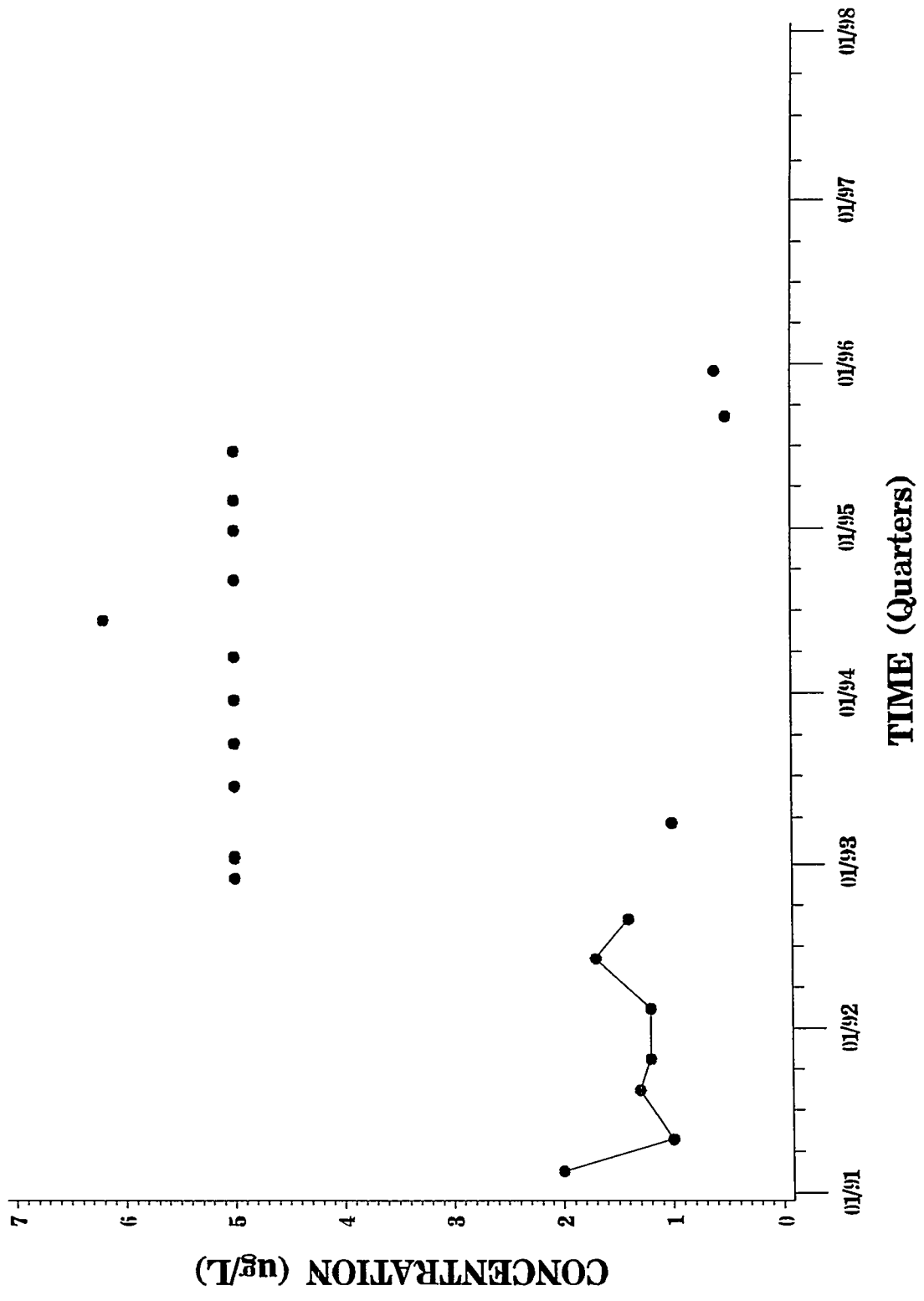


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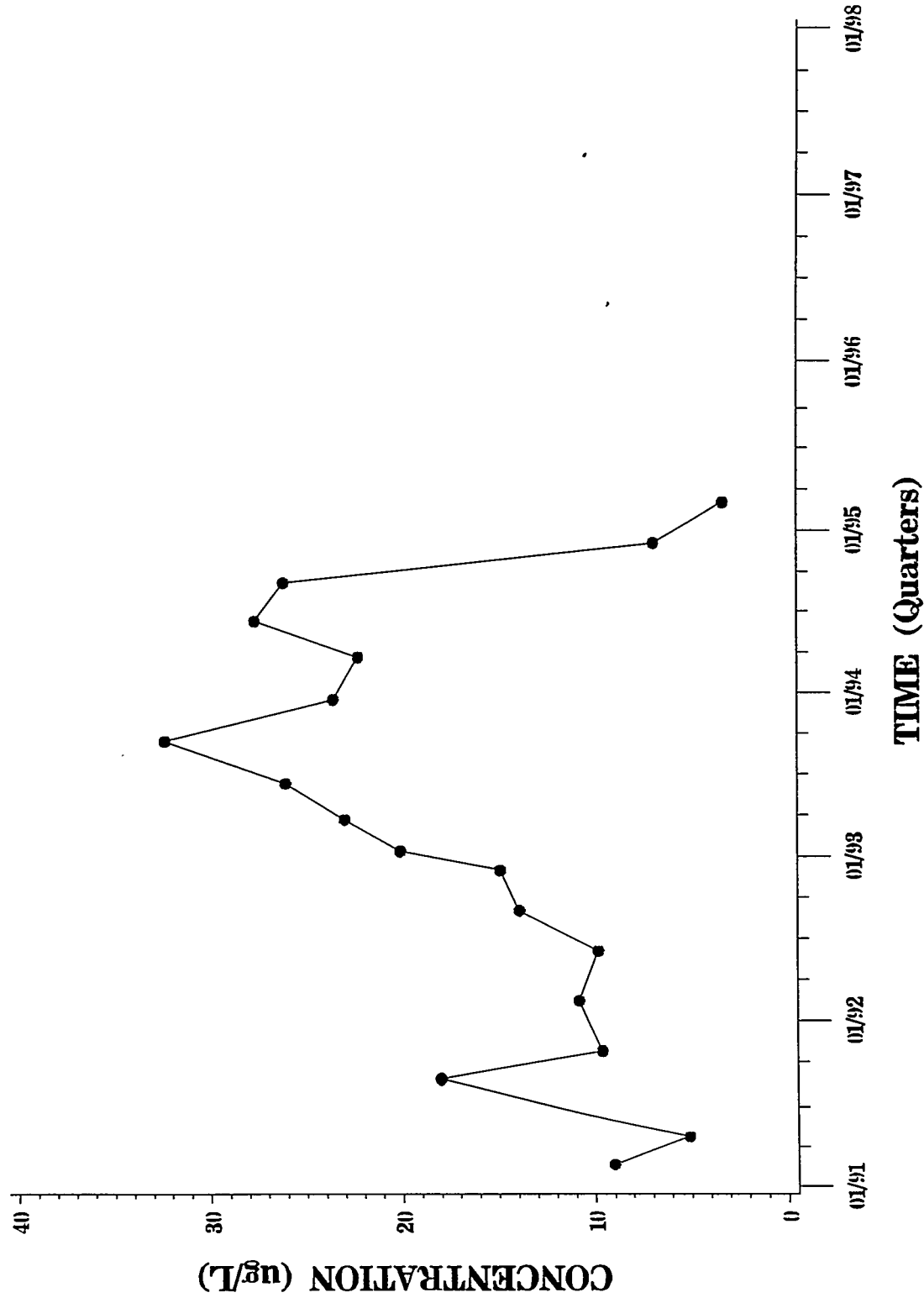


Time Series Plot of Trichloroethylene Concentration
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Unclassified



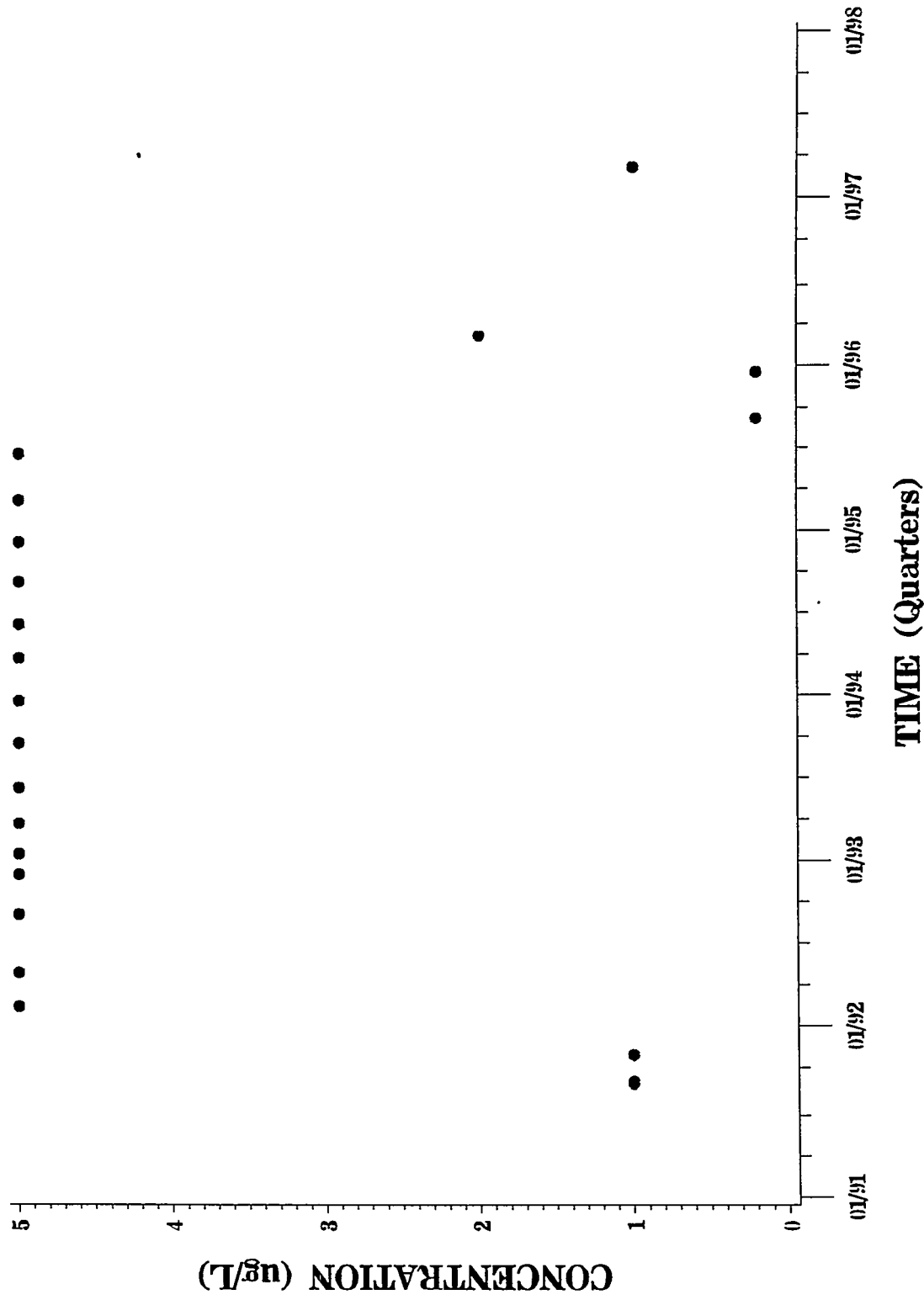
Time Series Plot of Trichloroethylene Concentration
WELL LFW 39

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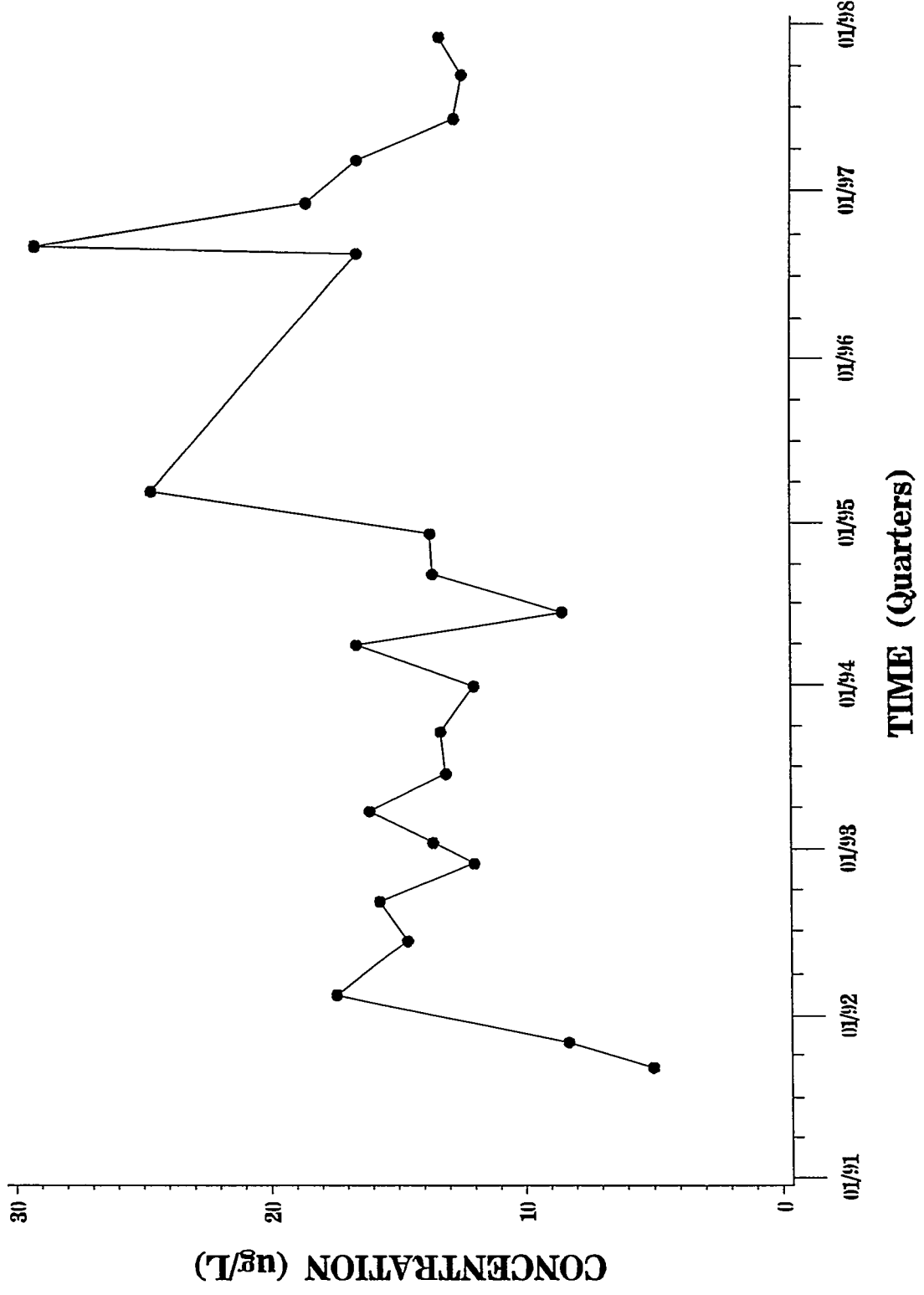


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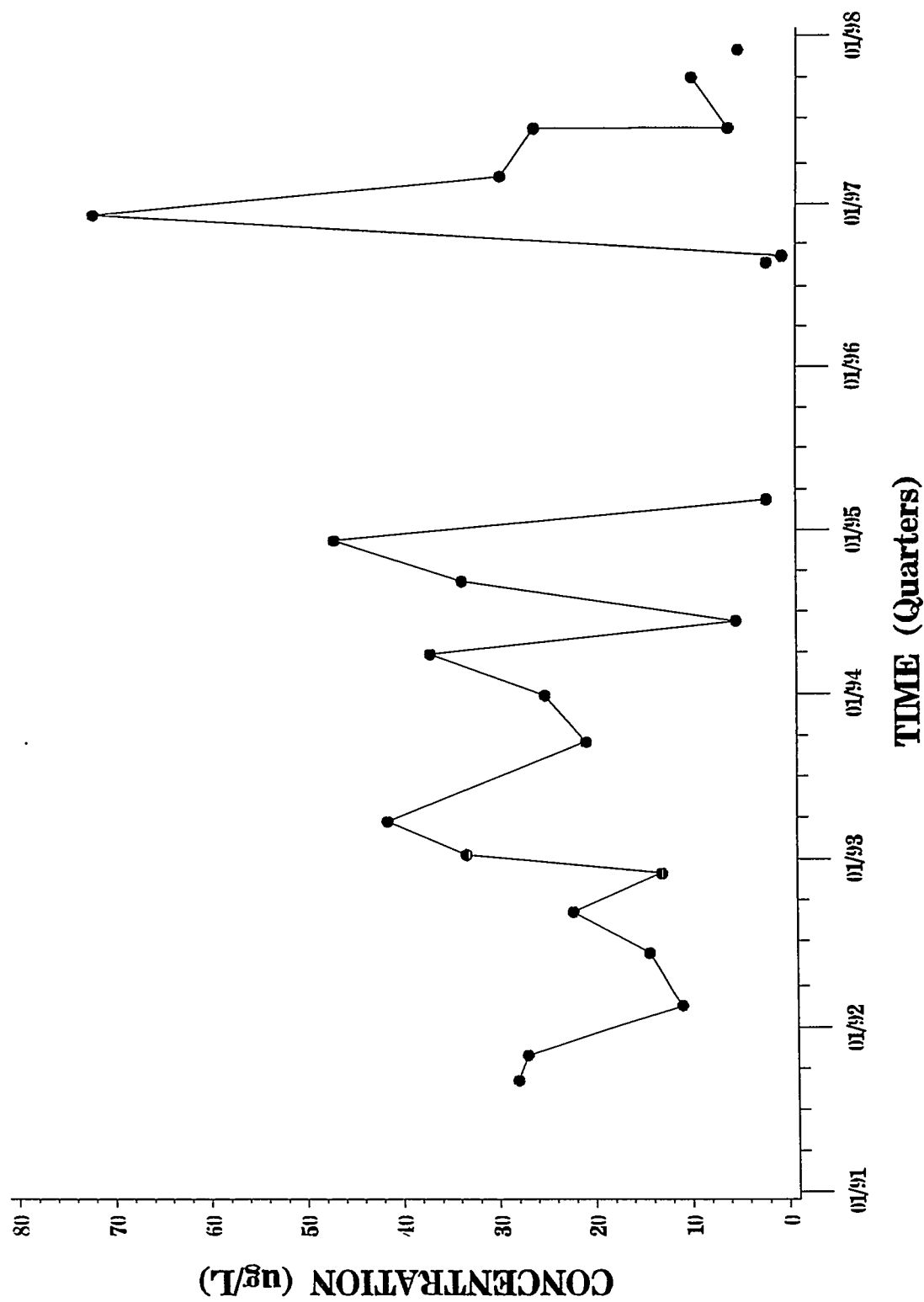
Time Series Plot of Trichloroethylene Concentration
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Time Series Plot of Trichloroethylene Concentration
WELL LFW 58D
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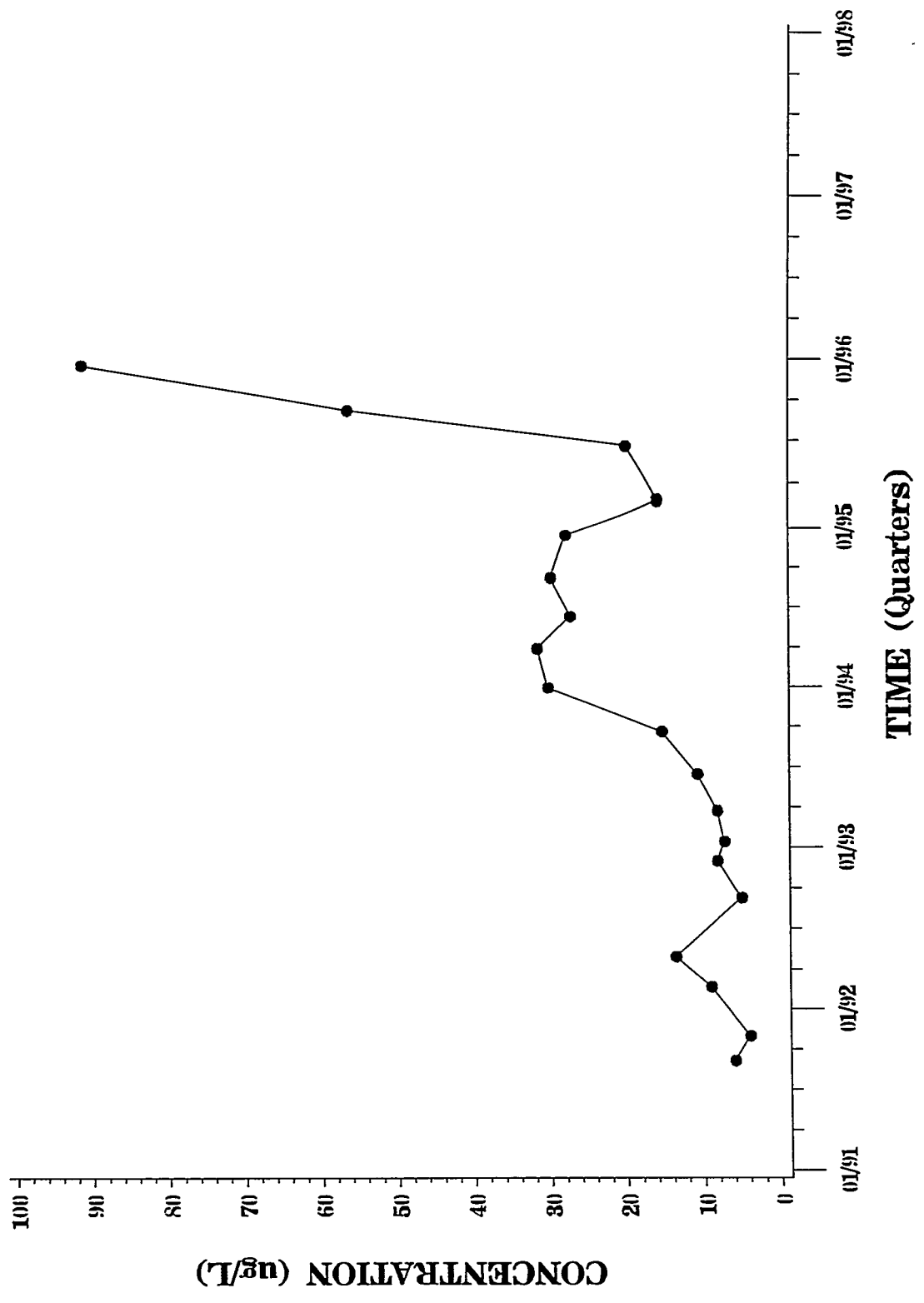


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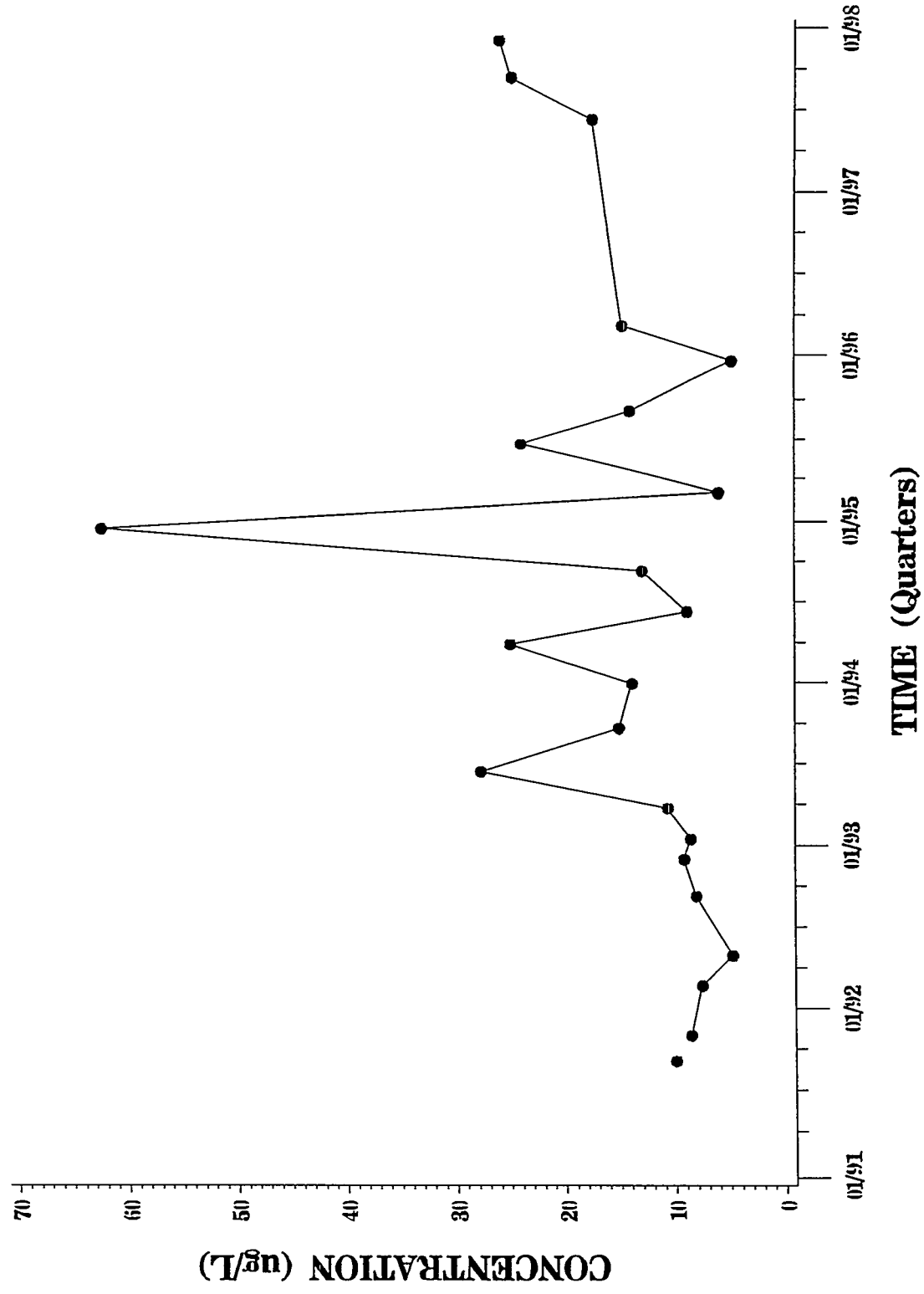
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Time Series Plot of Trichloroethylene Concentration
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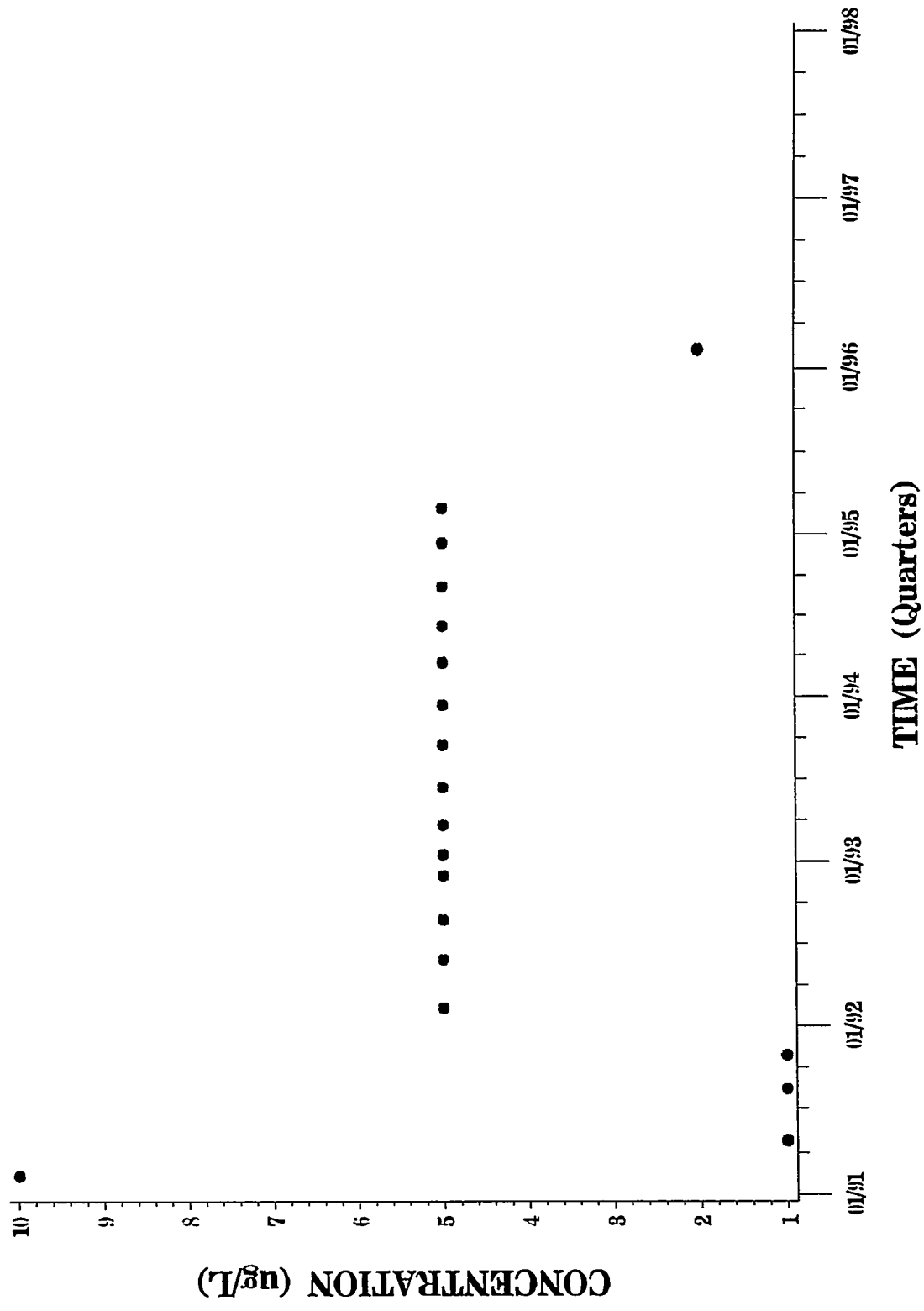


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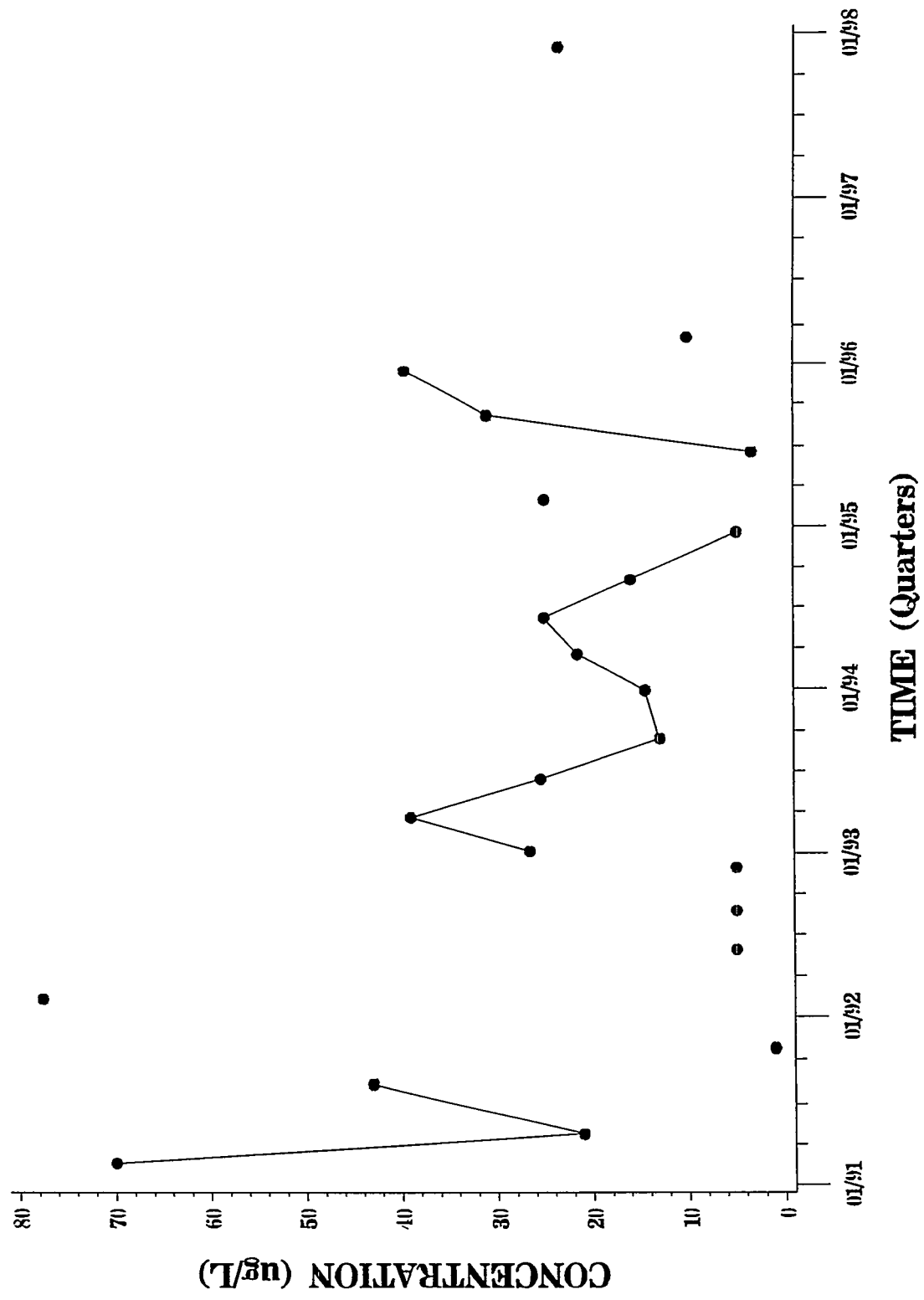
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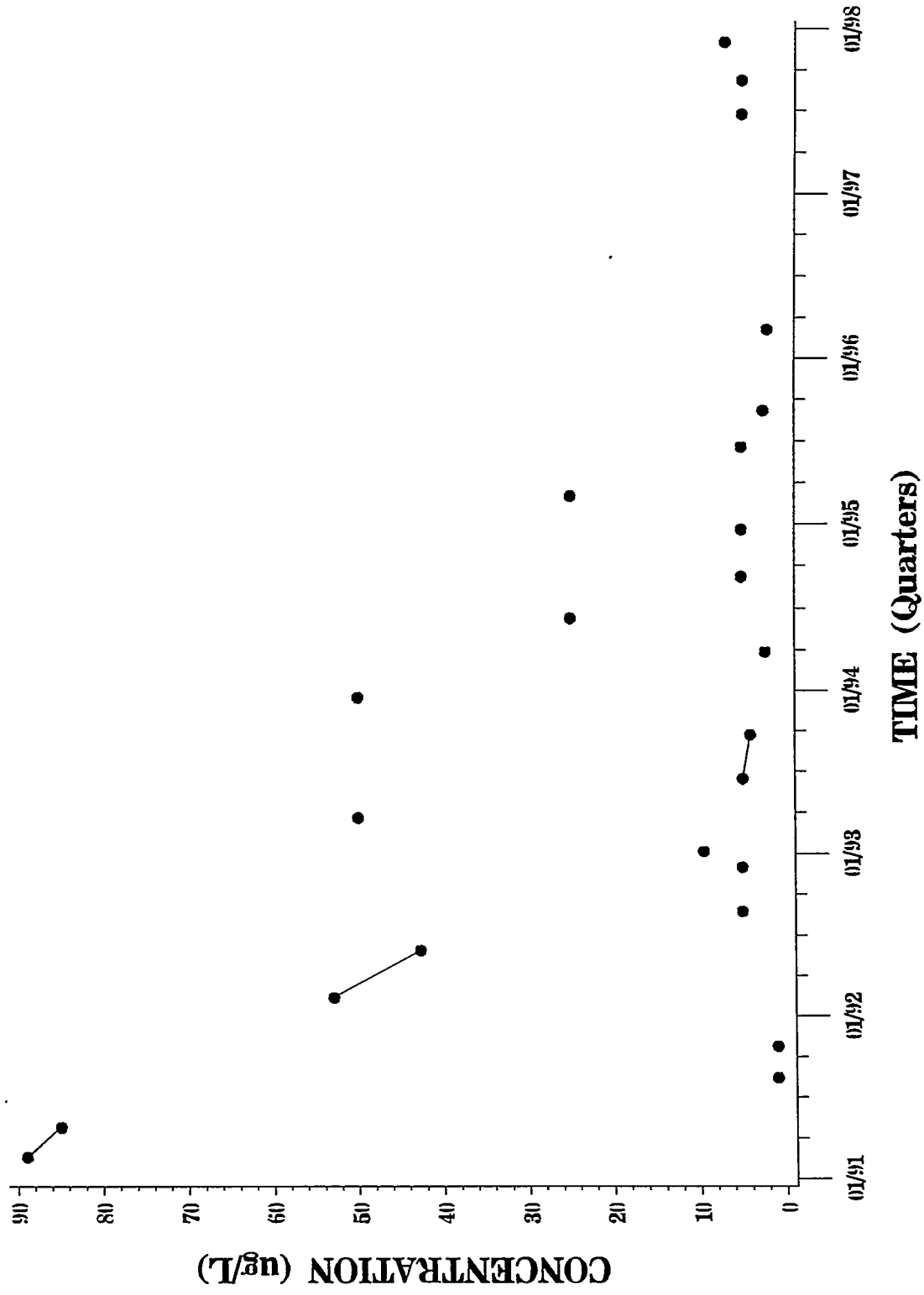


Time Series Plot of Trichlorofluoromethane Concentration
WELL LFW 8
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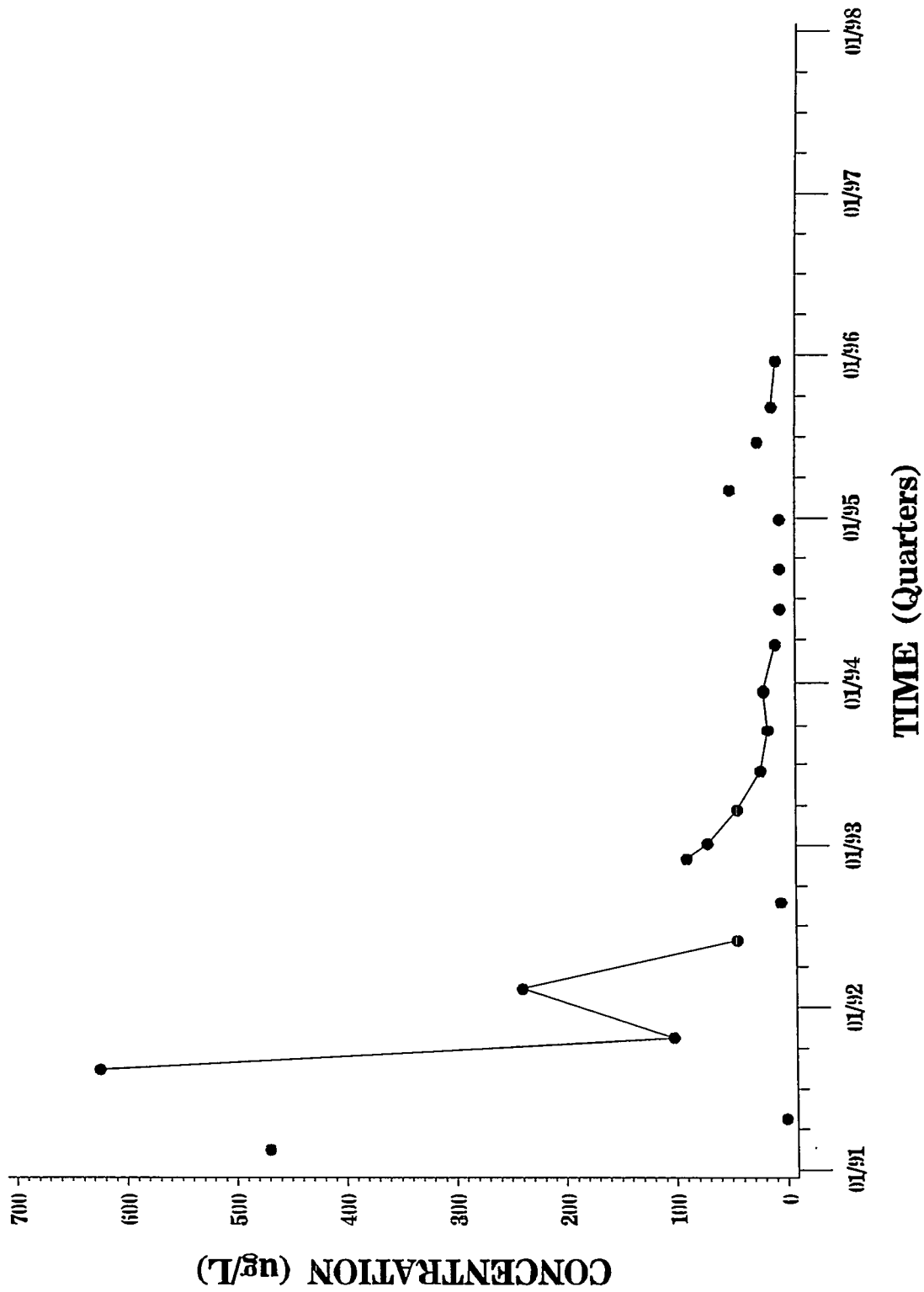


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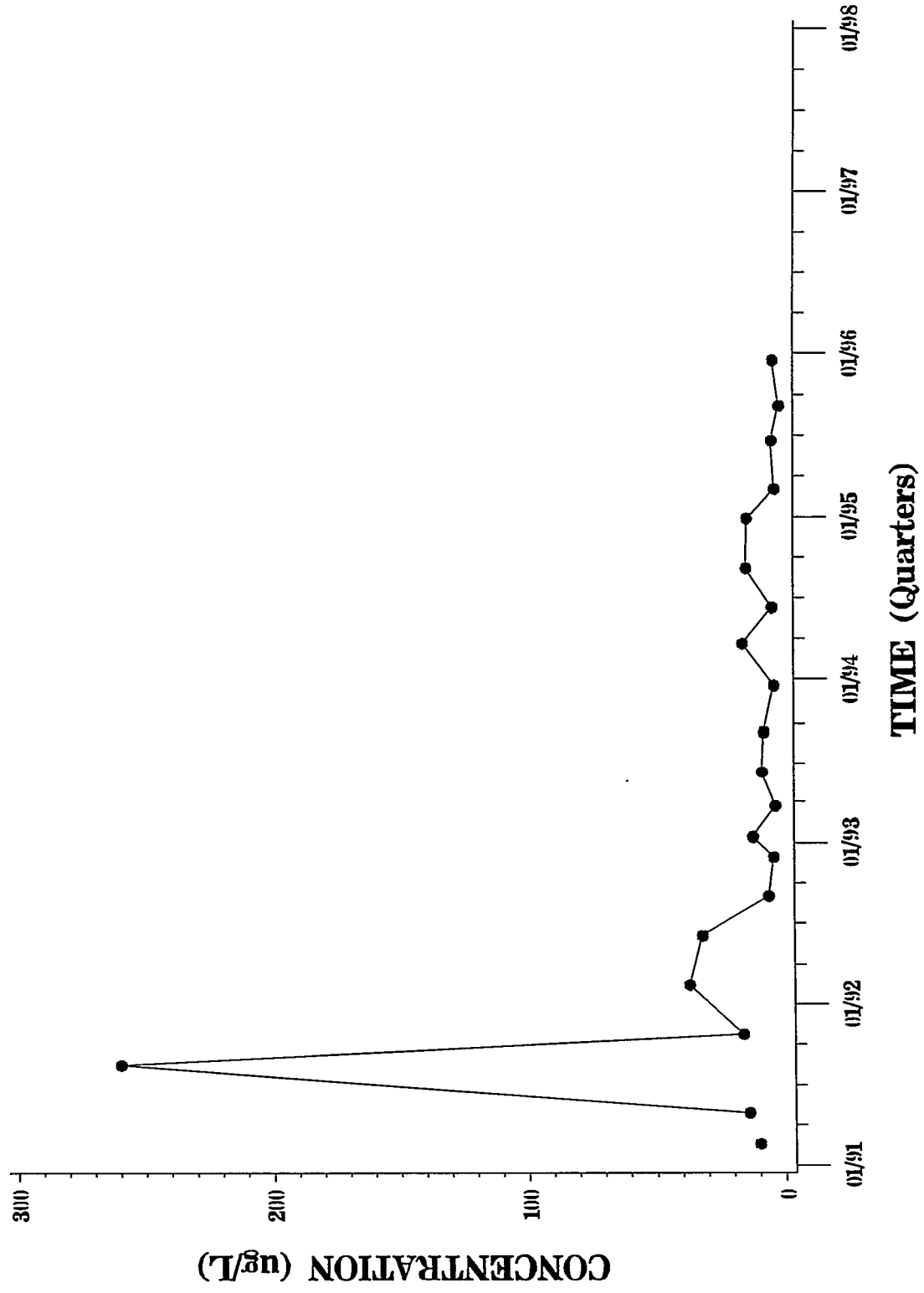




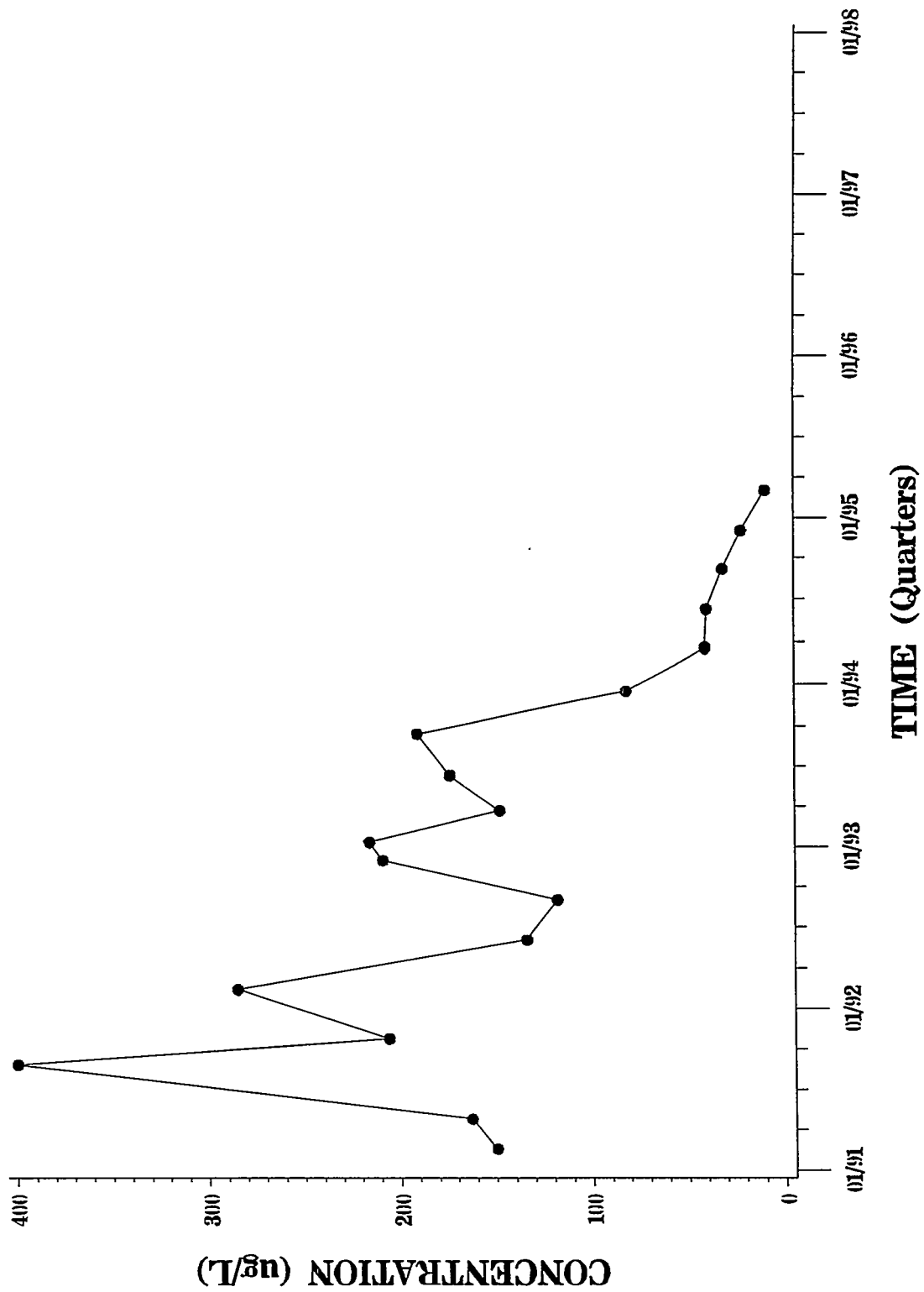
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 WELL LFW 22
 WSRC - TR - 98 - 00006
 Unclassified



Time Series Plot of Trichlorofluoromethane Concentration
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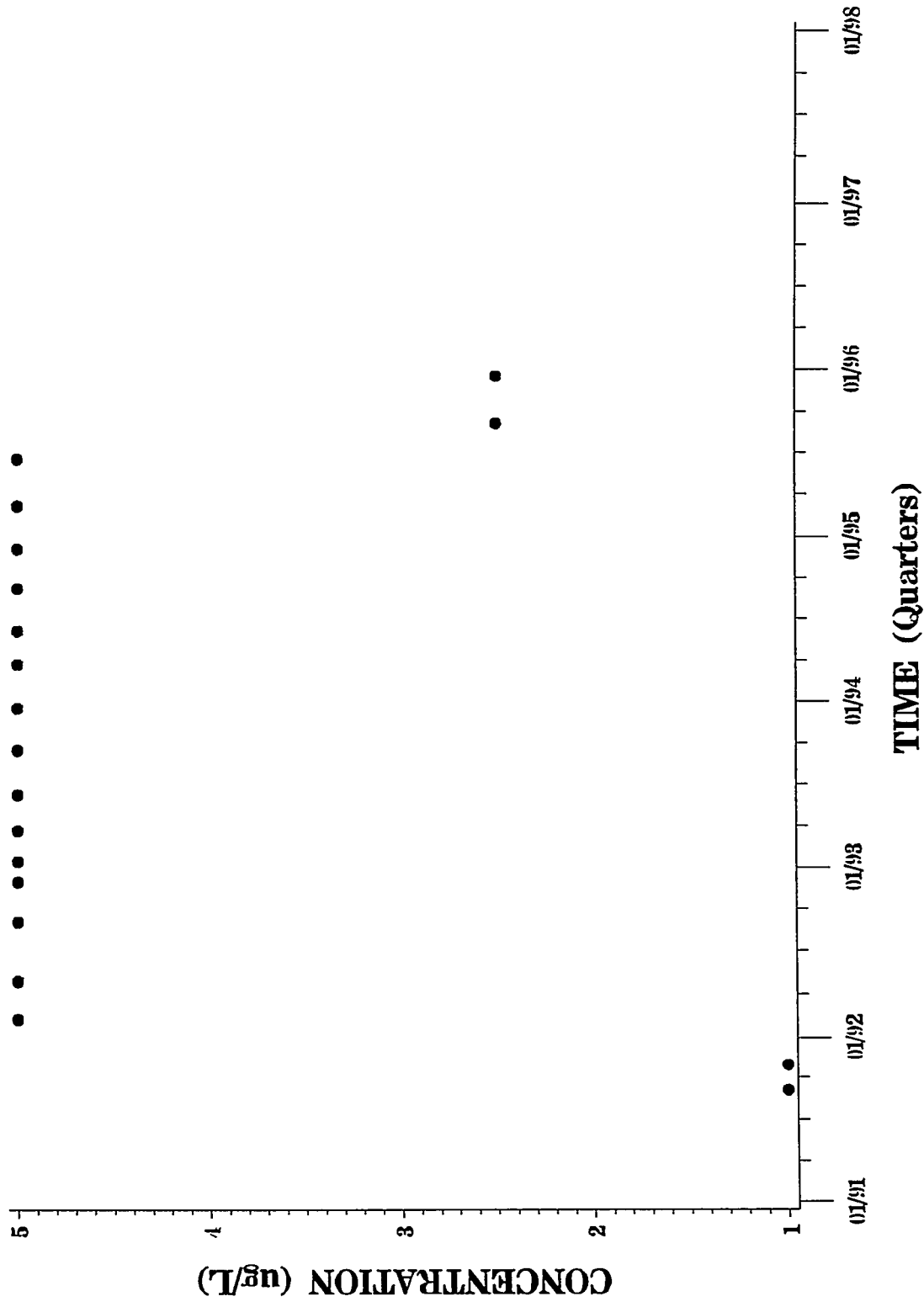


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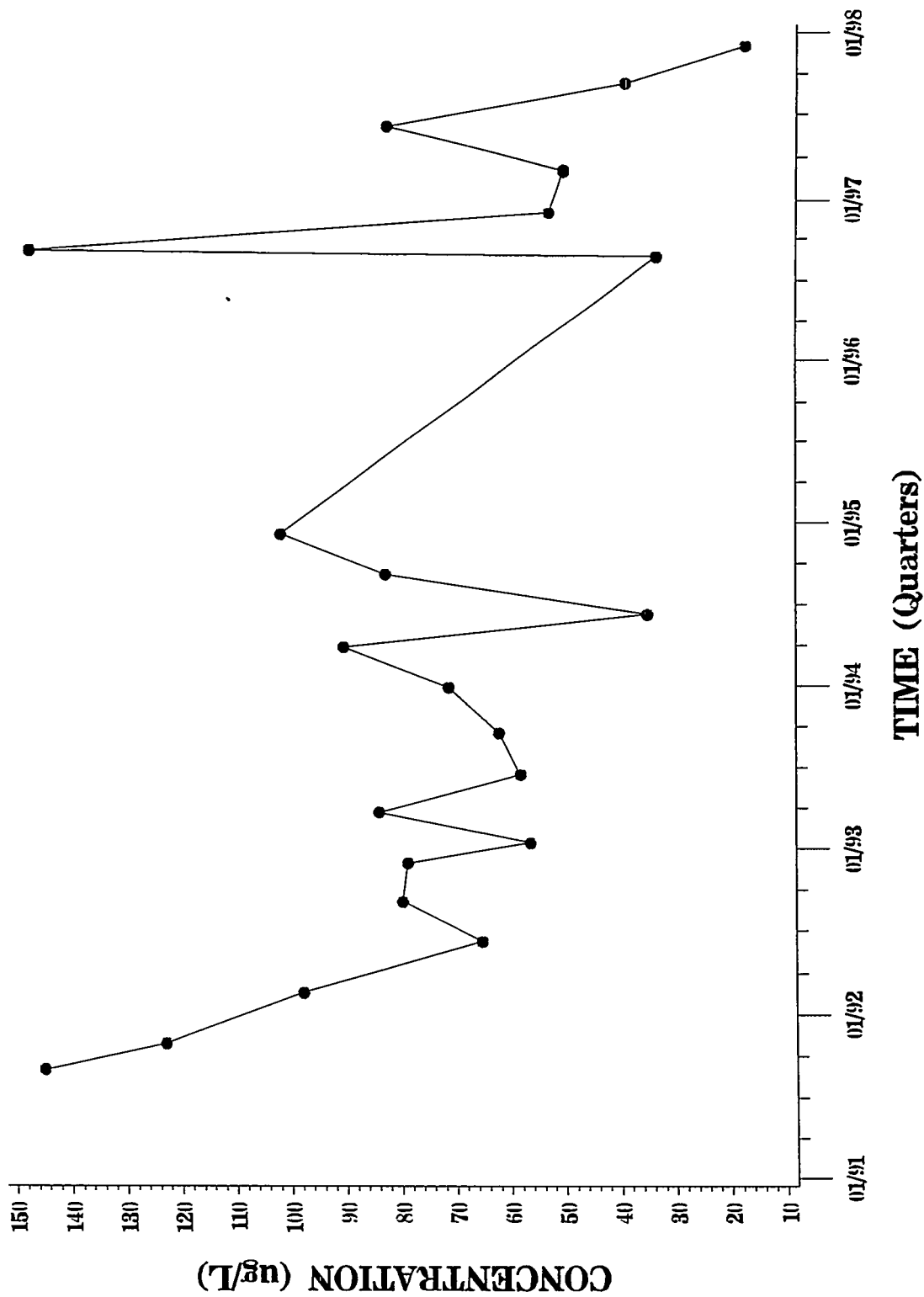


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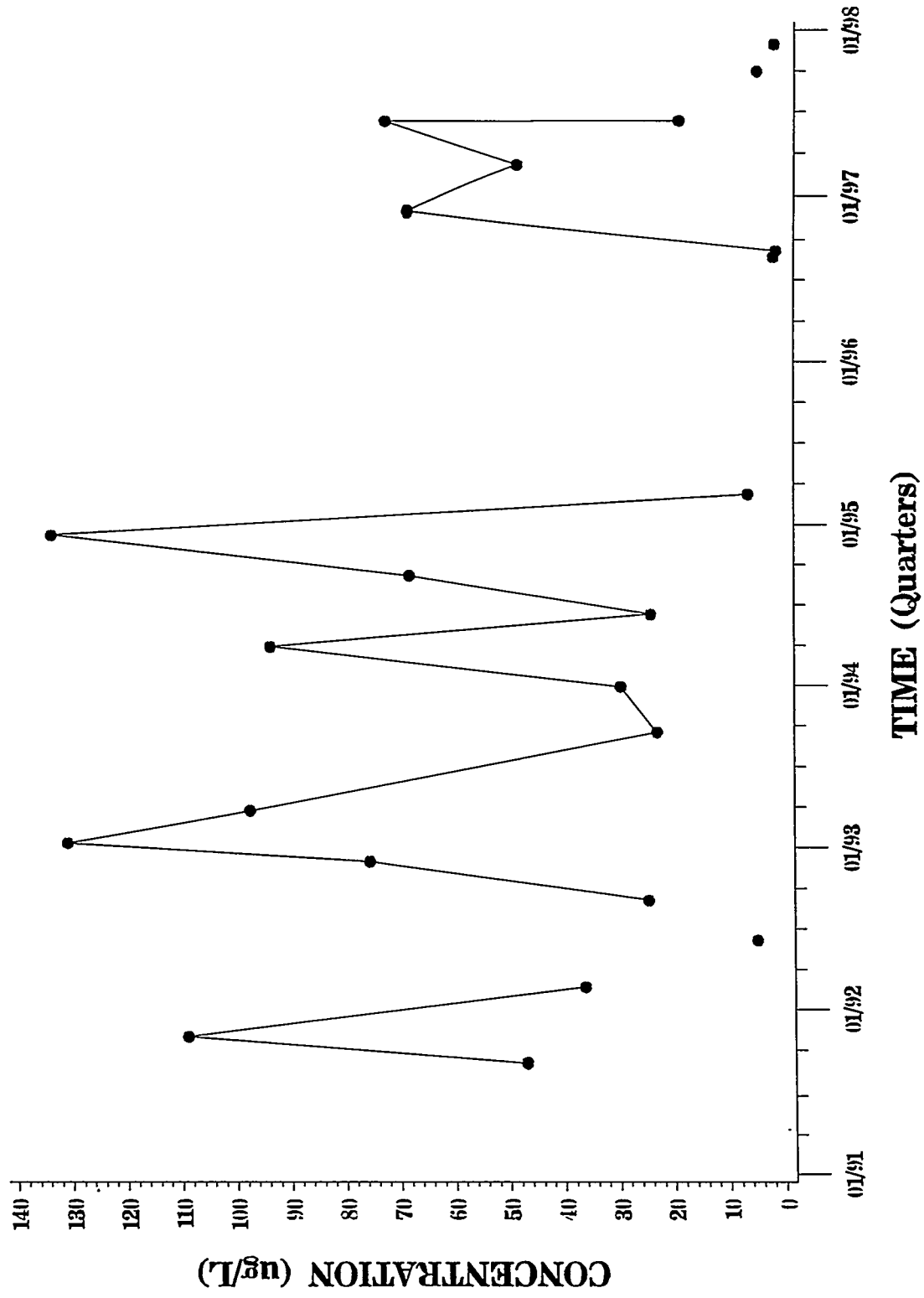
Time Series Plot of Trichlorofluoromethane Concentration
WELL LFW 48D



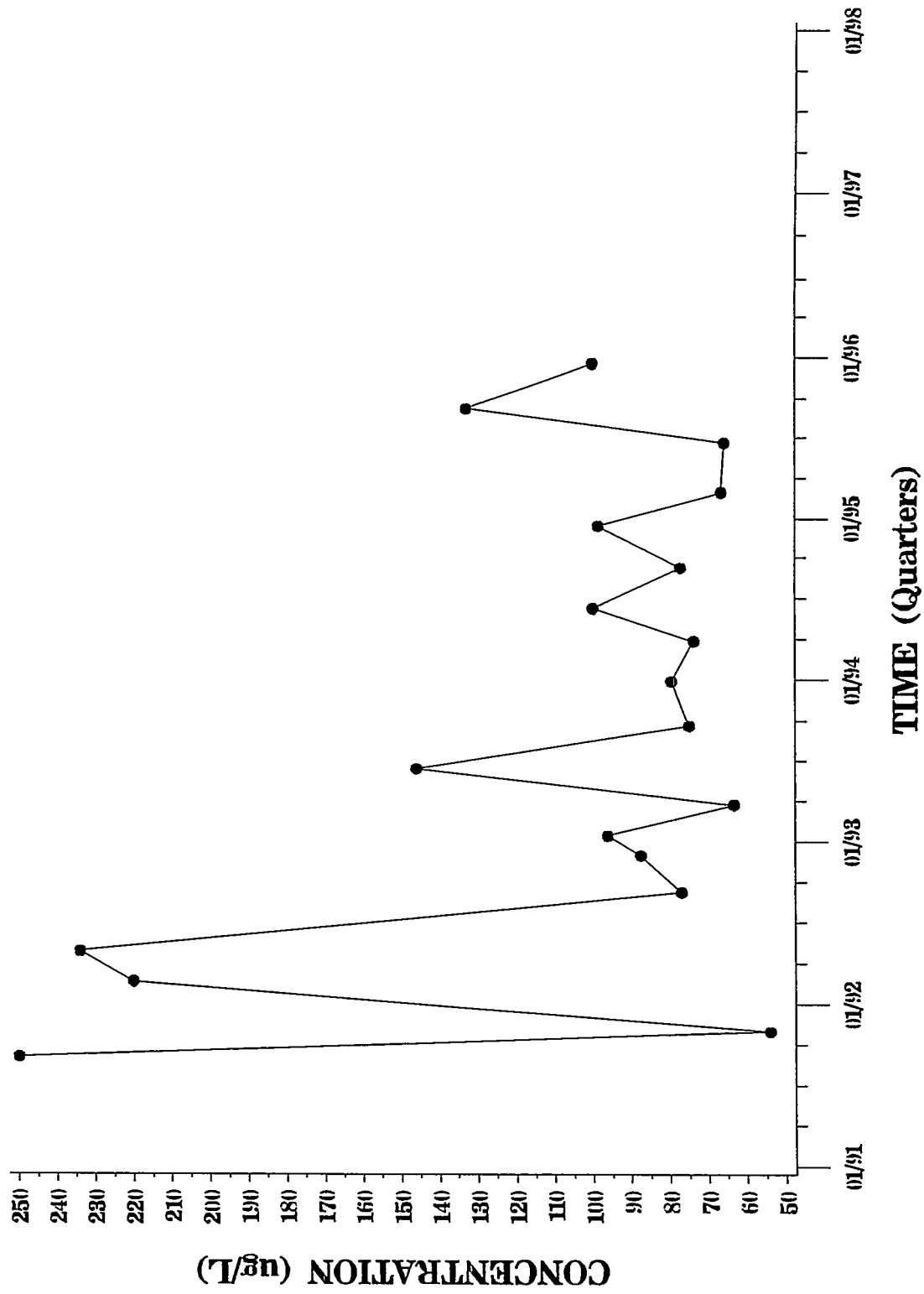
Time Series Plot of Trichlorofluoromethane Concentration
WELL LFW 58D
WSRC -- TR-98 -- 00006
Unclassified



Time Series Plot of Trichlorofluoromethane Concentration
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WSRC-TR-98-00006
Unclassified

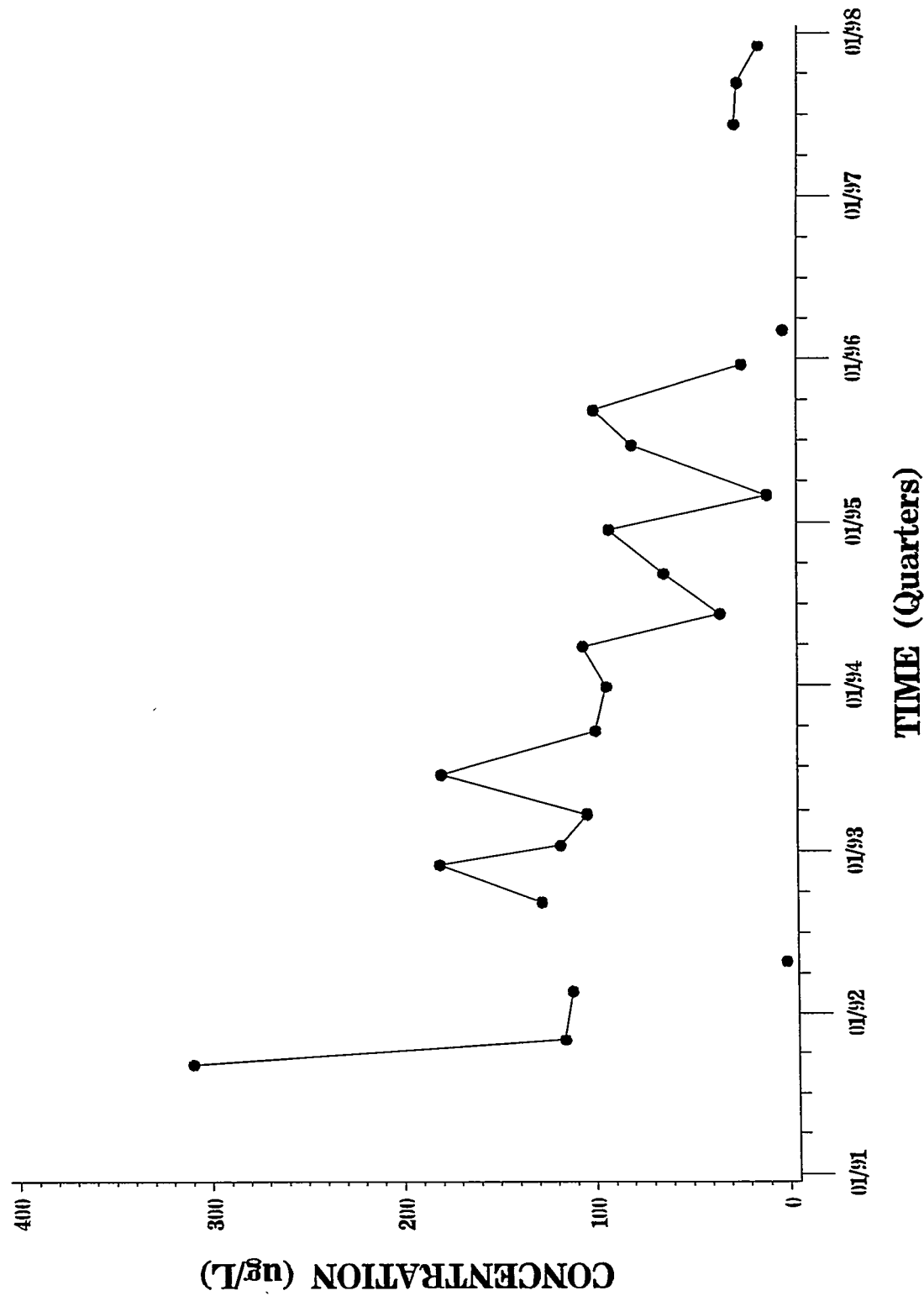


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WSRC—TR—98—00006
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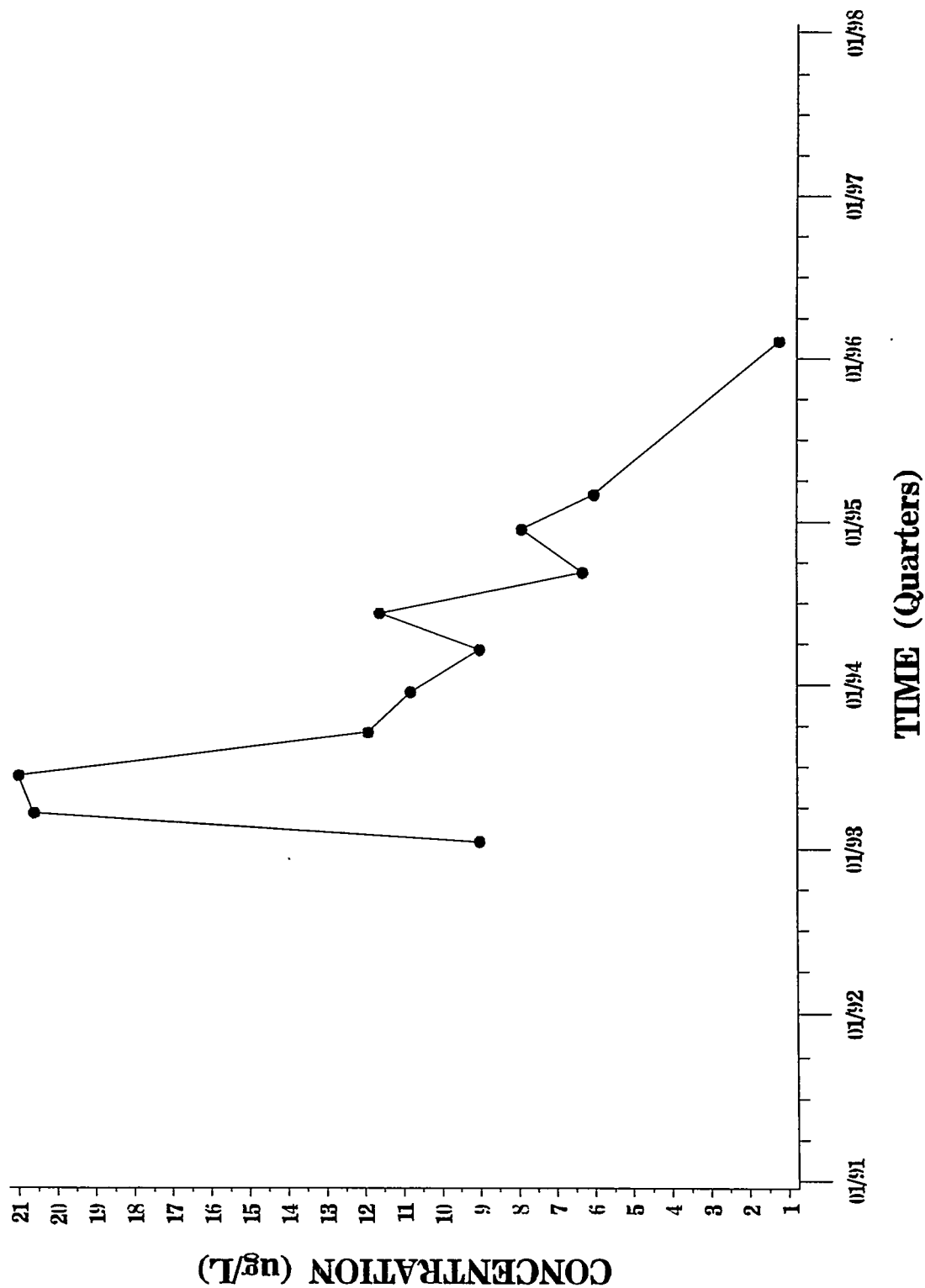
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WELL LFW 61D



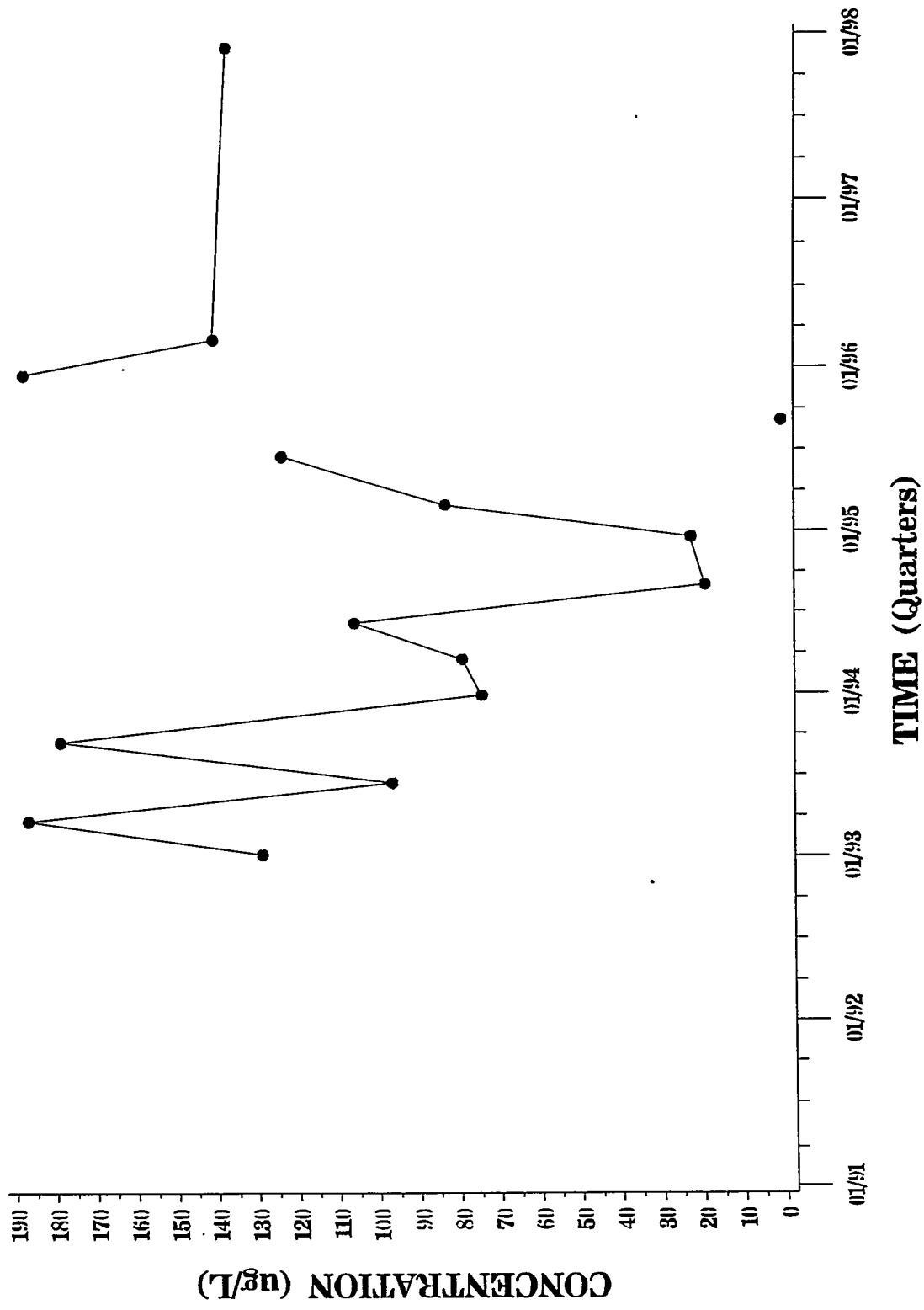
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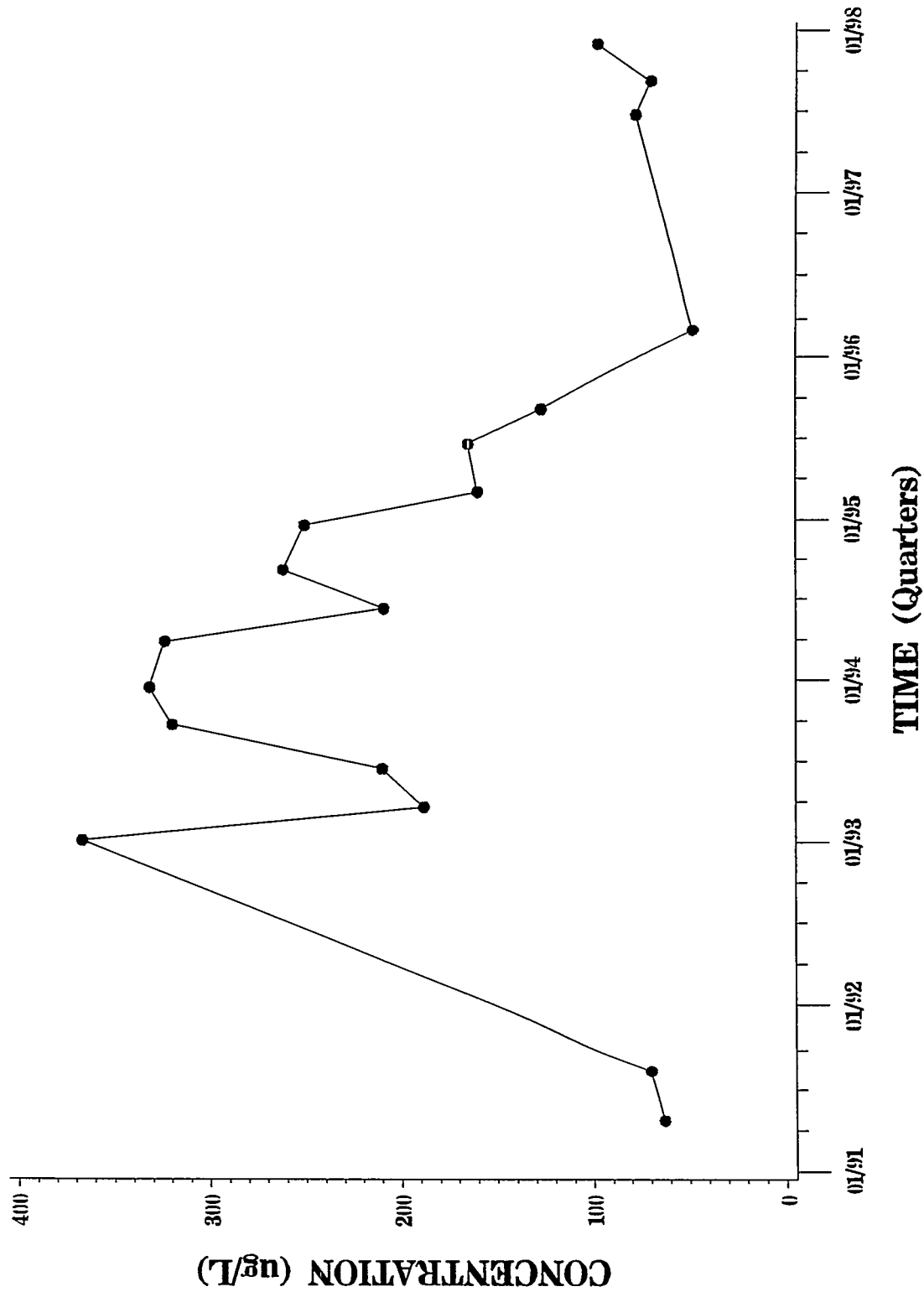
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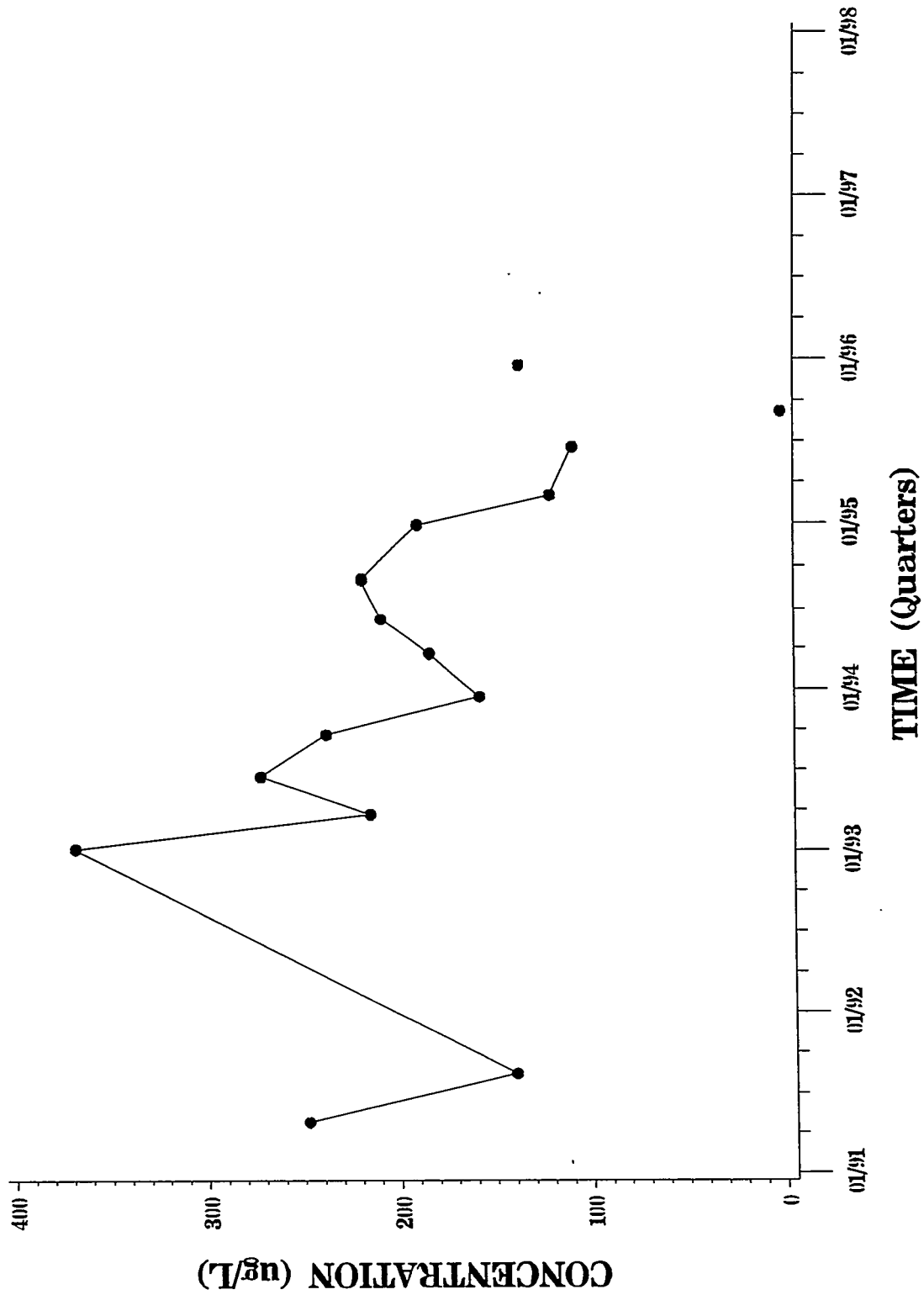


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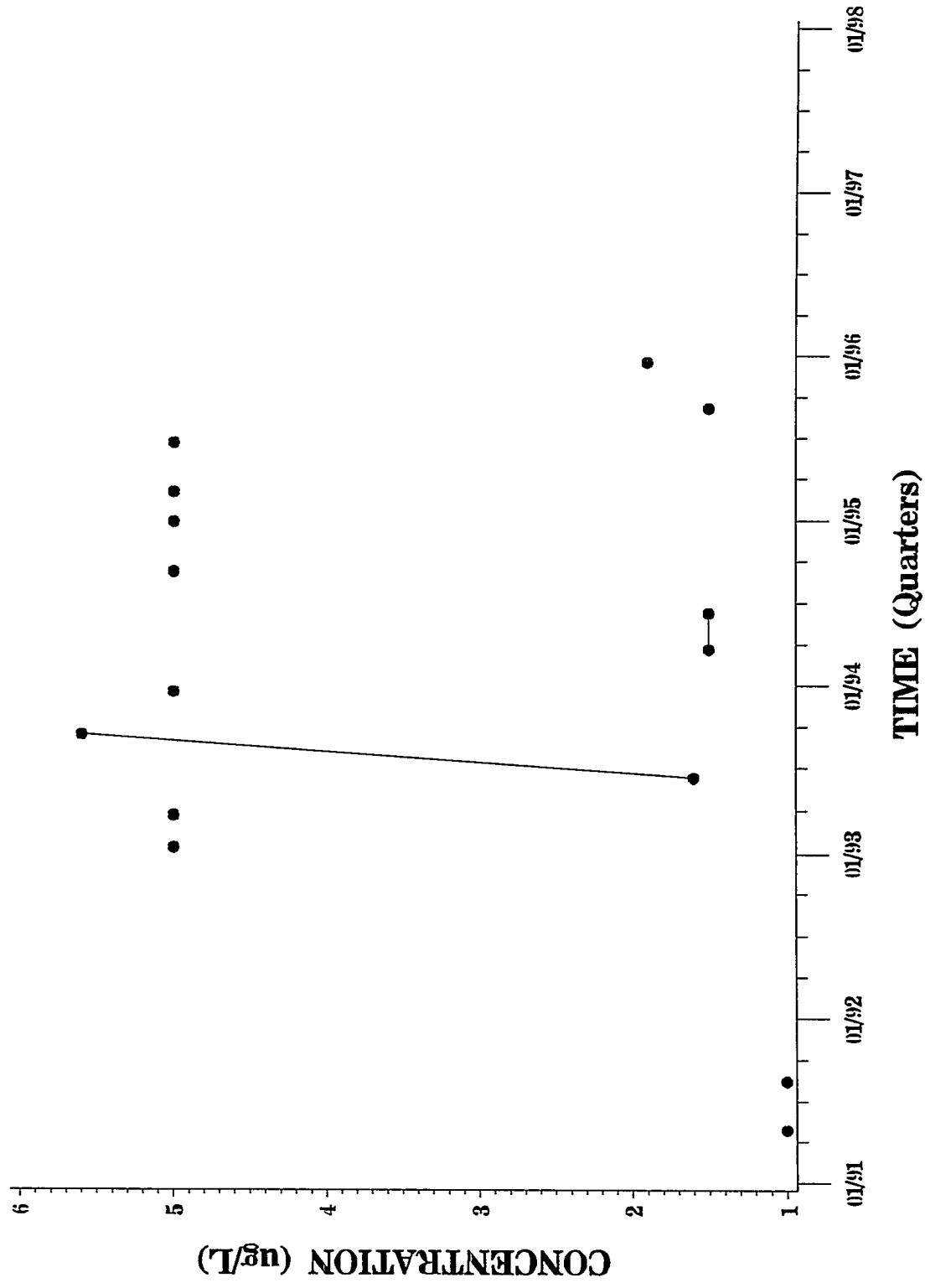
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WELL LFW 21



Time Series Plot of Xylenes Concentration
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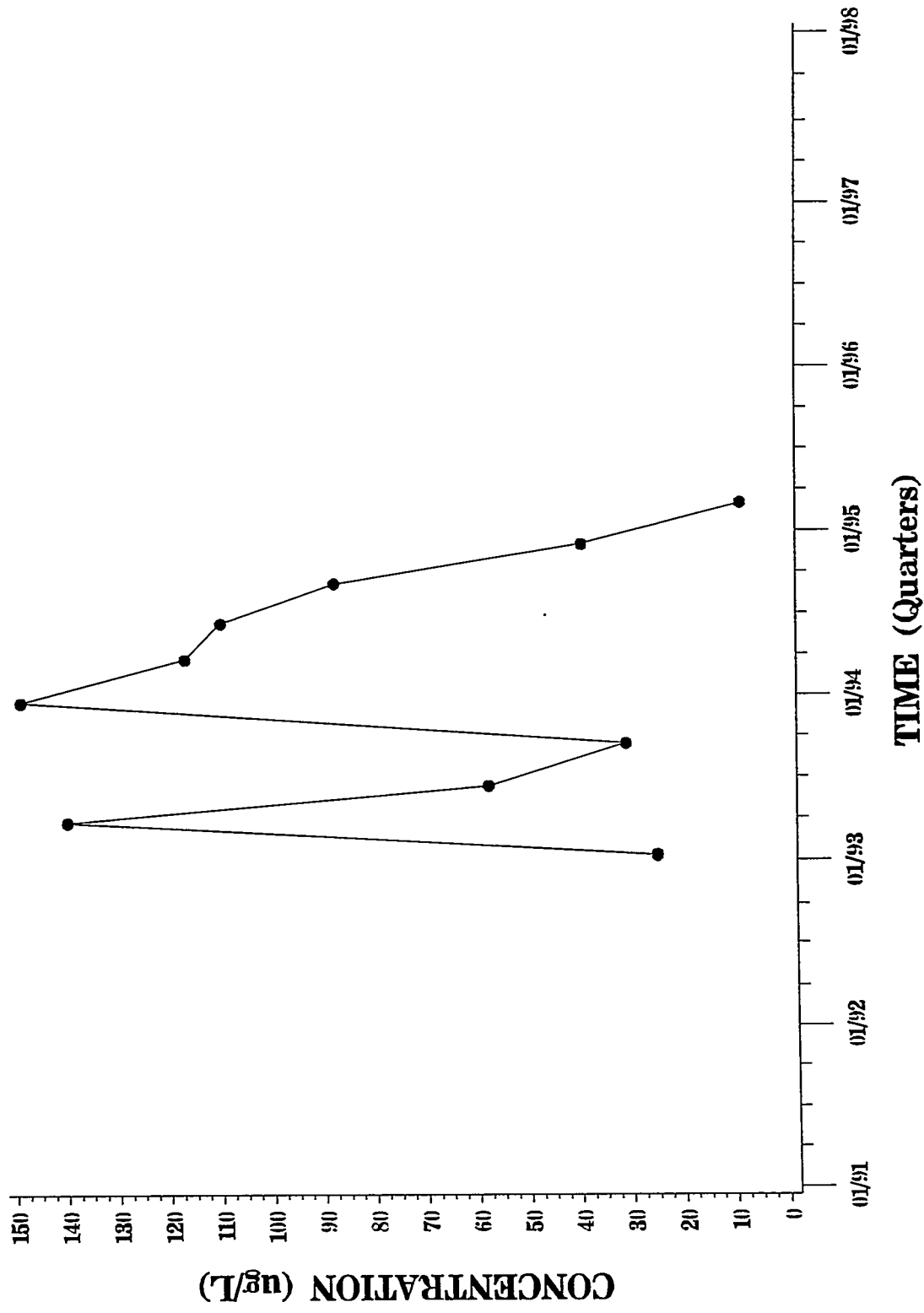


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WELL LFW 36
WSRC - TR - 98 - 00006
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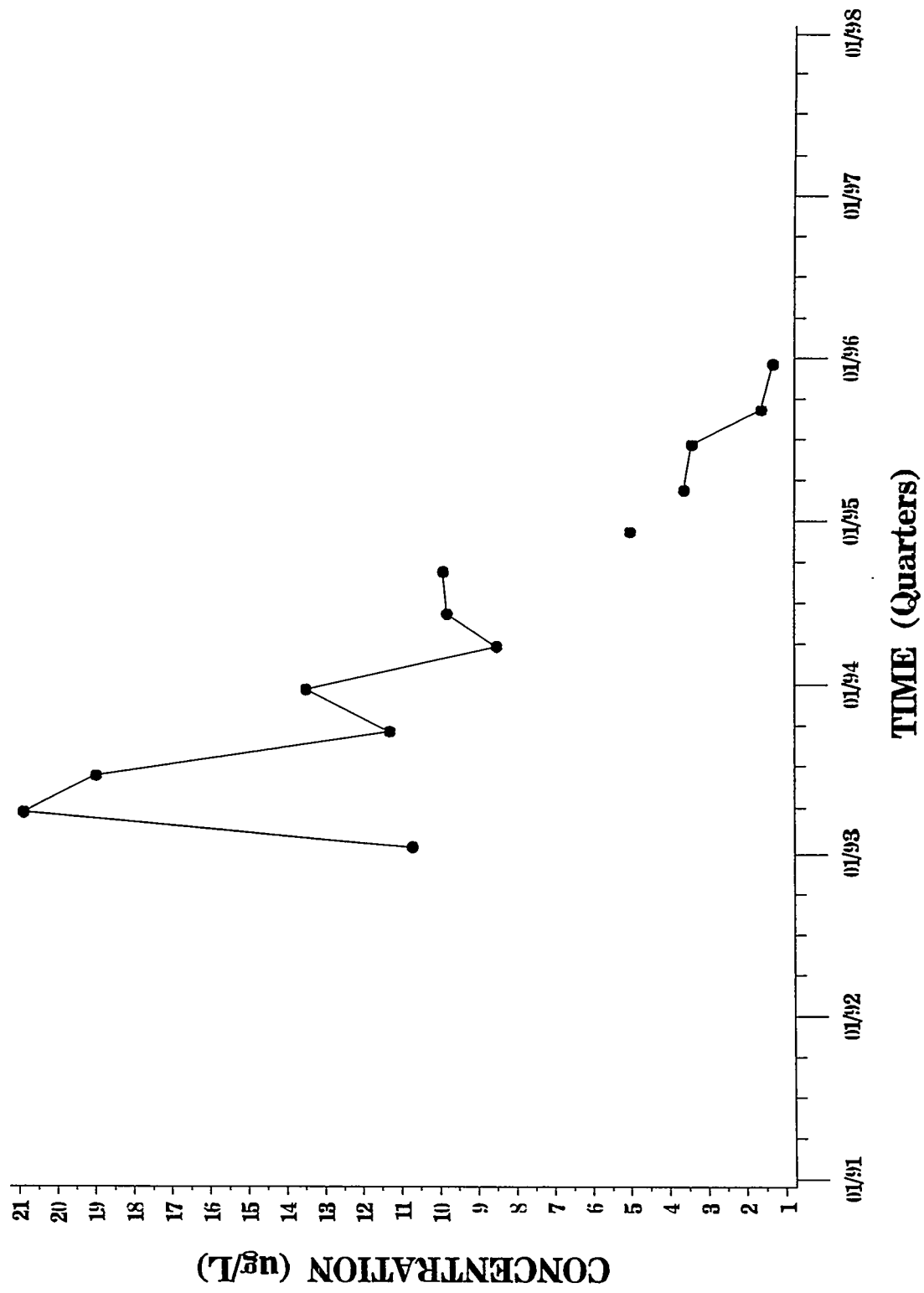
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Time Series Plot of Xylenes Concentration
WELL LFW 39

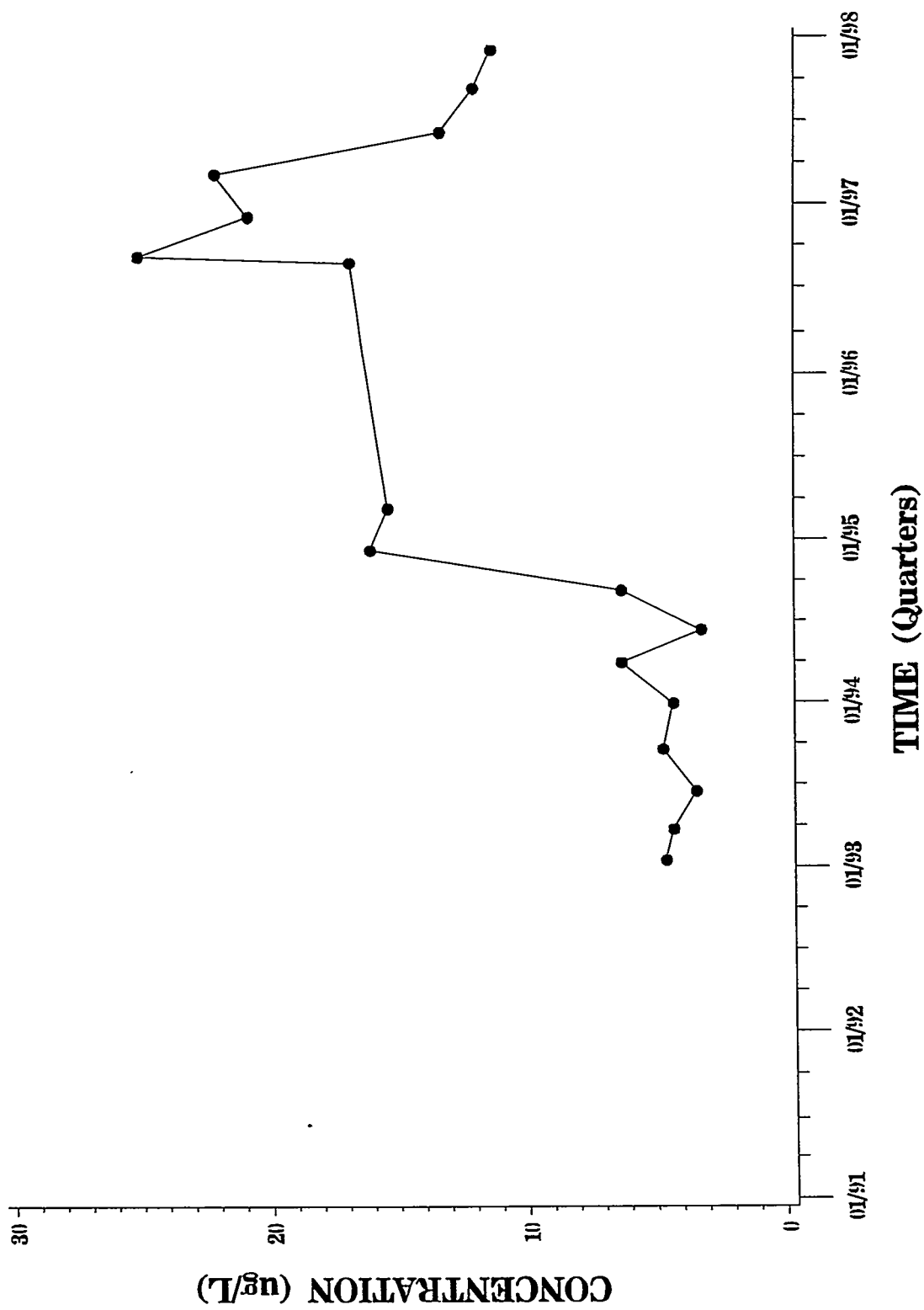


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Time Series Plot of Xylenes Concentration
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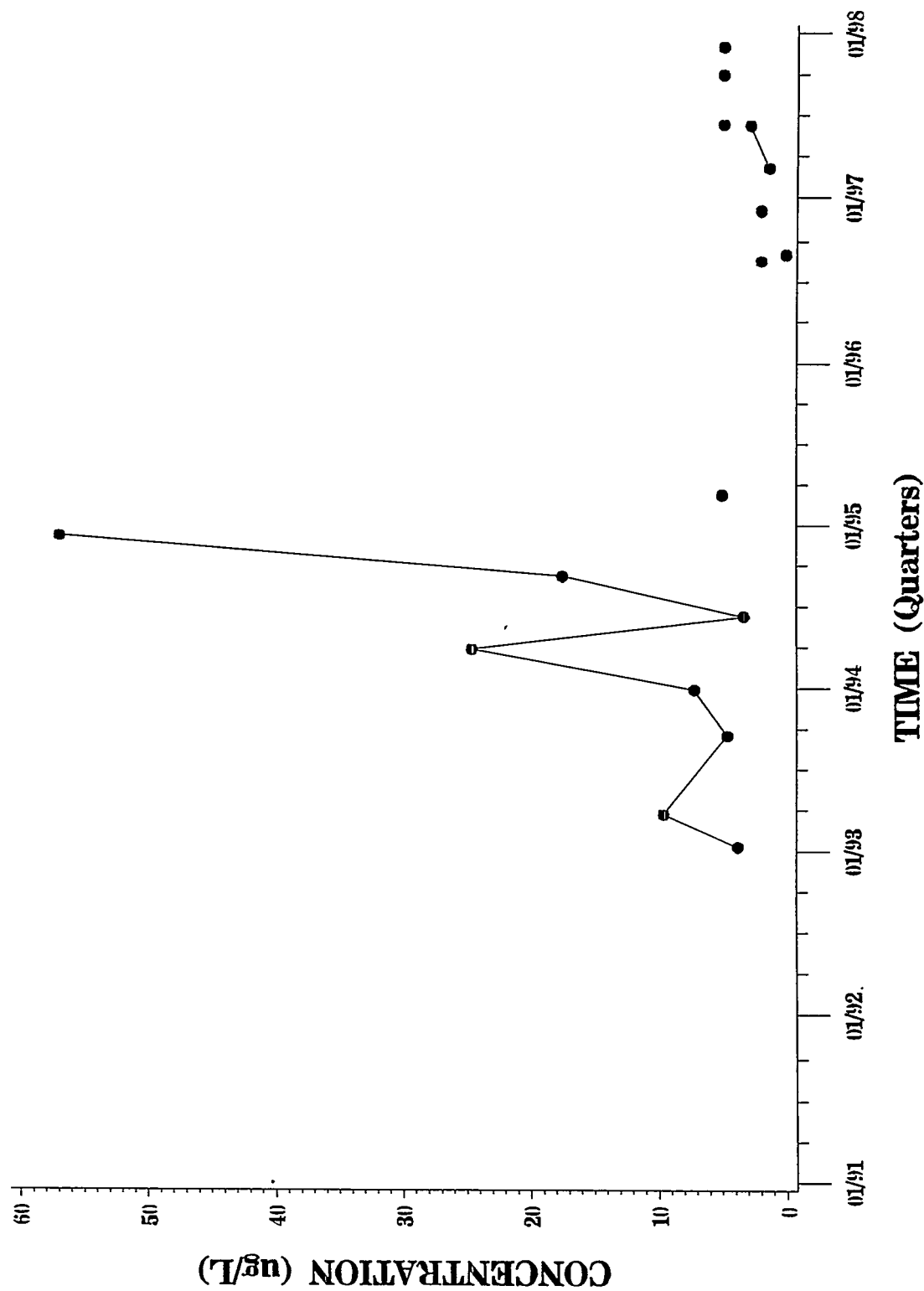


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WELL LFW 58D
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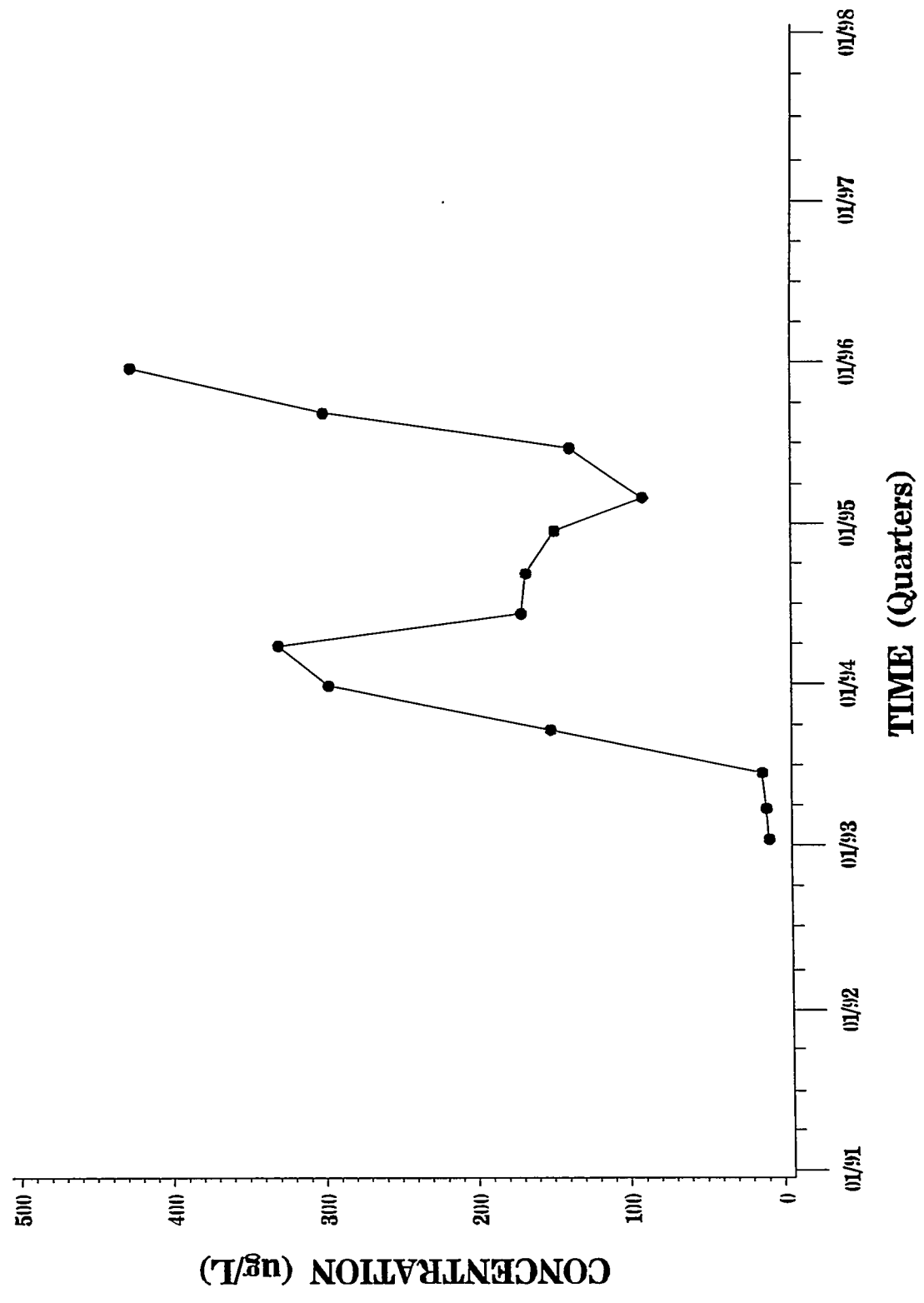
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Time Series Plot of Xylenes Concentration
WELL LFW 59D

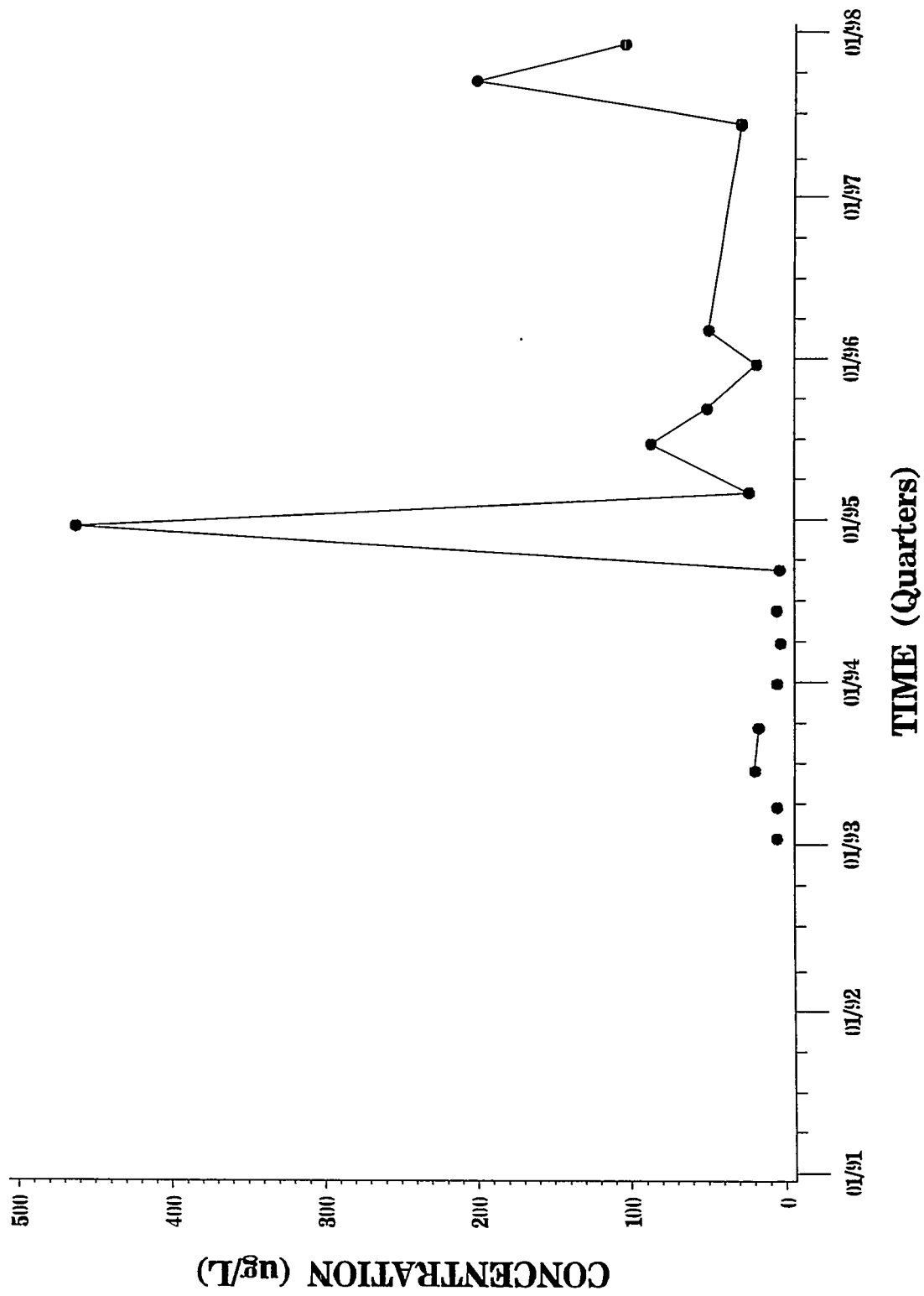


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Time Series Plot of Xylenes Concentration
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Time Series Plot of Xylenes Concentration
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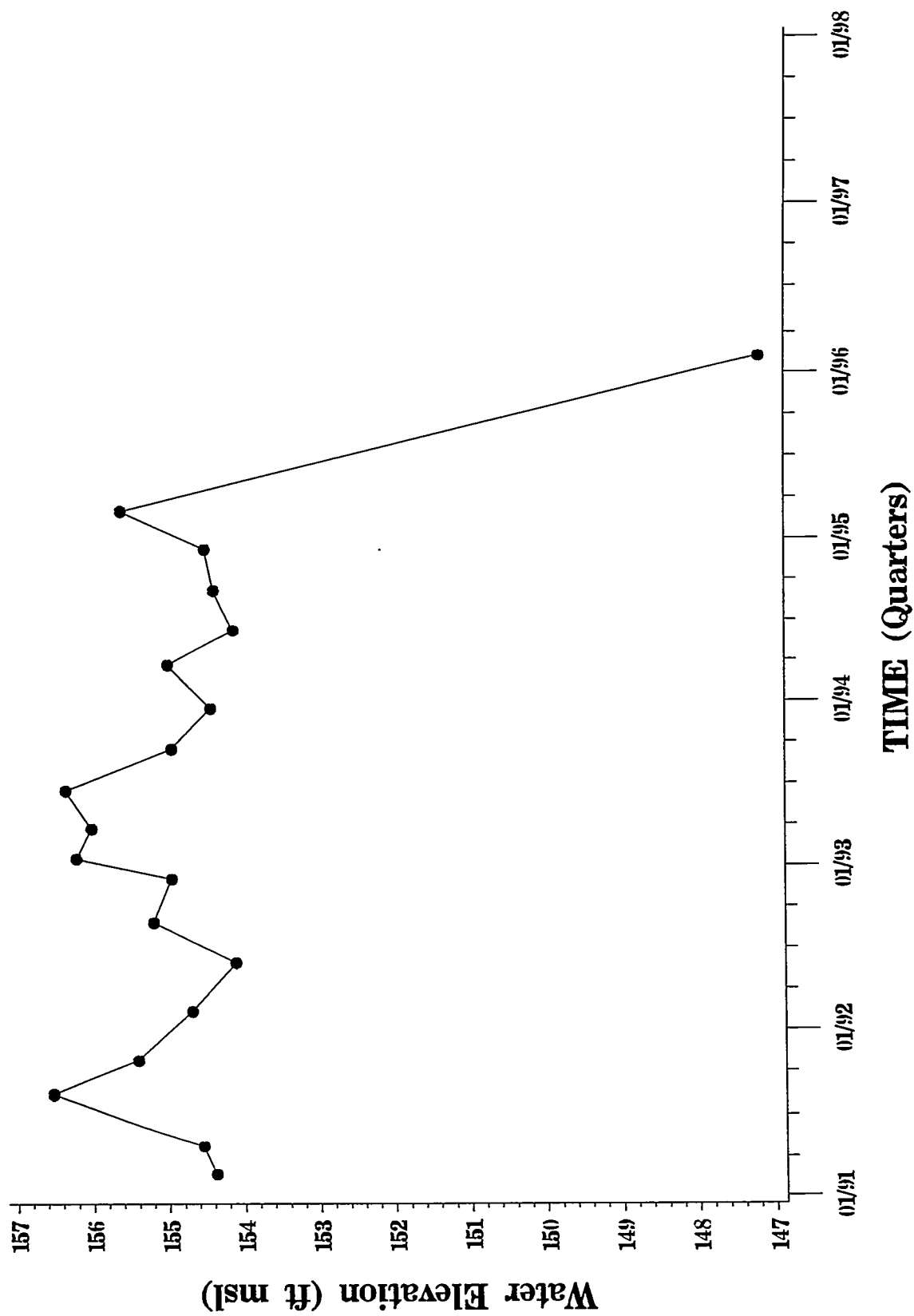
Appendix G

Hydrographs

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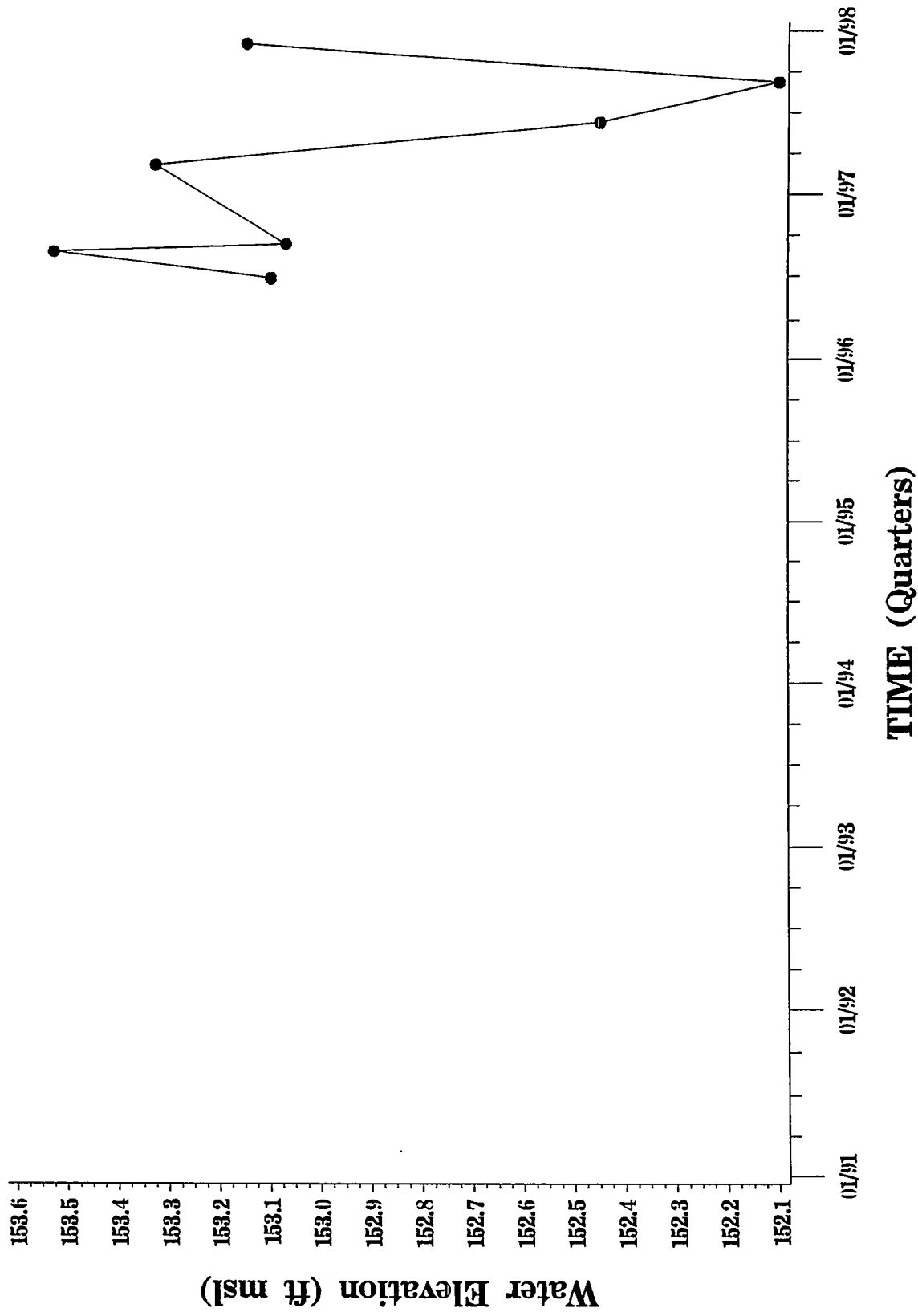
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WELL LFW 6

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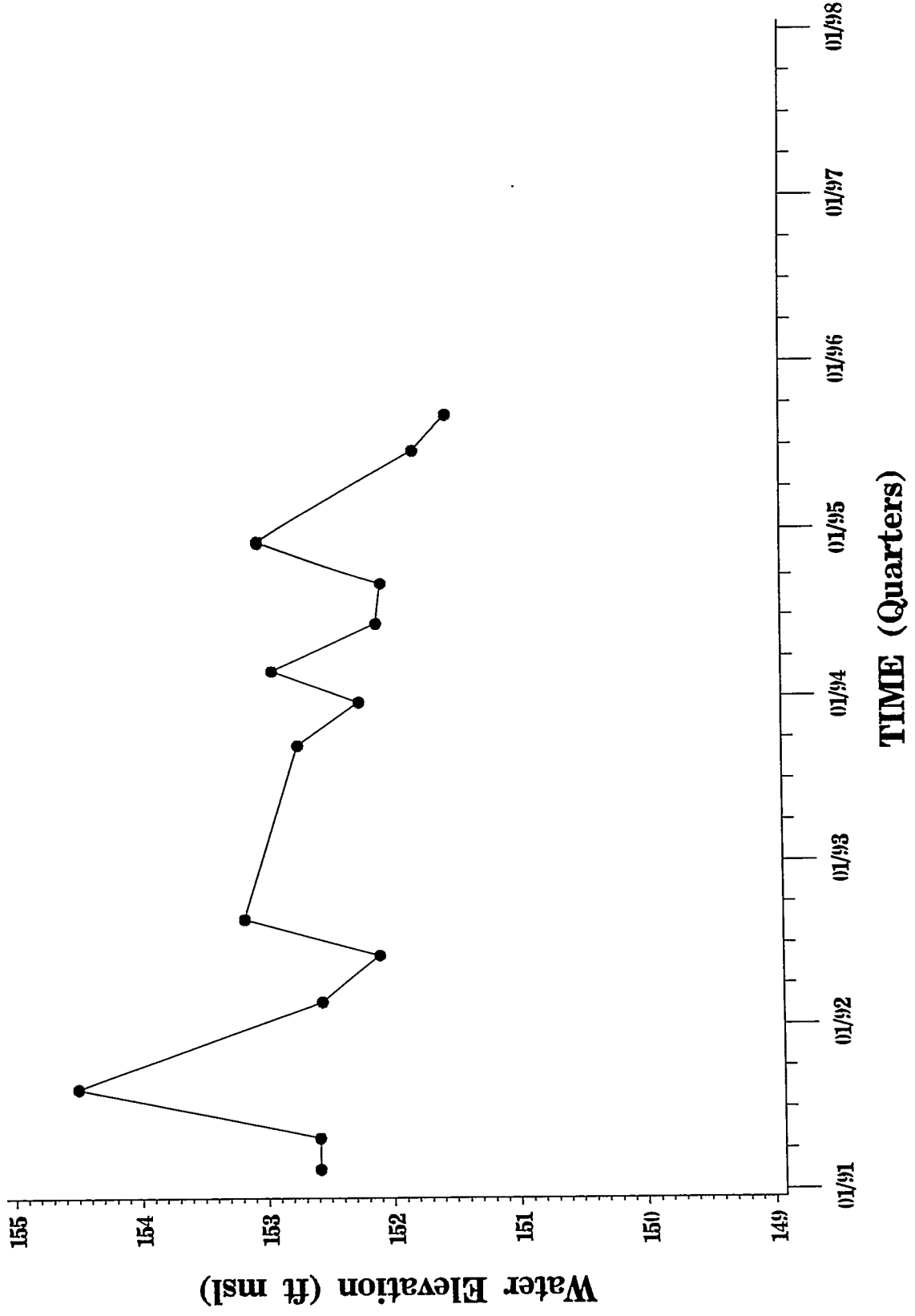
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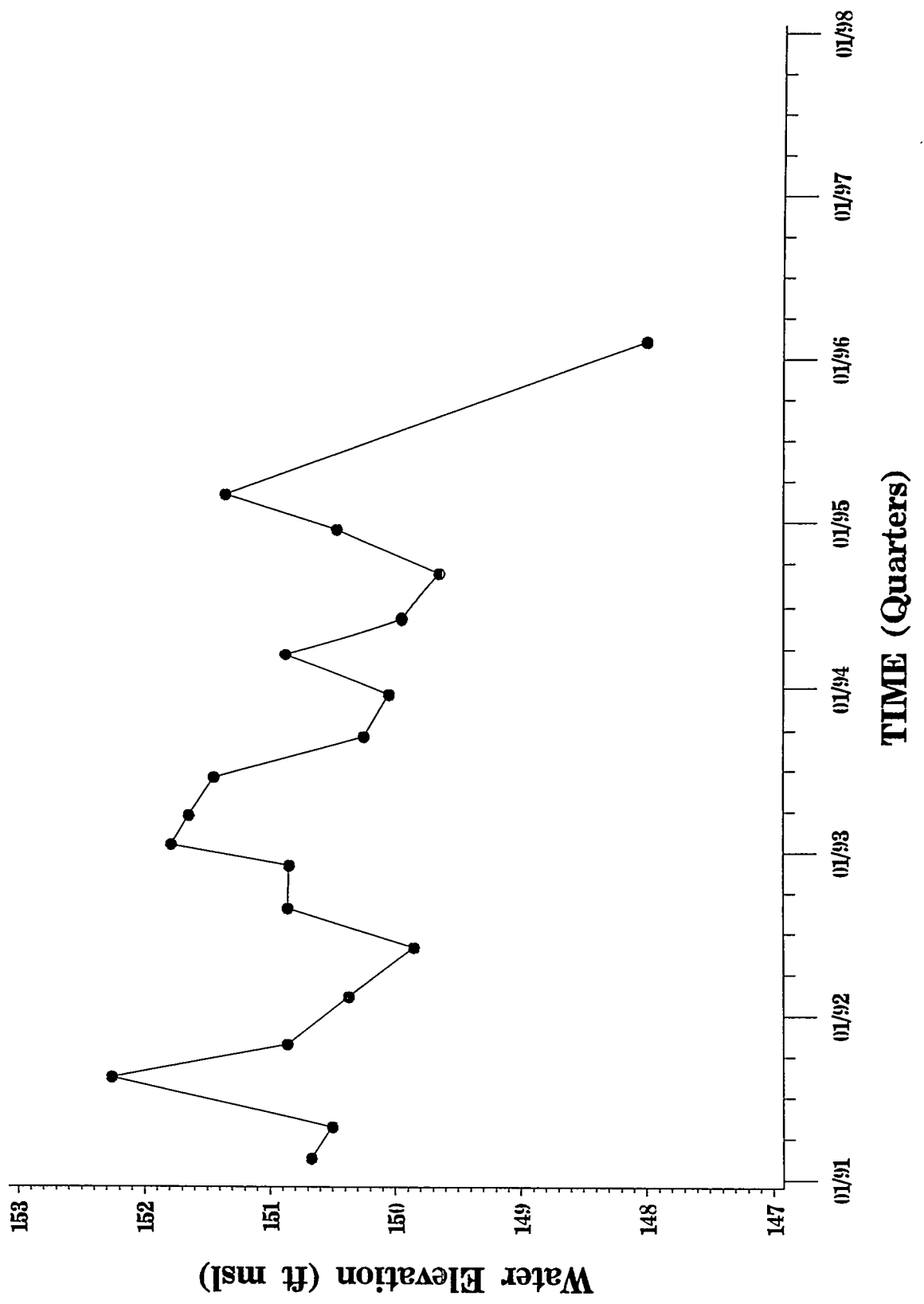
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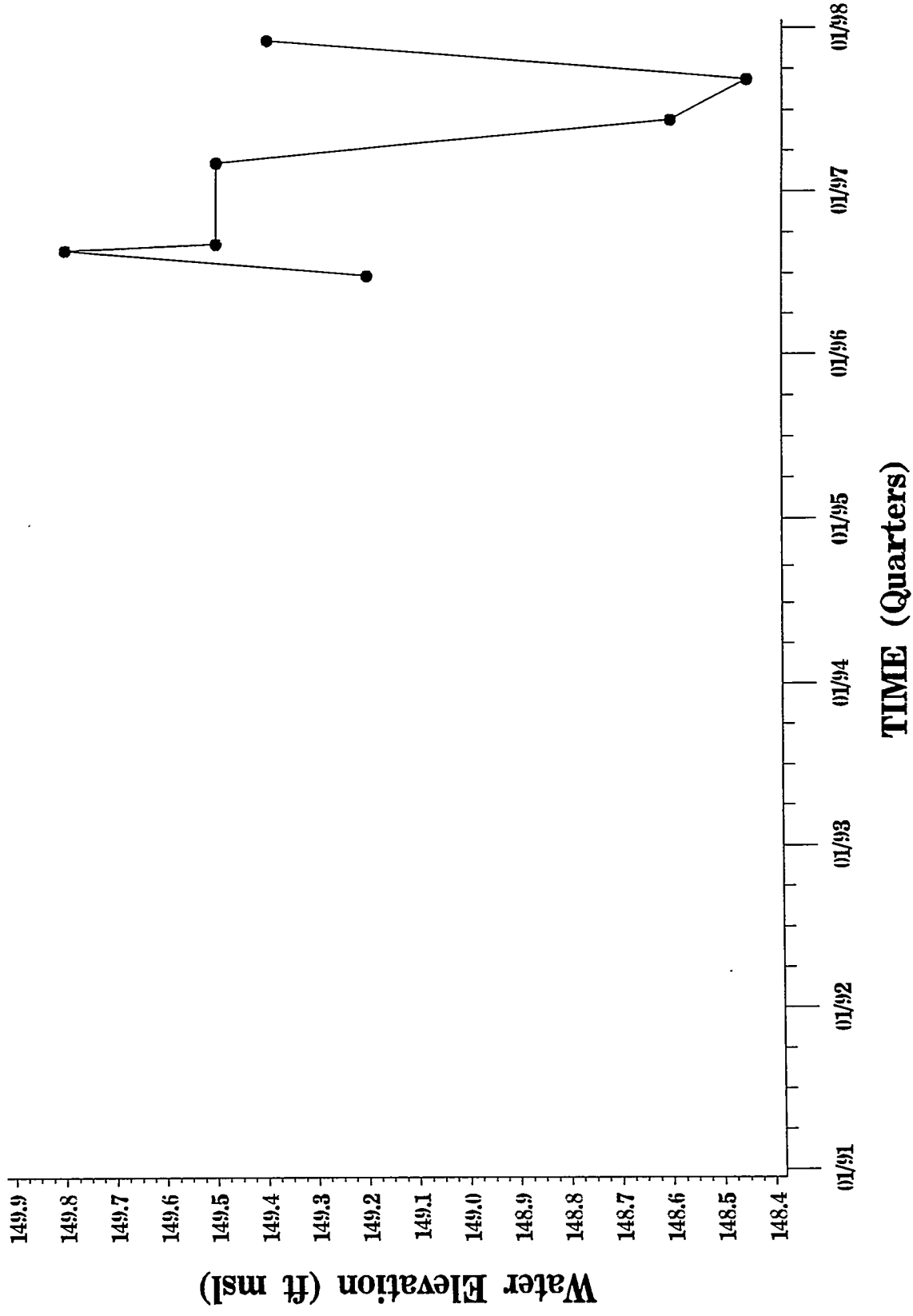
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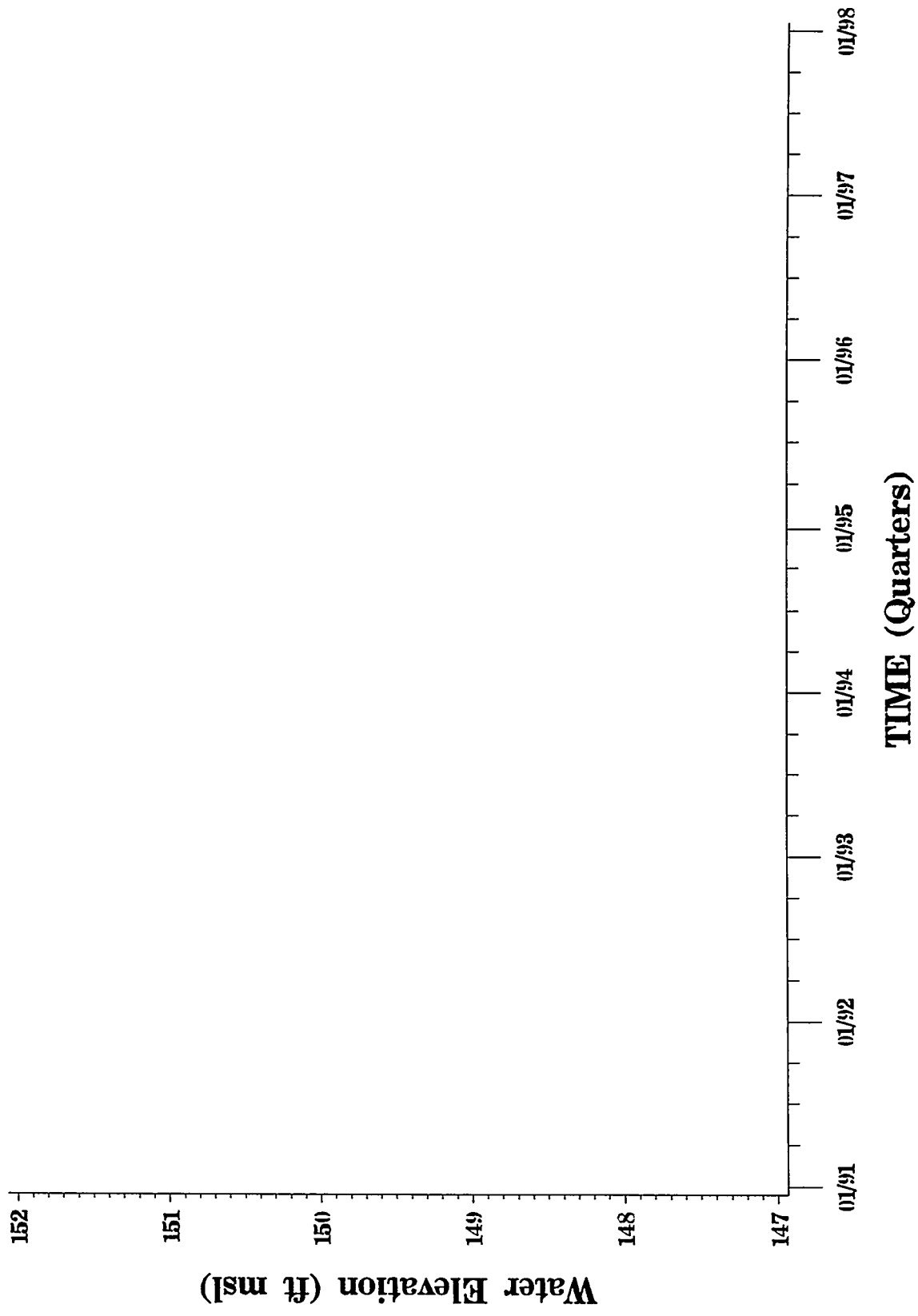
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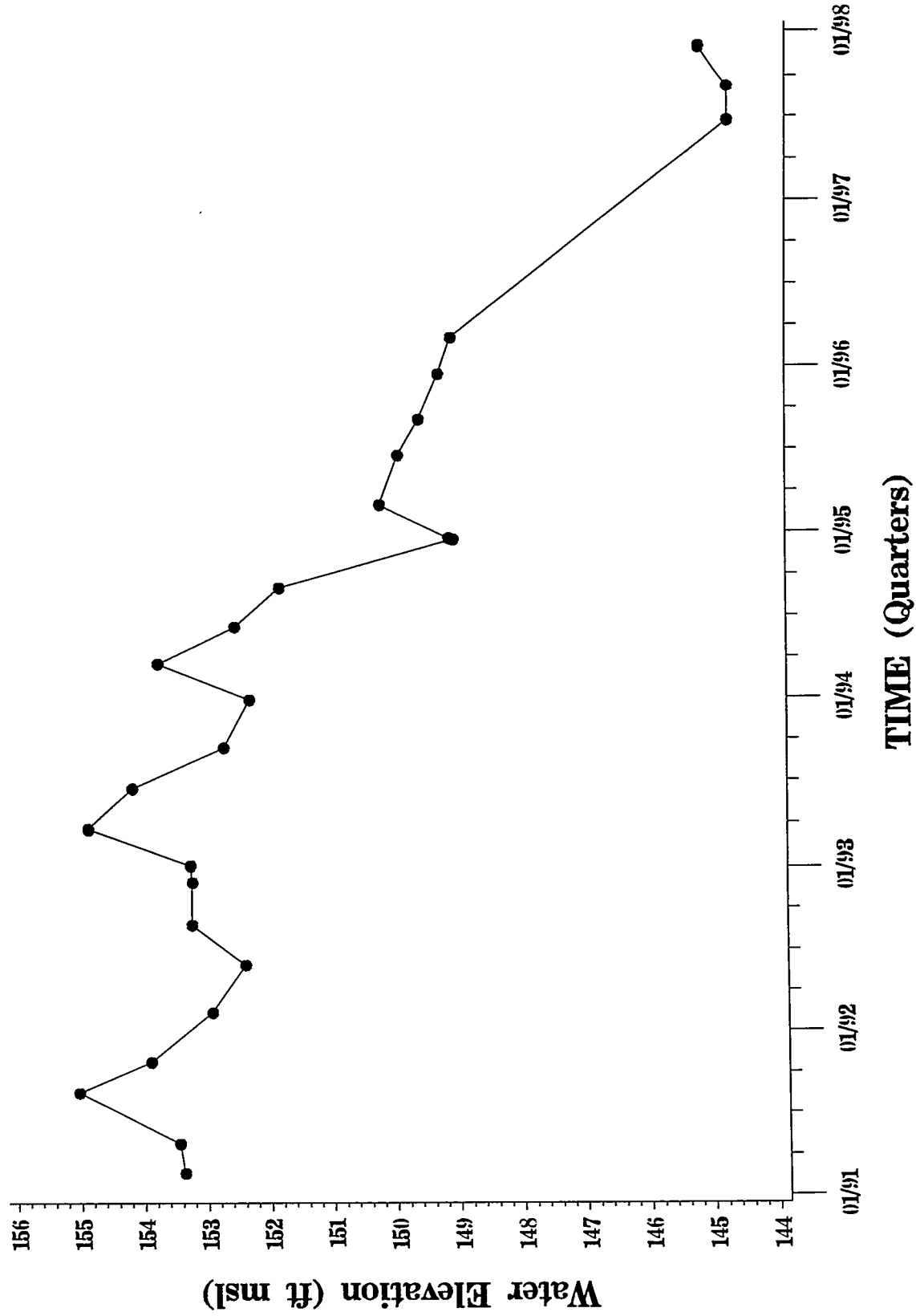
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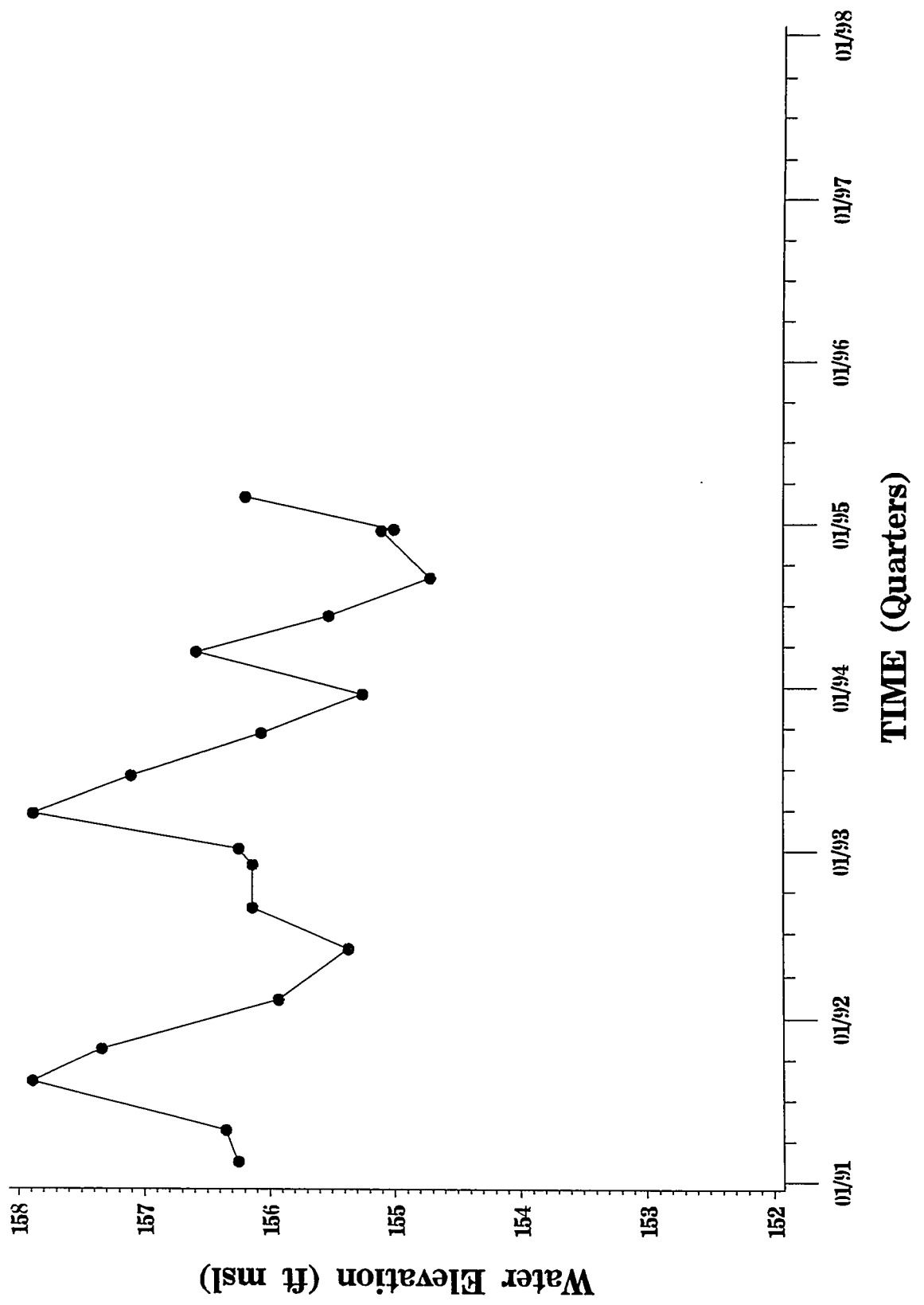
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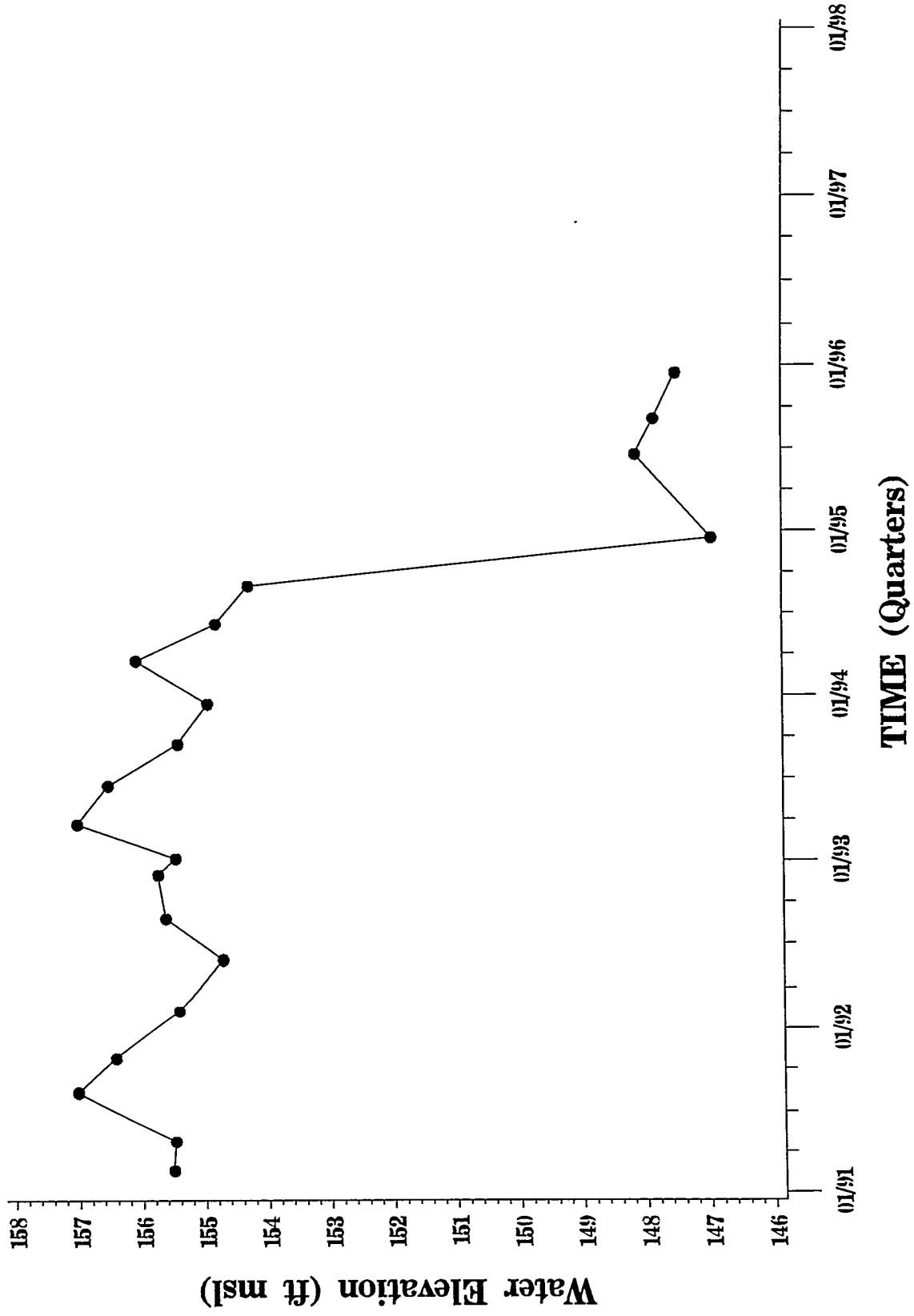
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WELL LFW 16



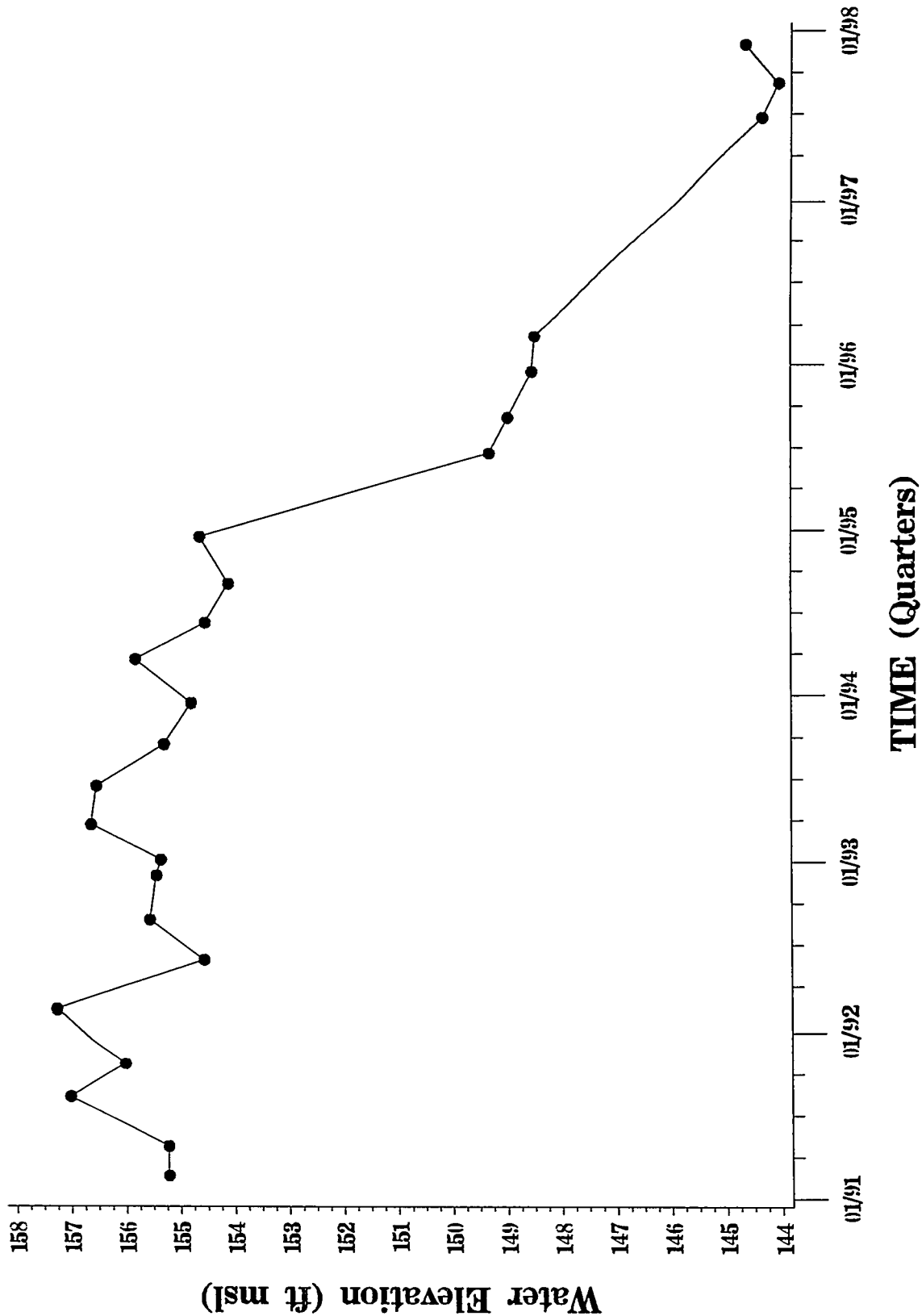
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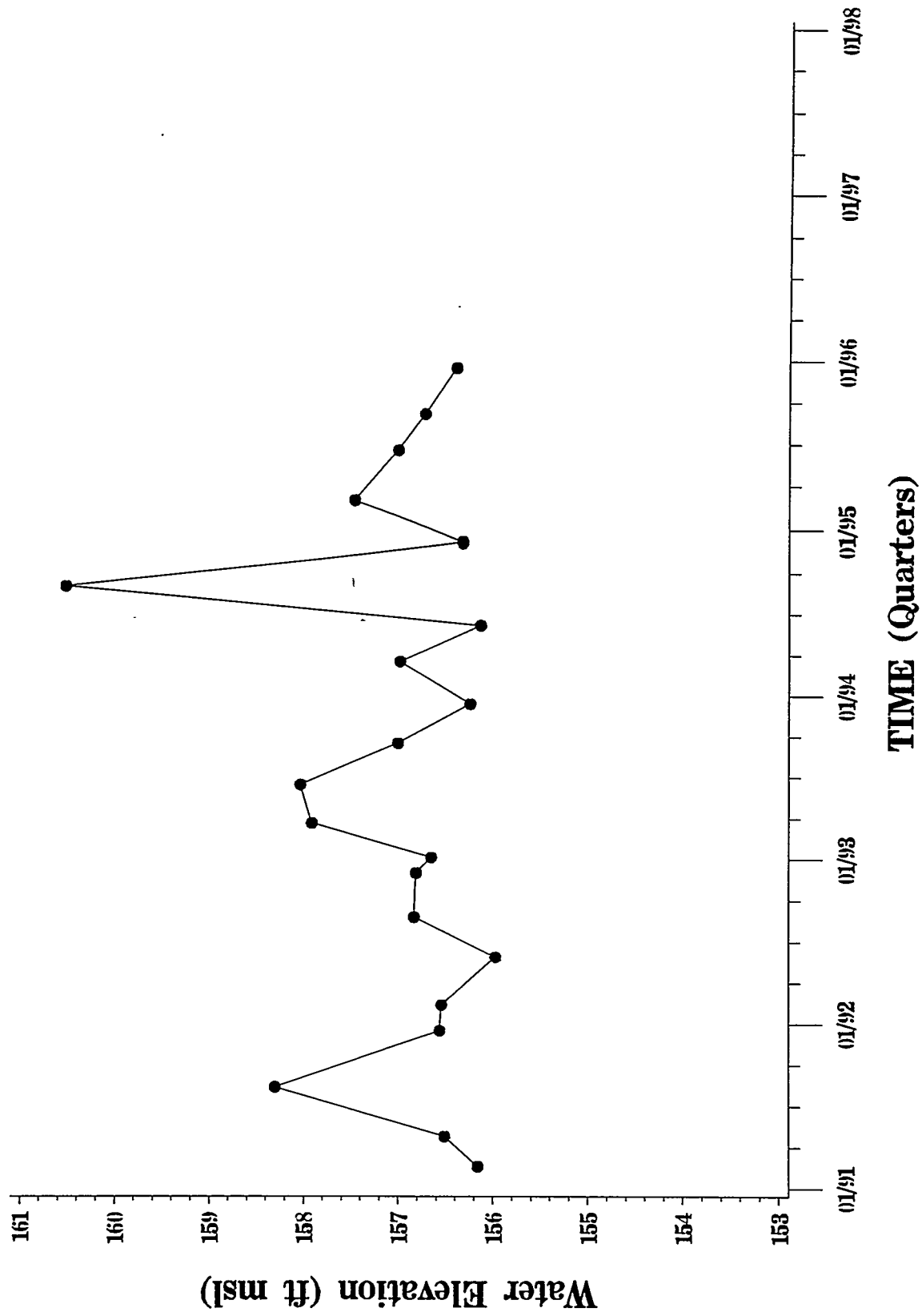
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WELL LFW 18



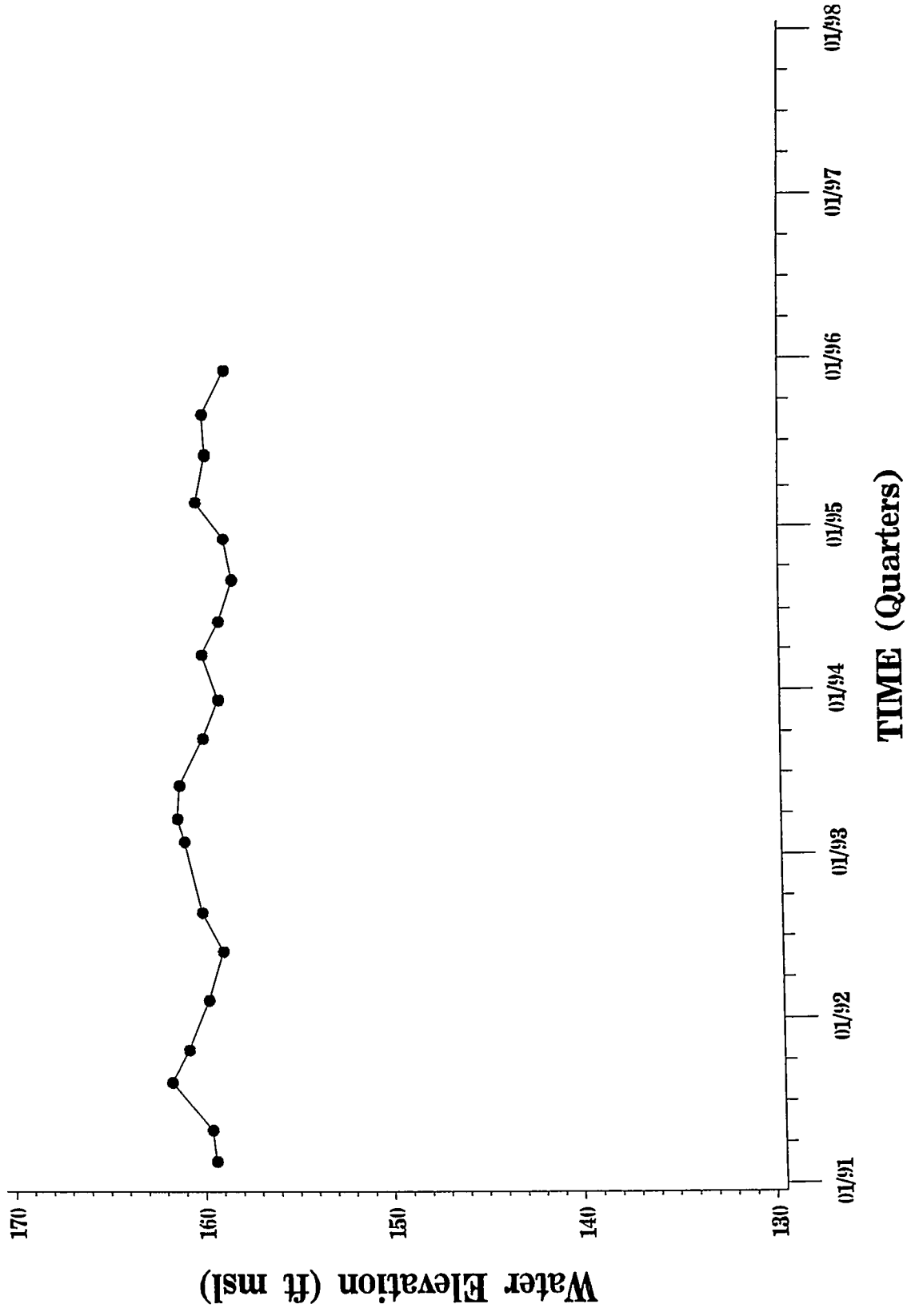
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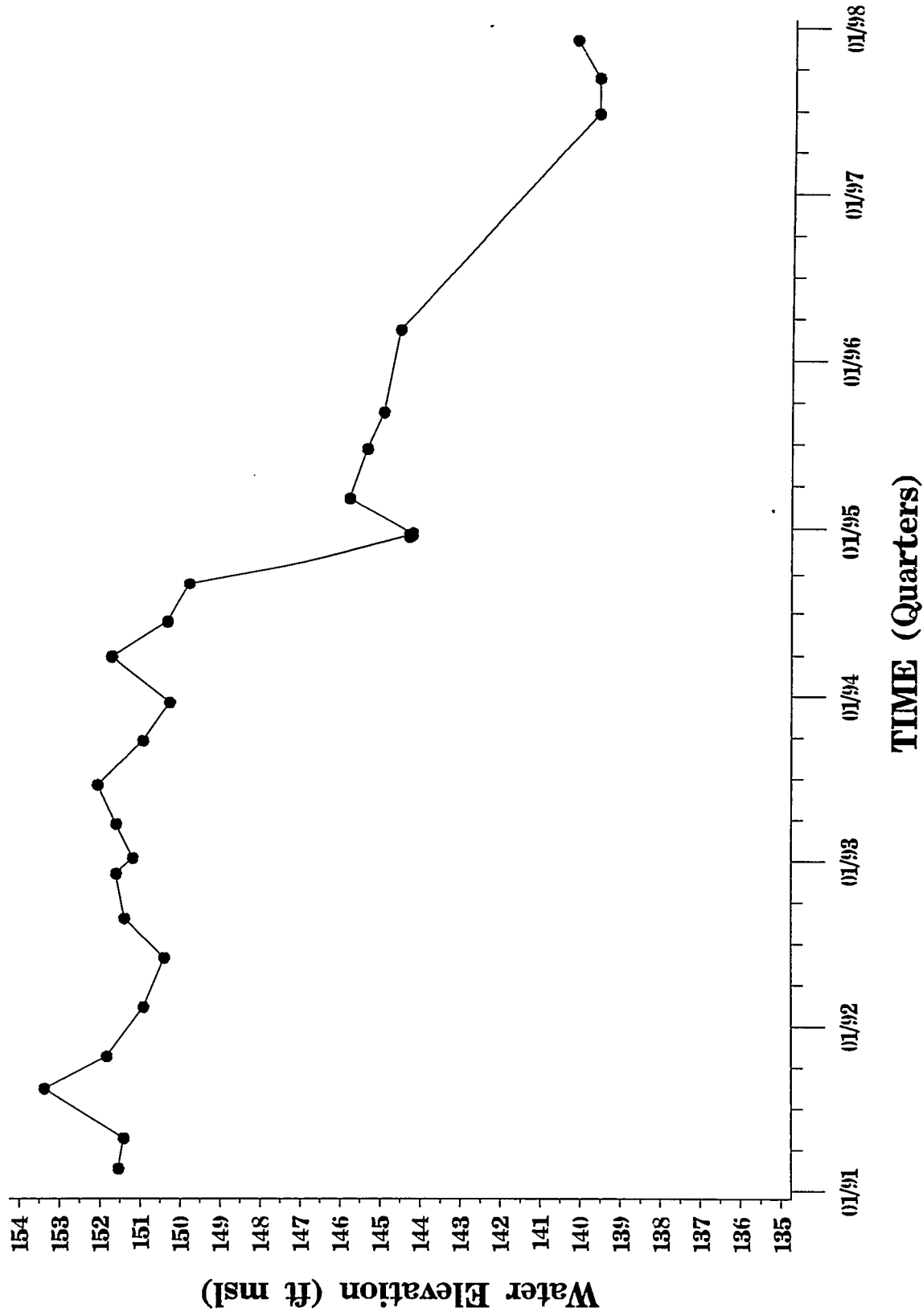
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WELL LFW 20



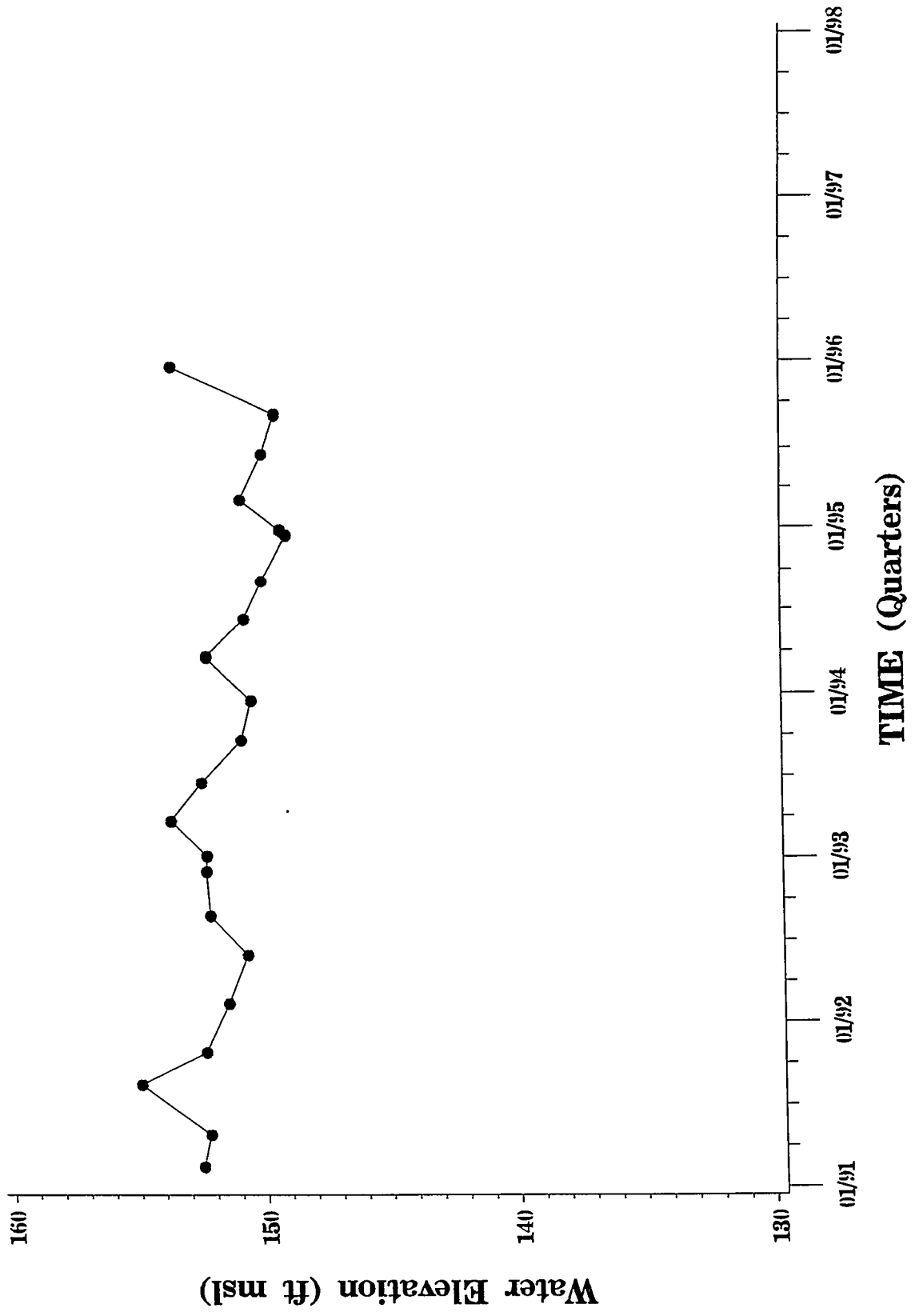
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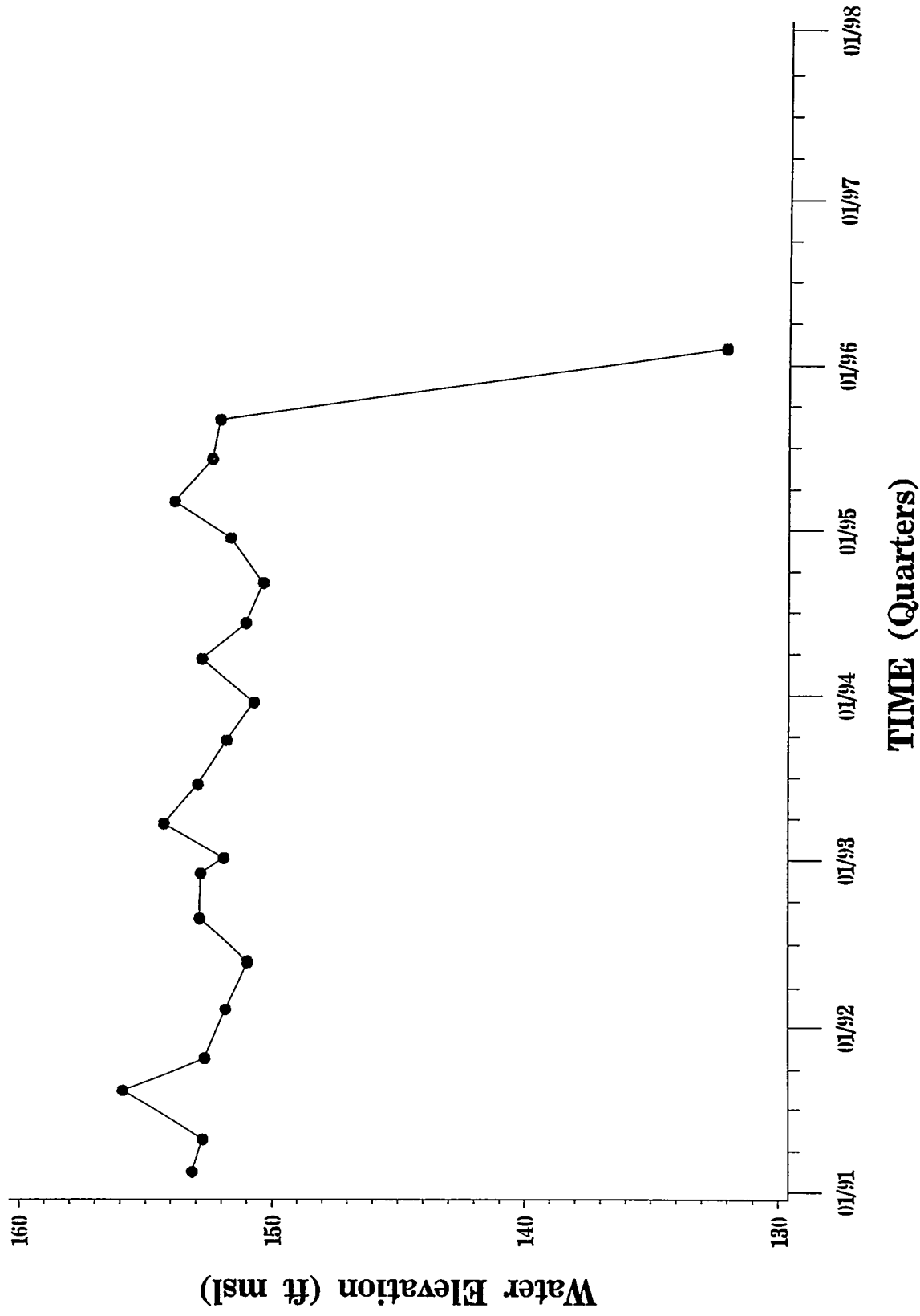
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WELL LFW 22



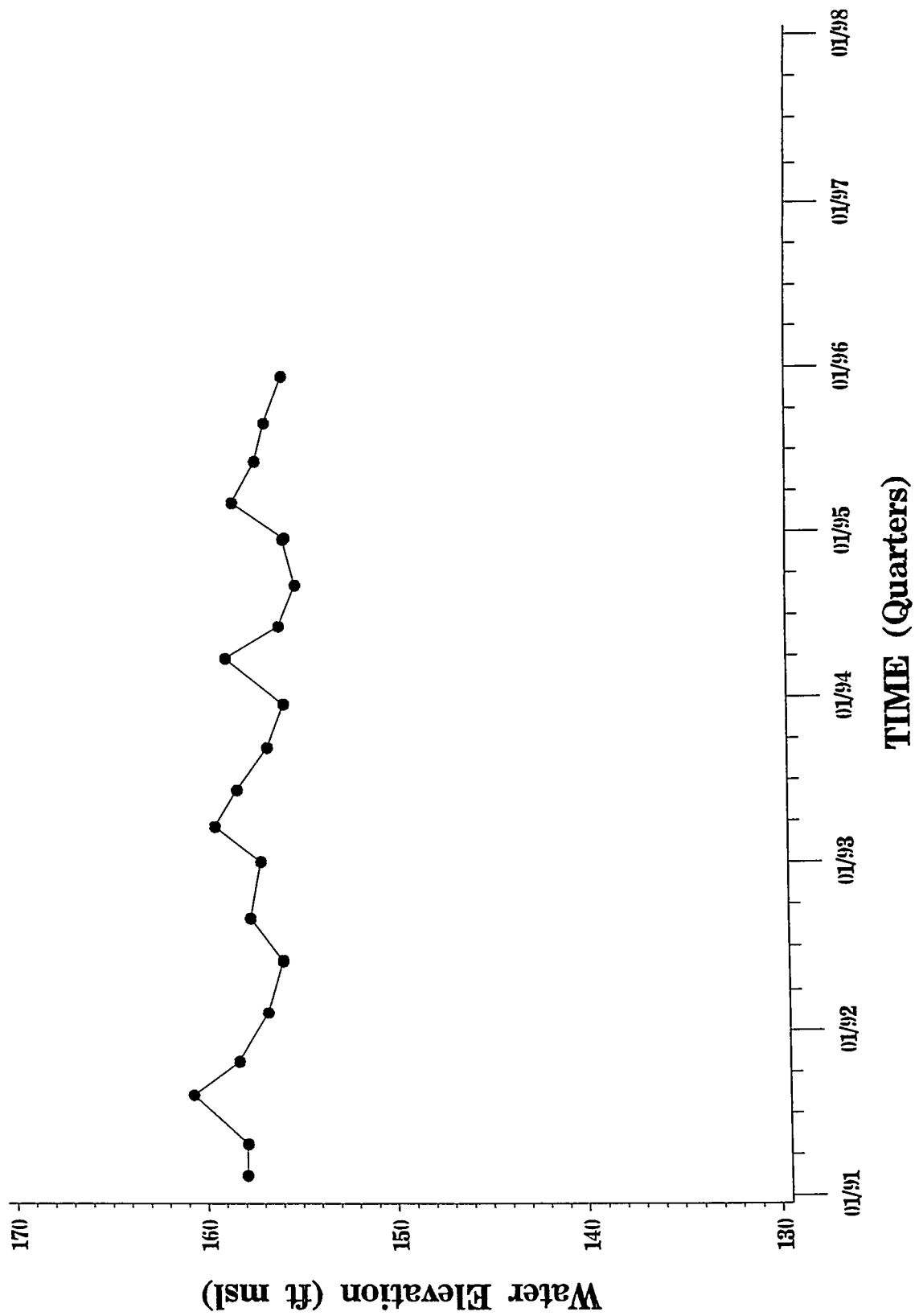
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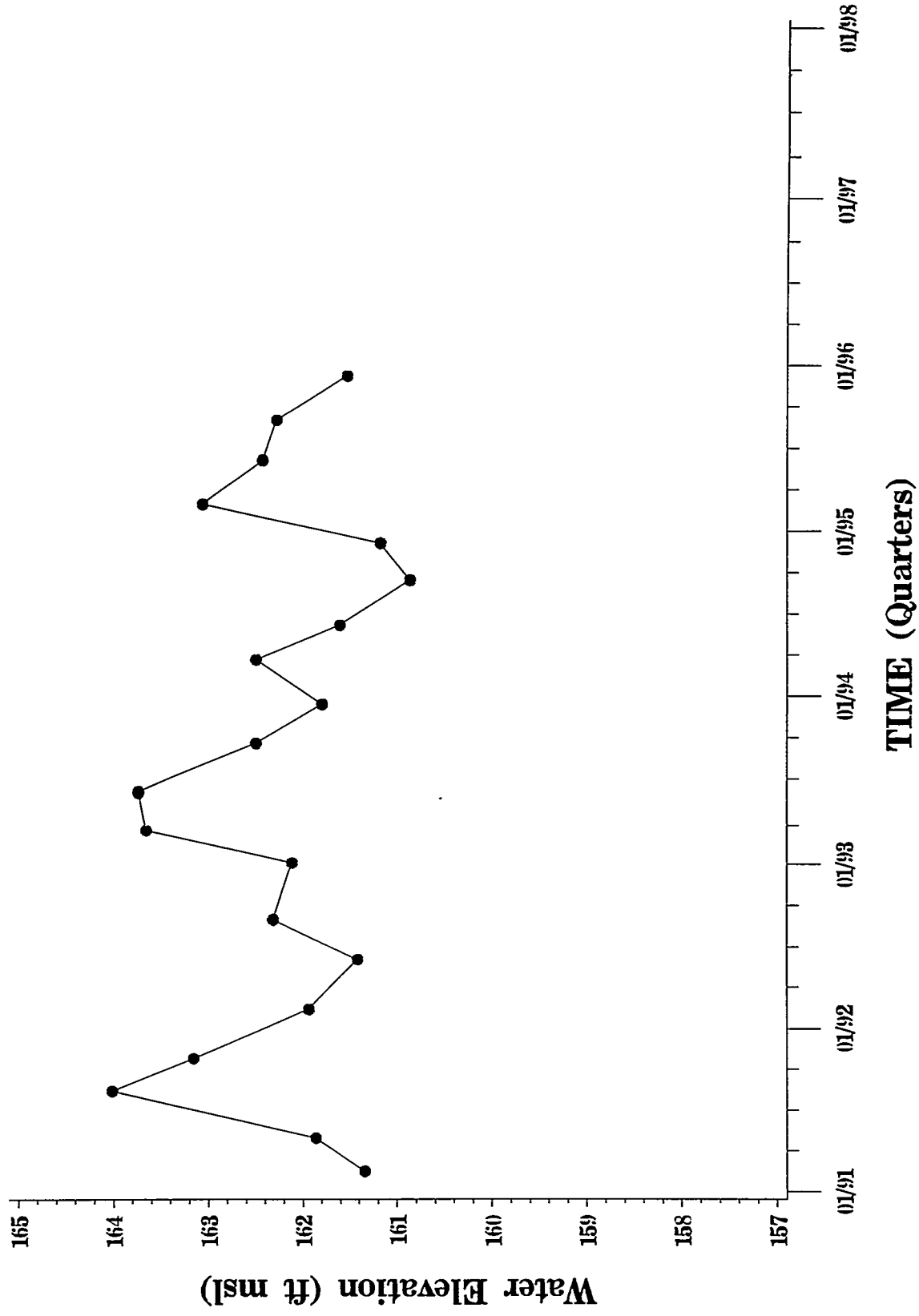
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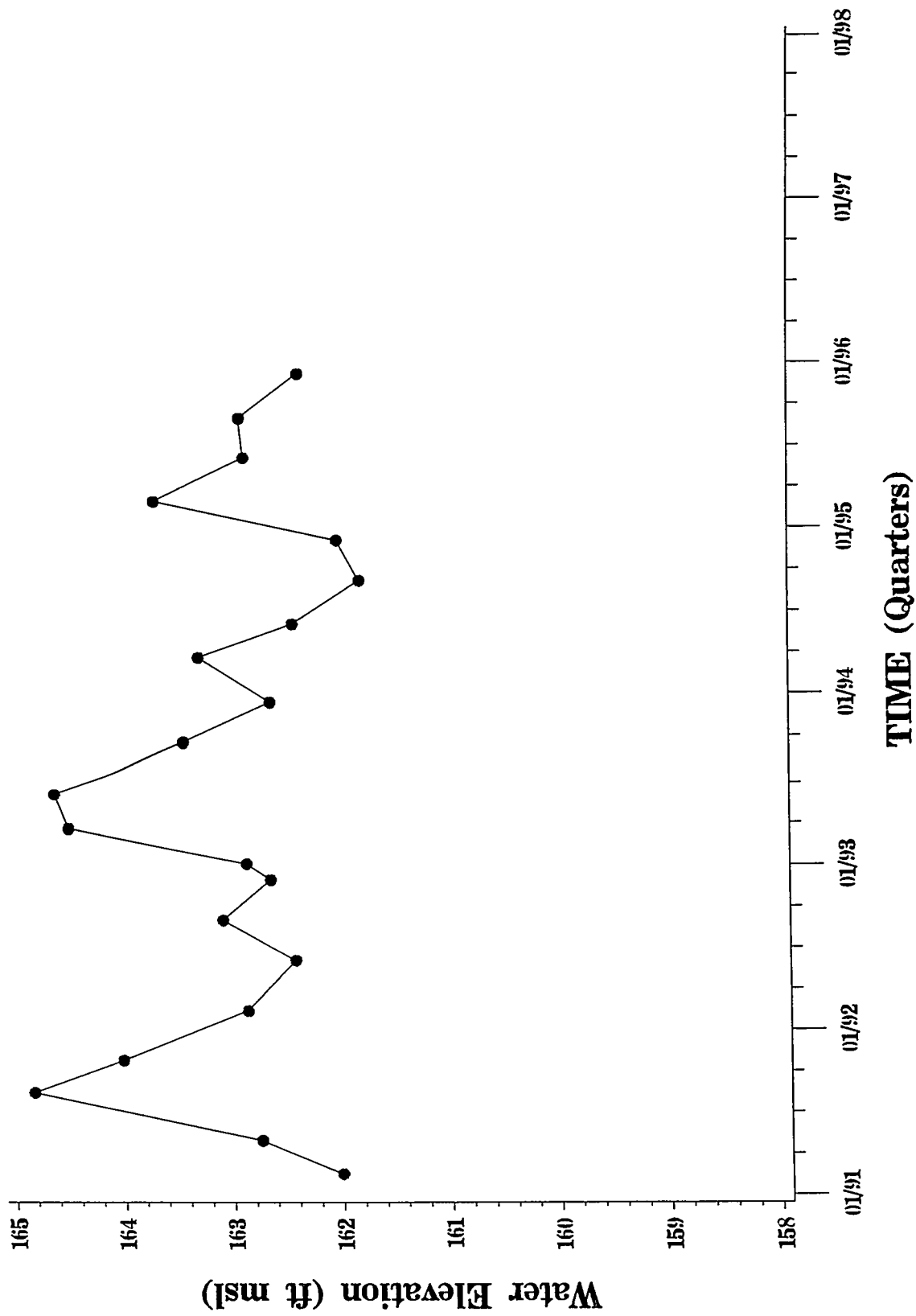
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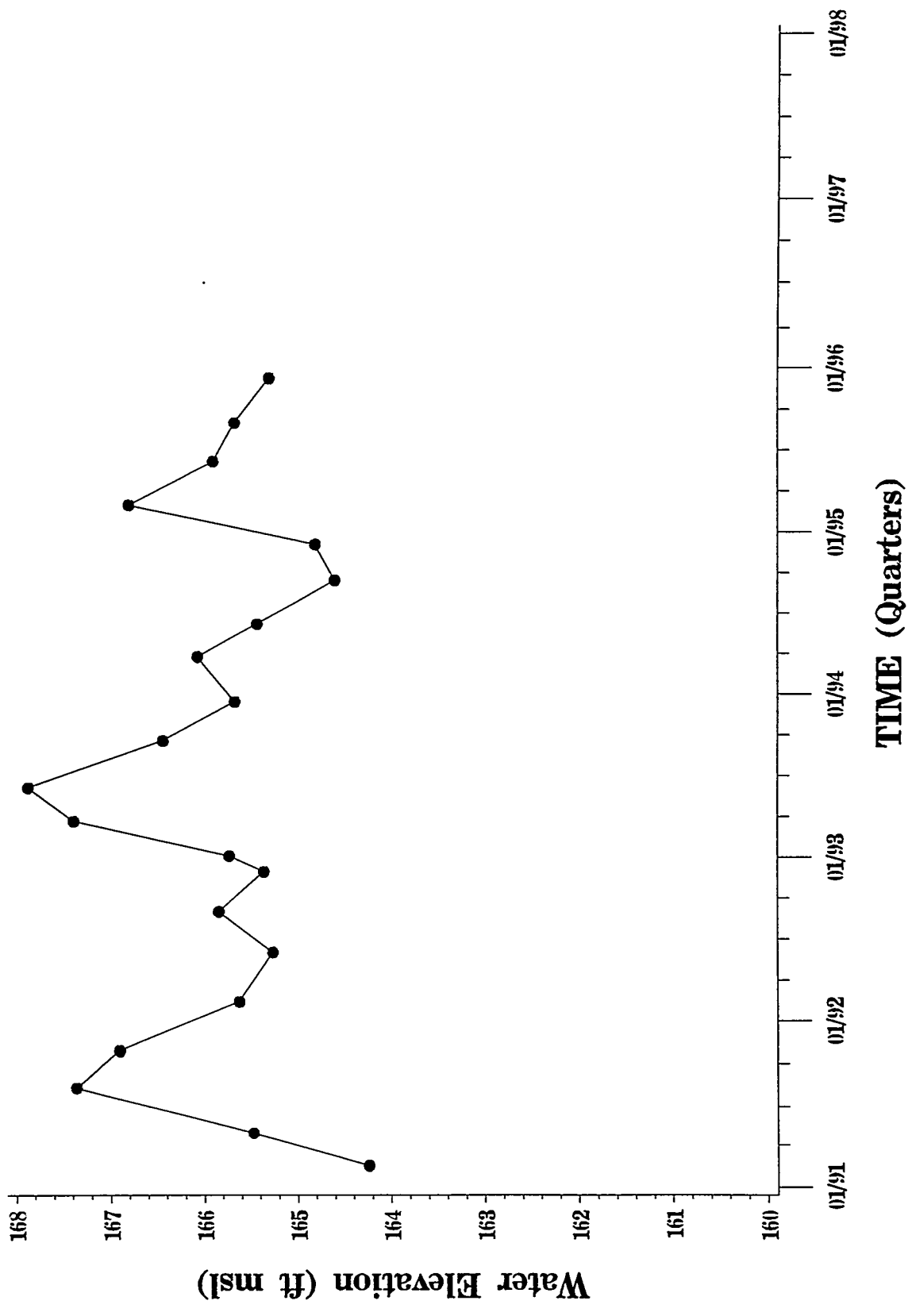
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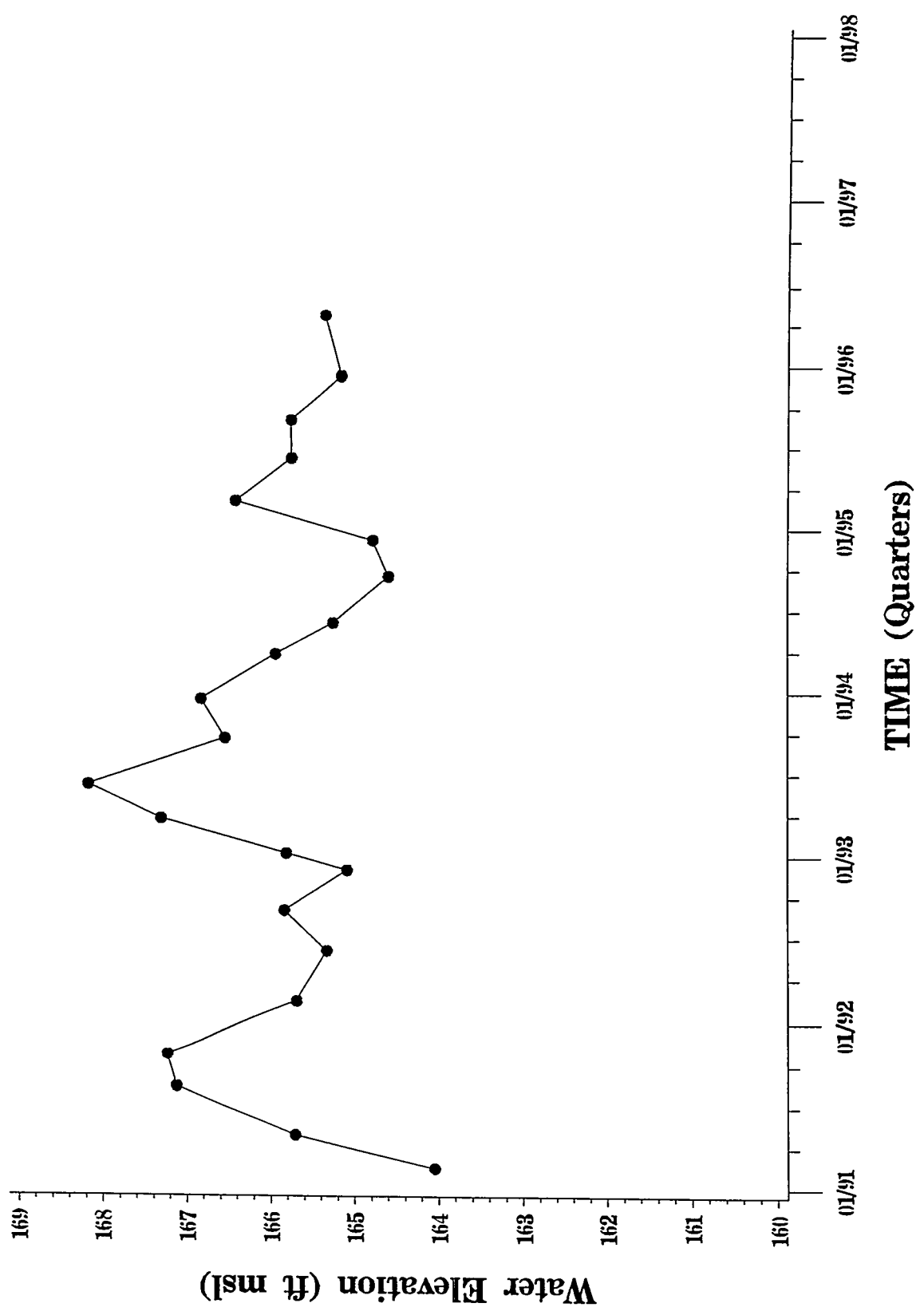
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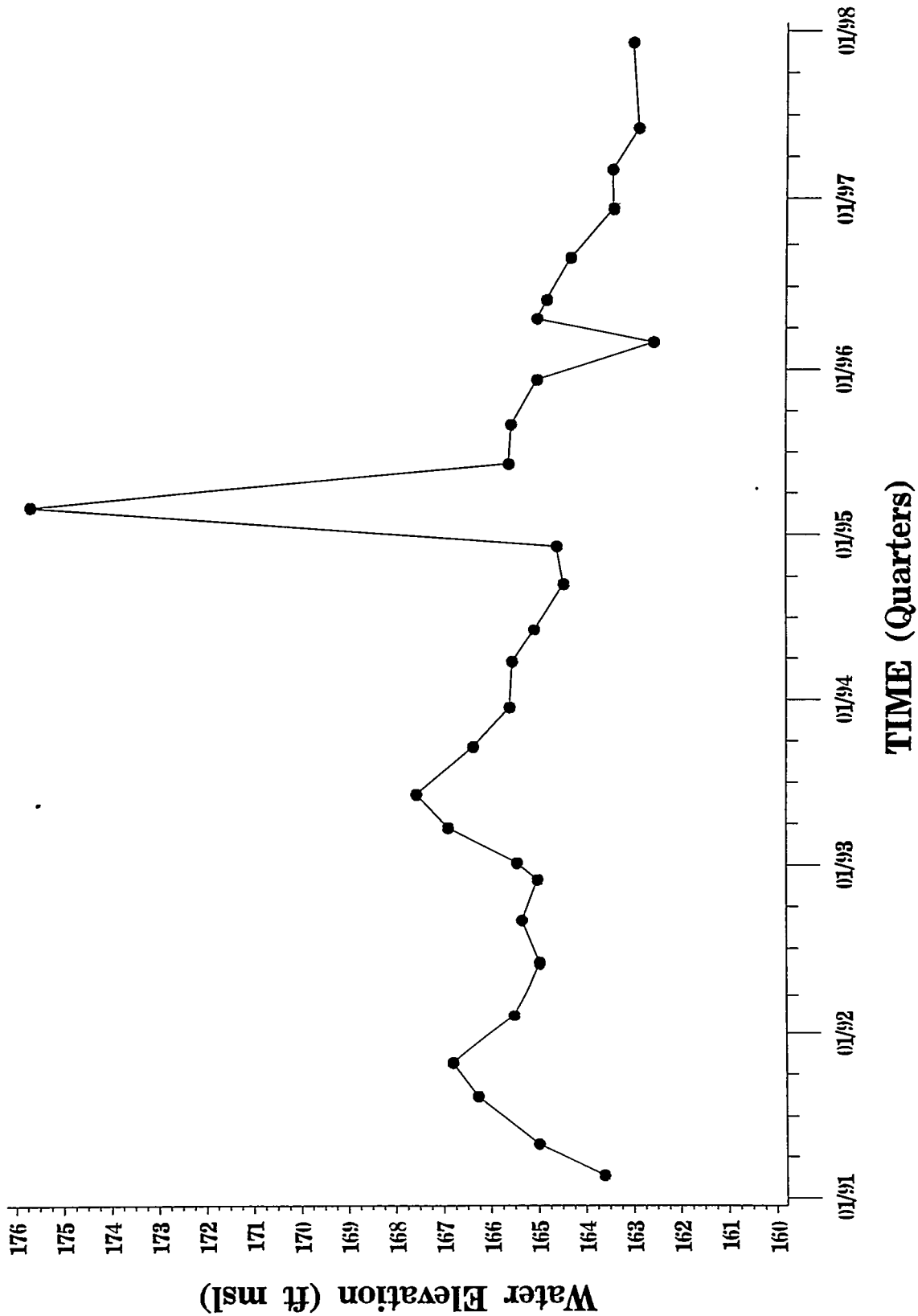
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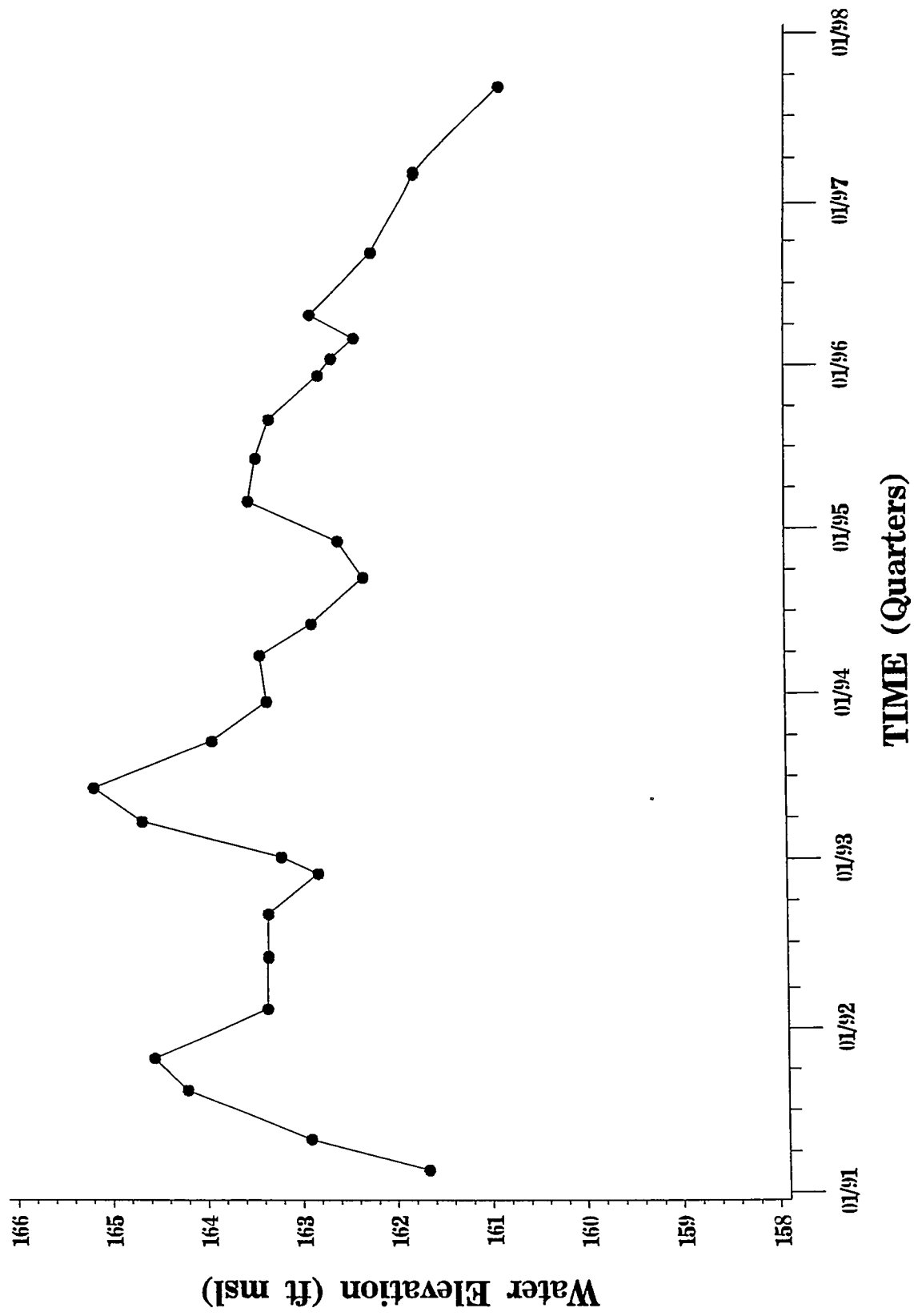
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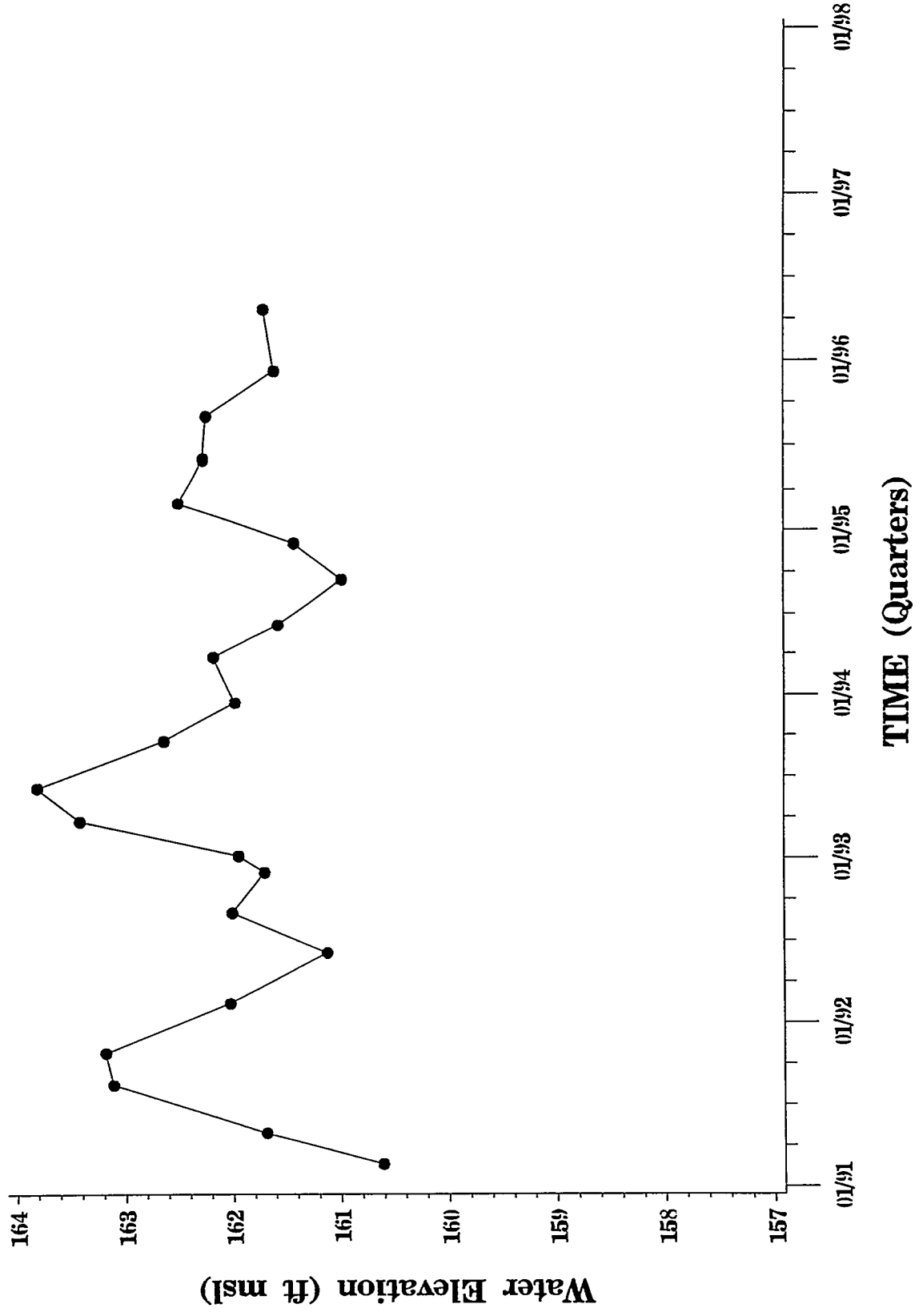
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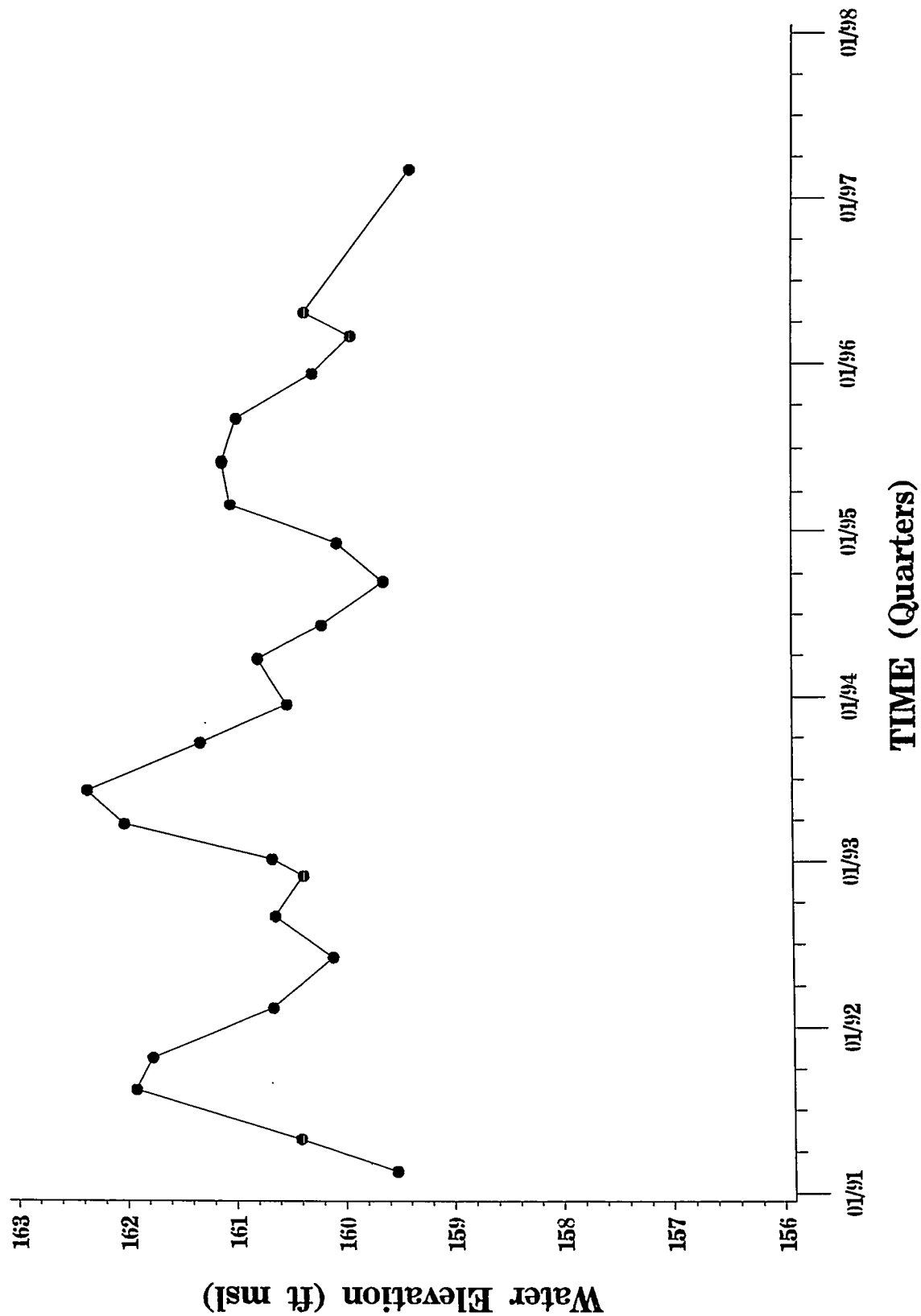


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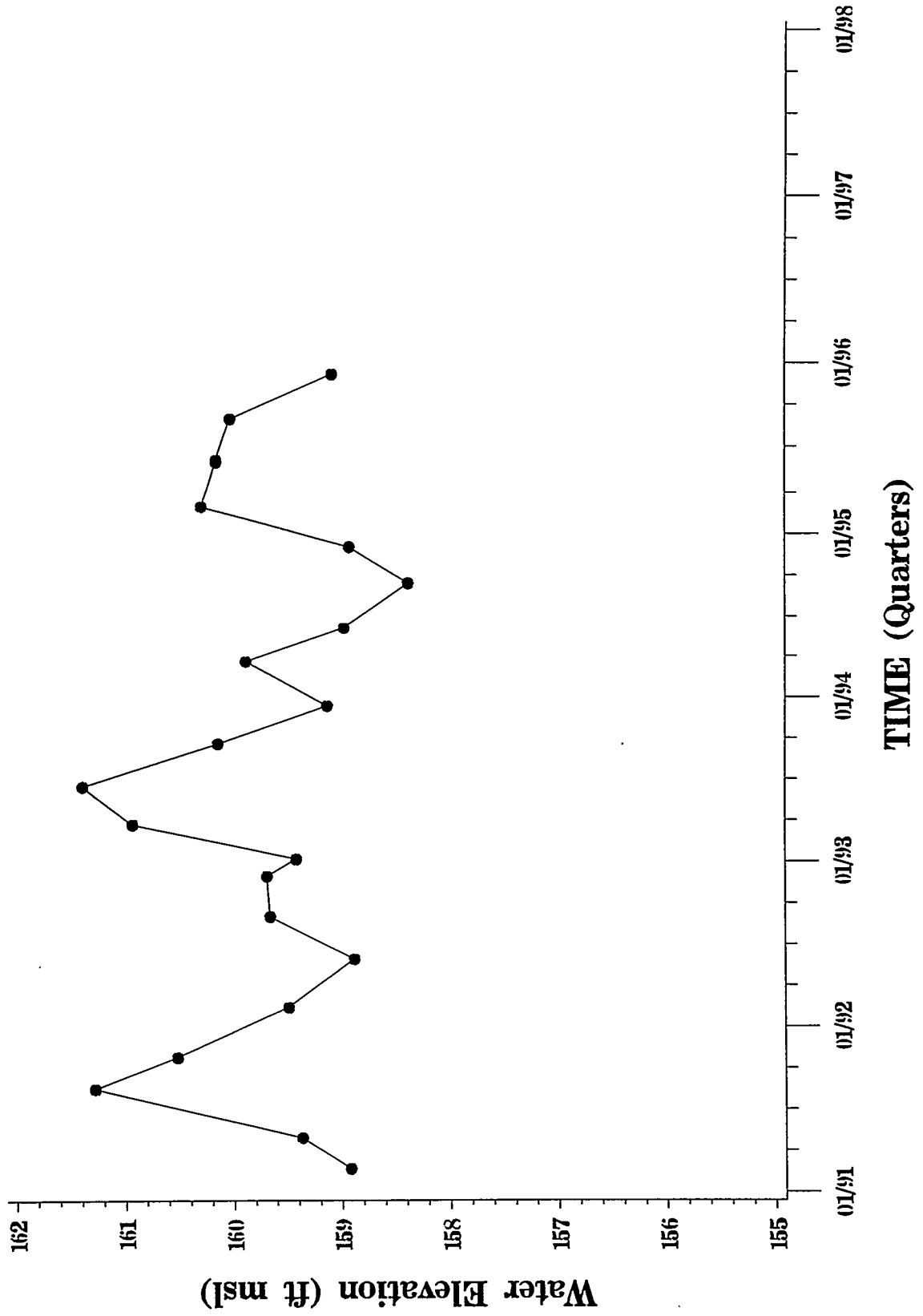


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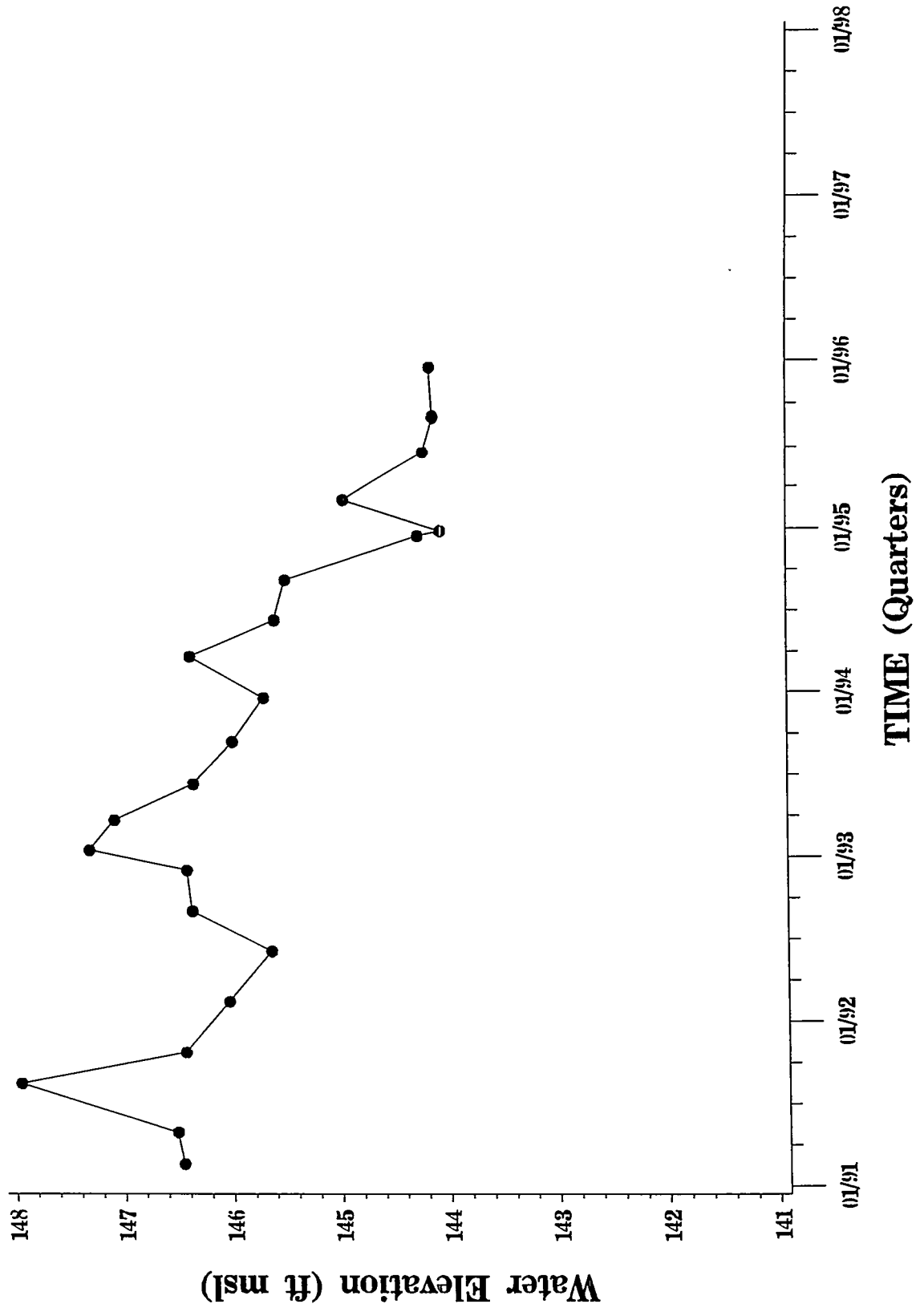
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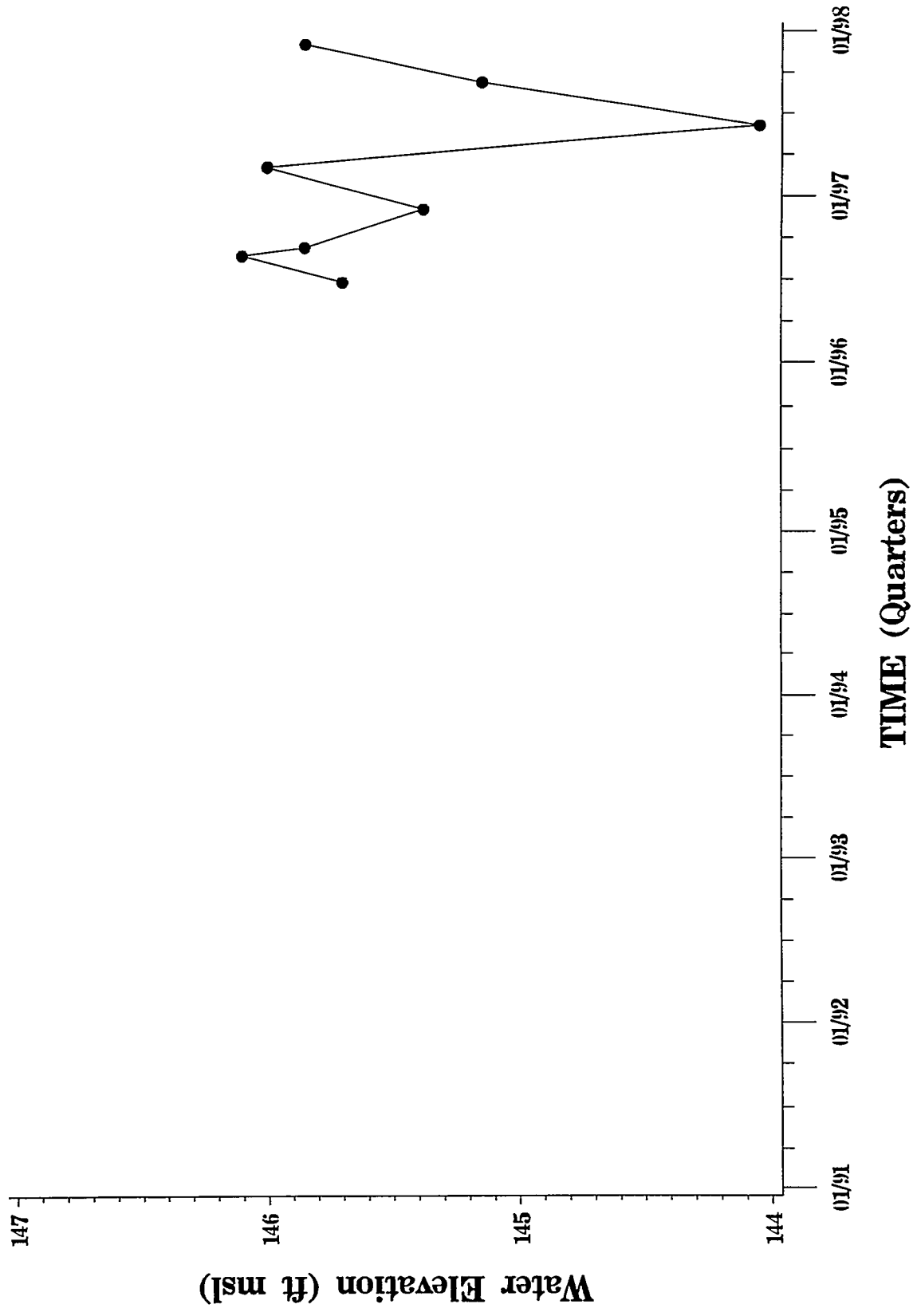
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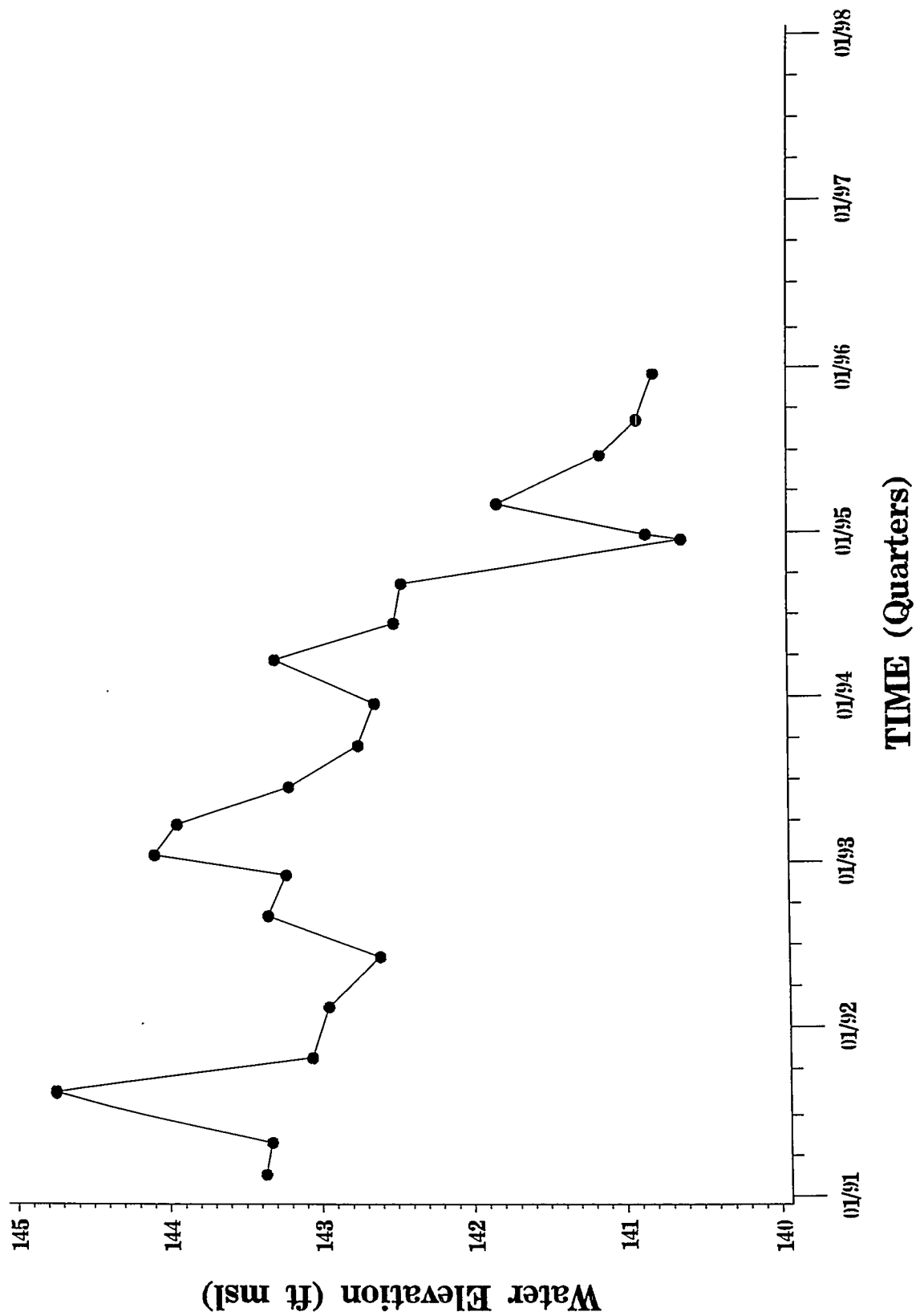
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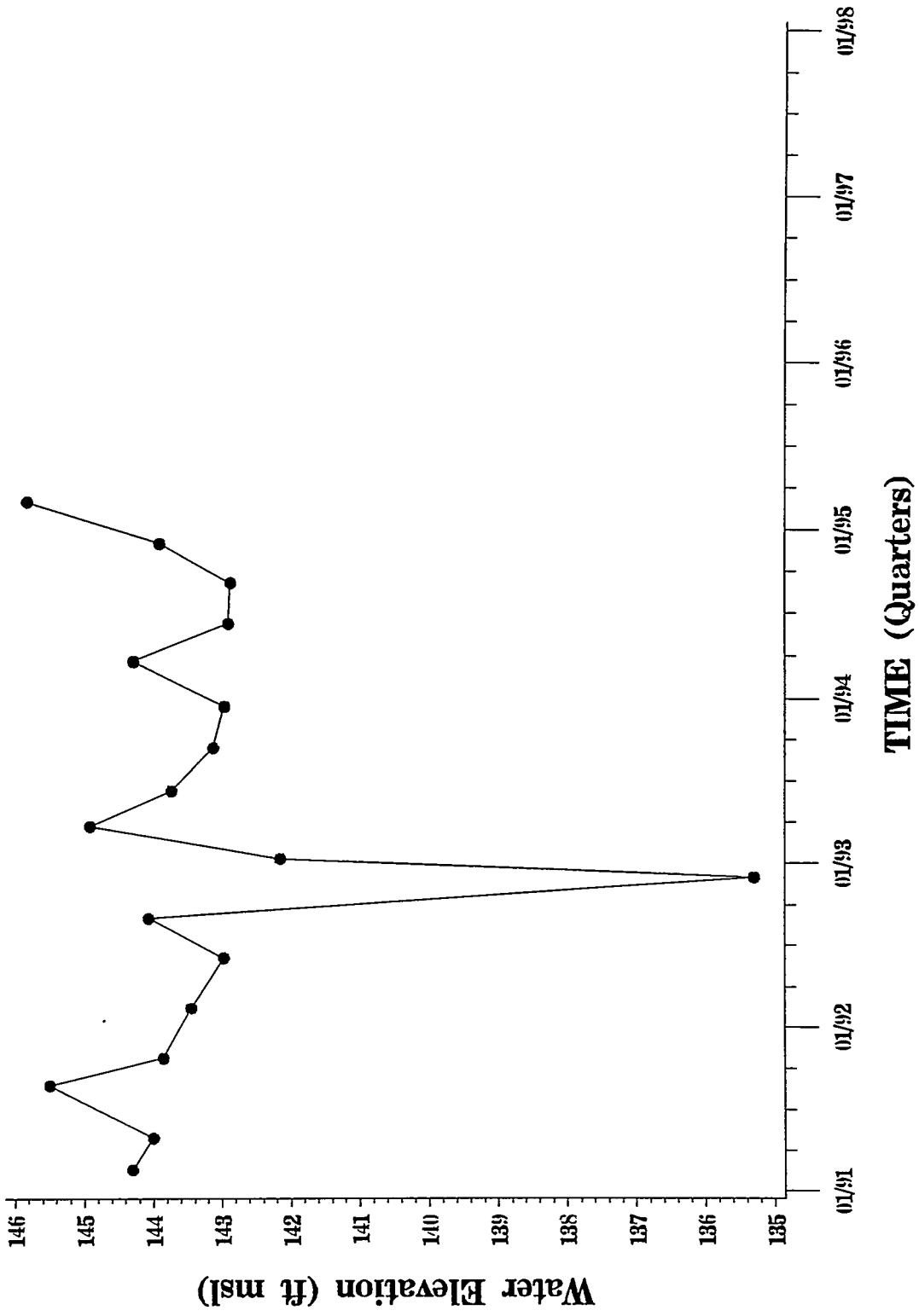
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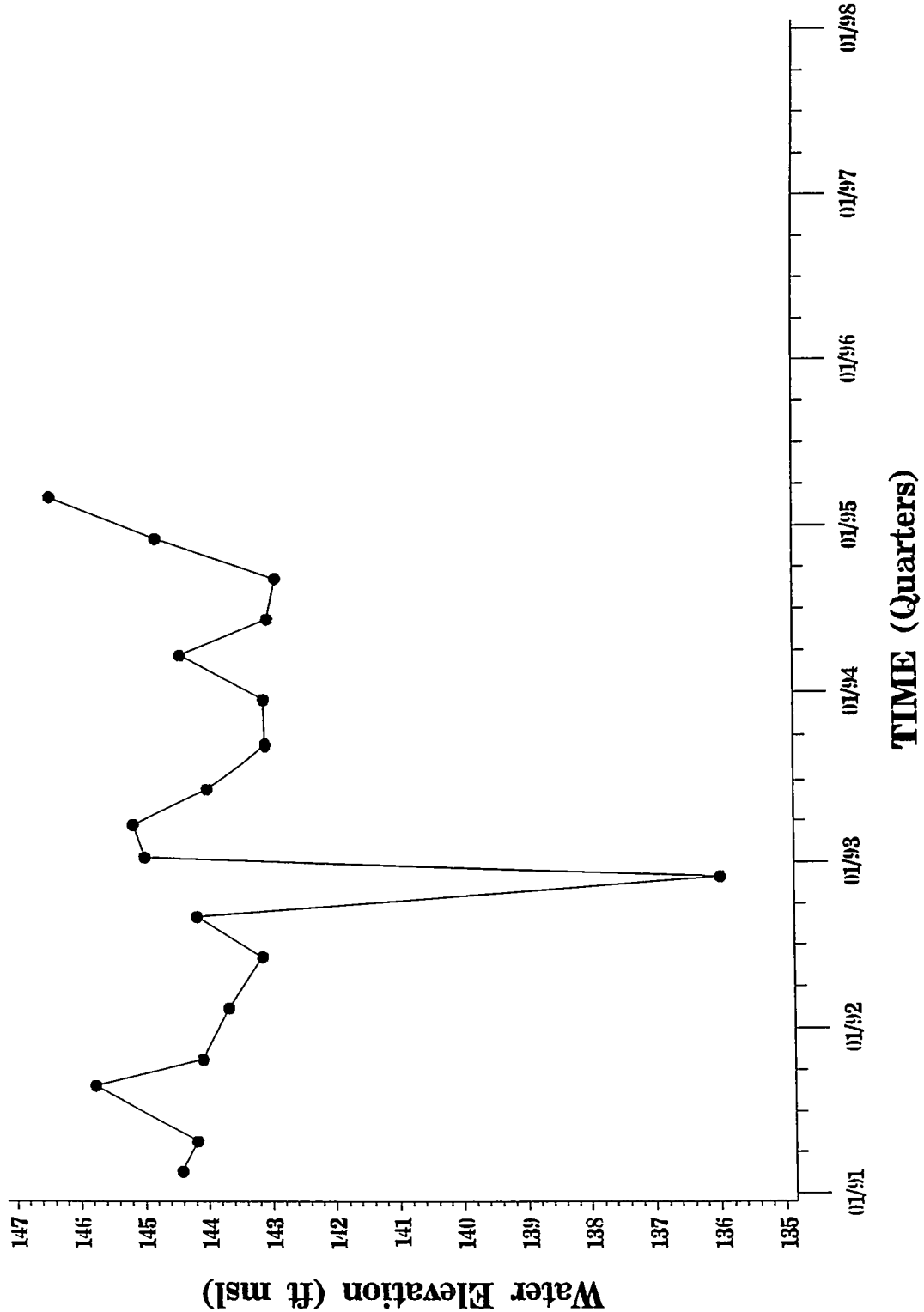
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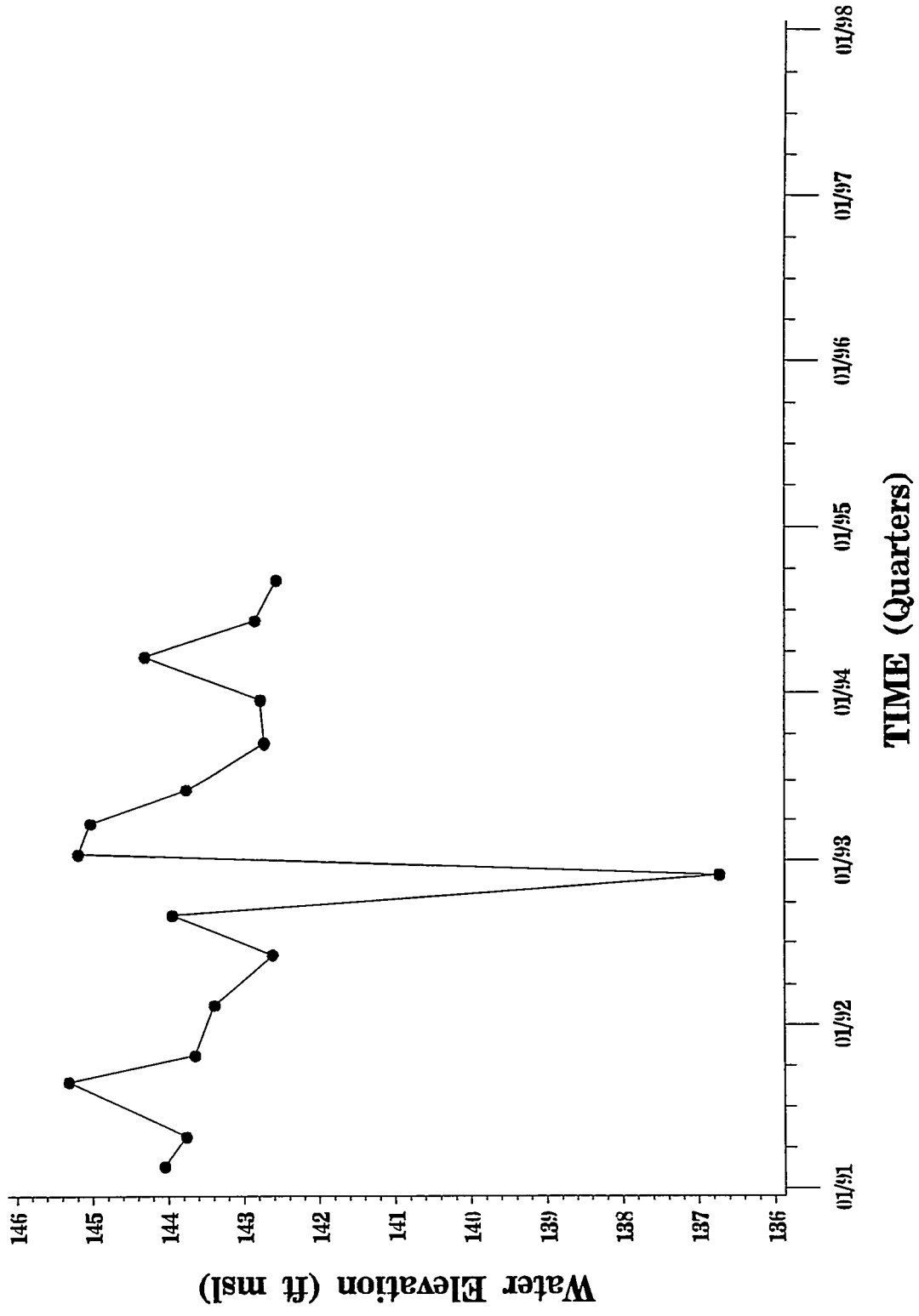
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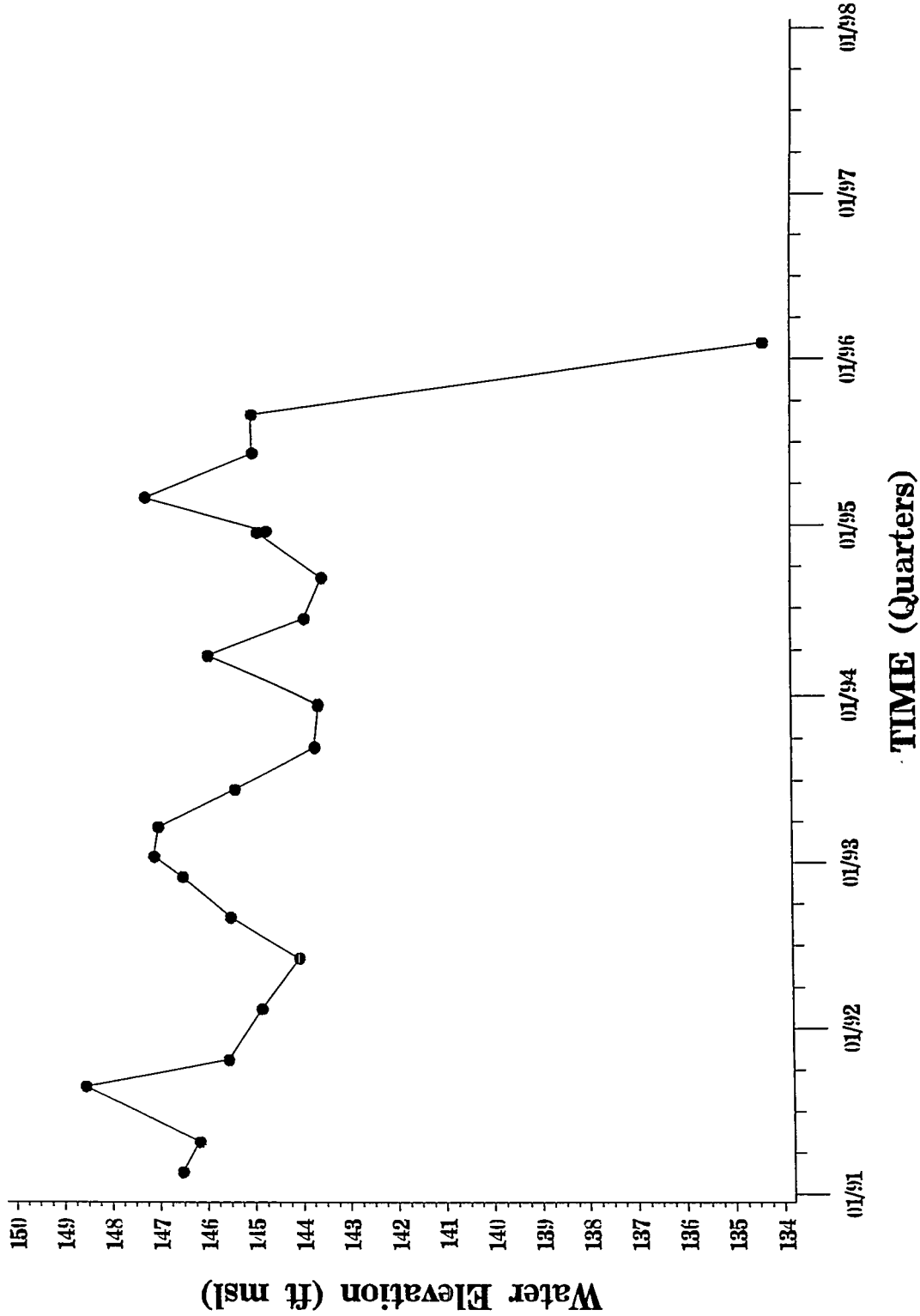
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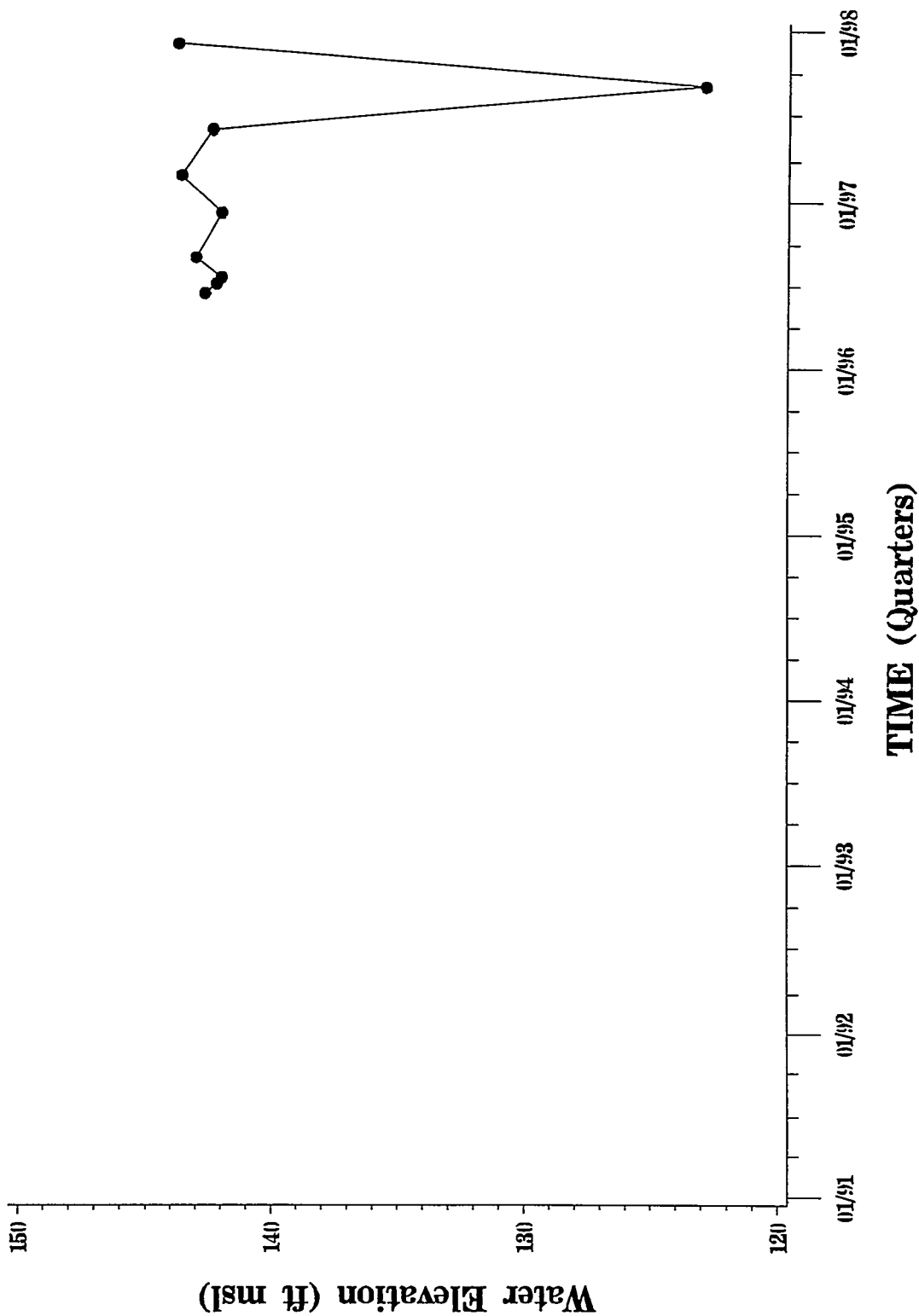
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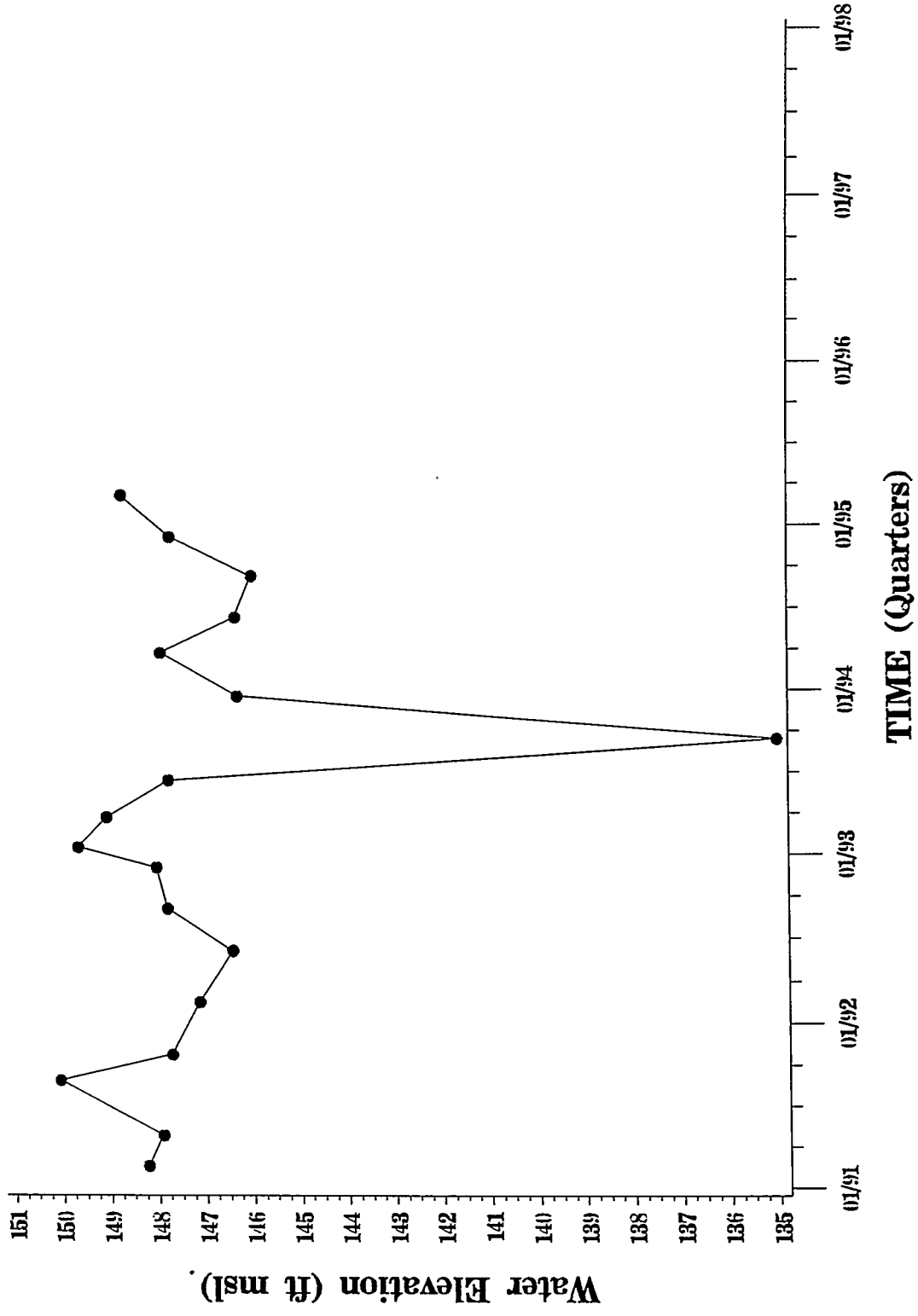
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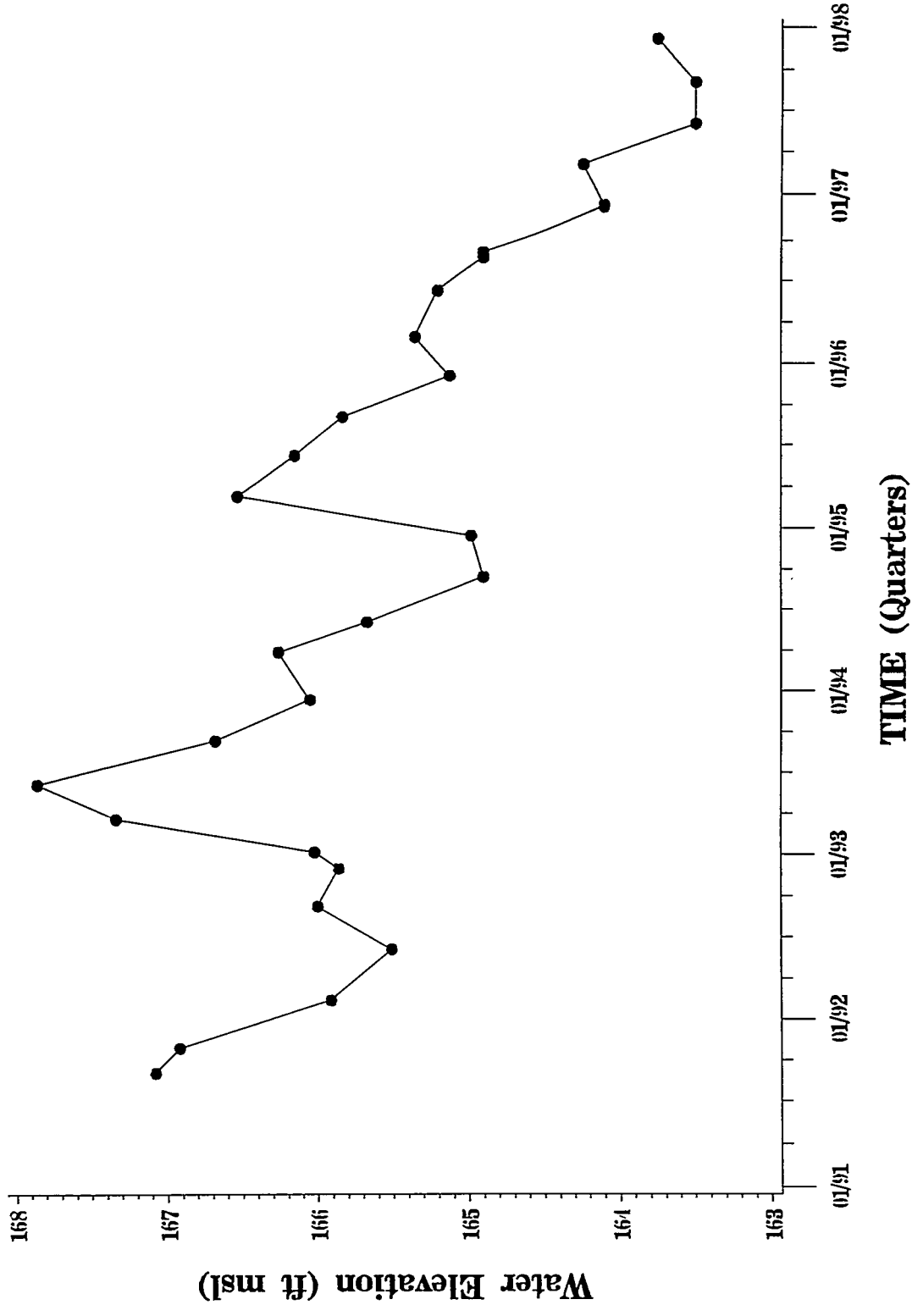
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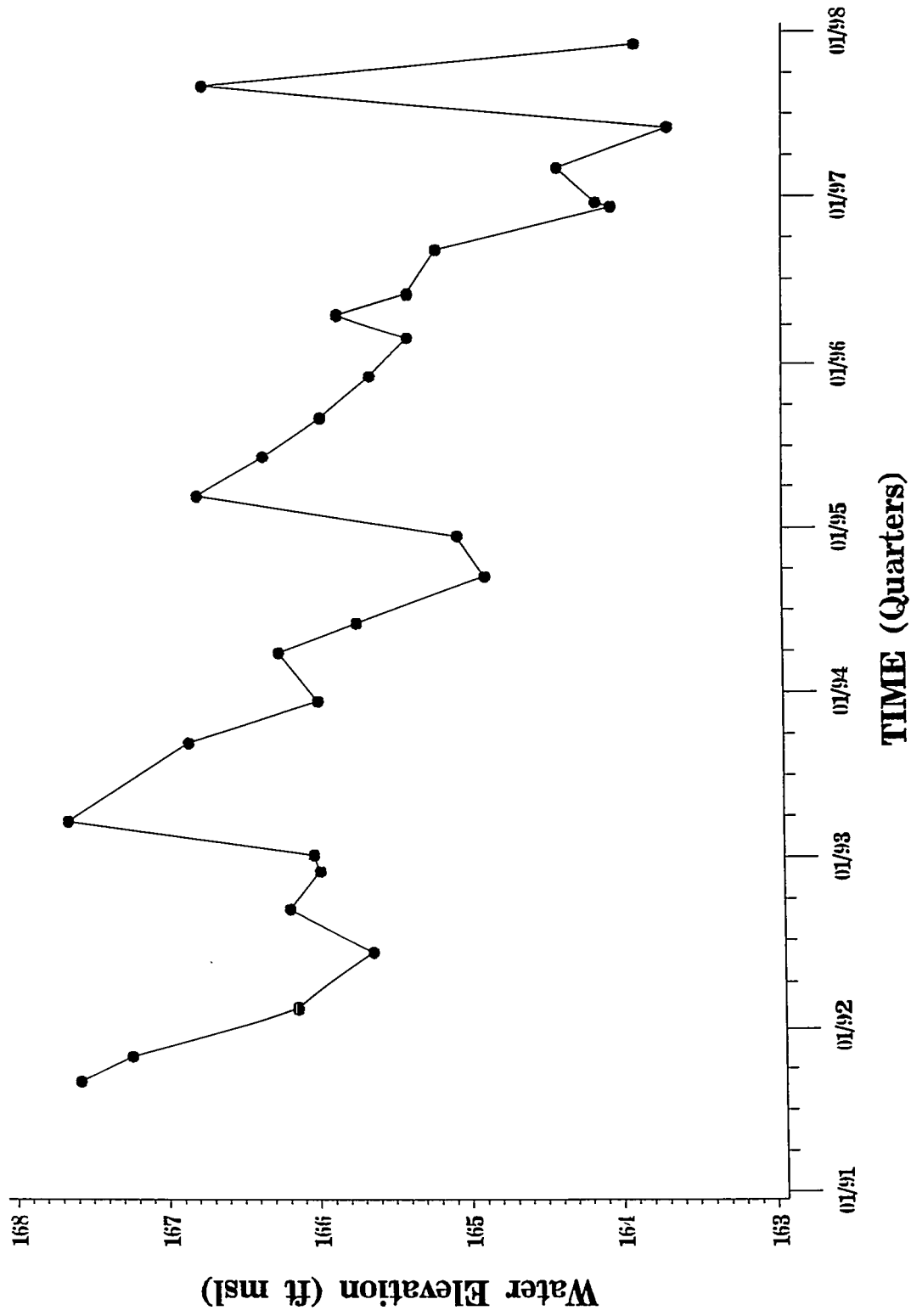
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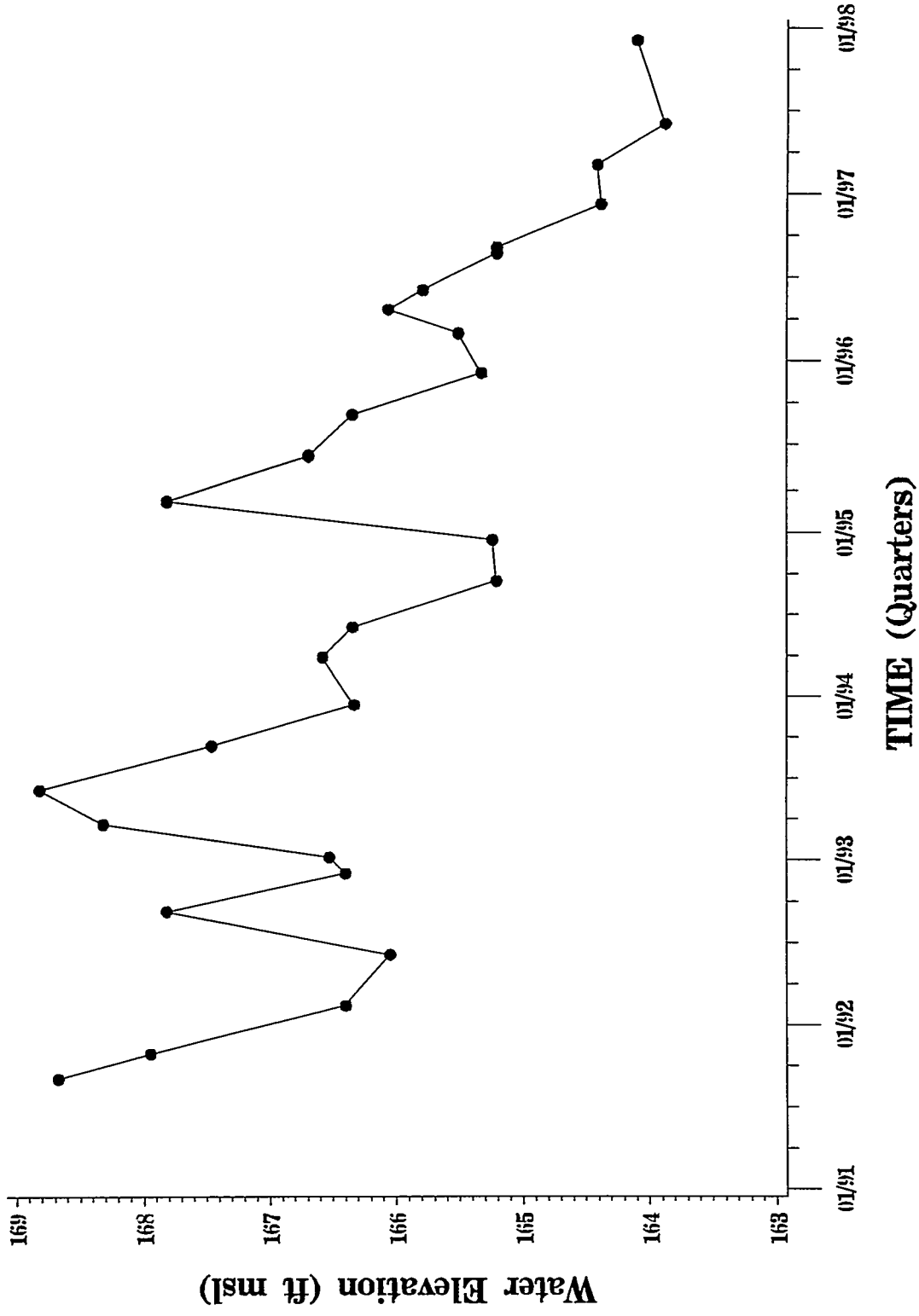
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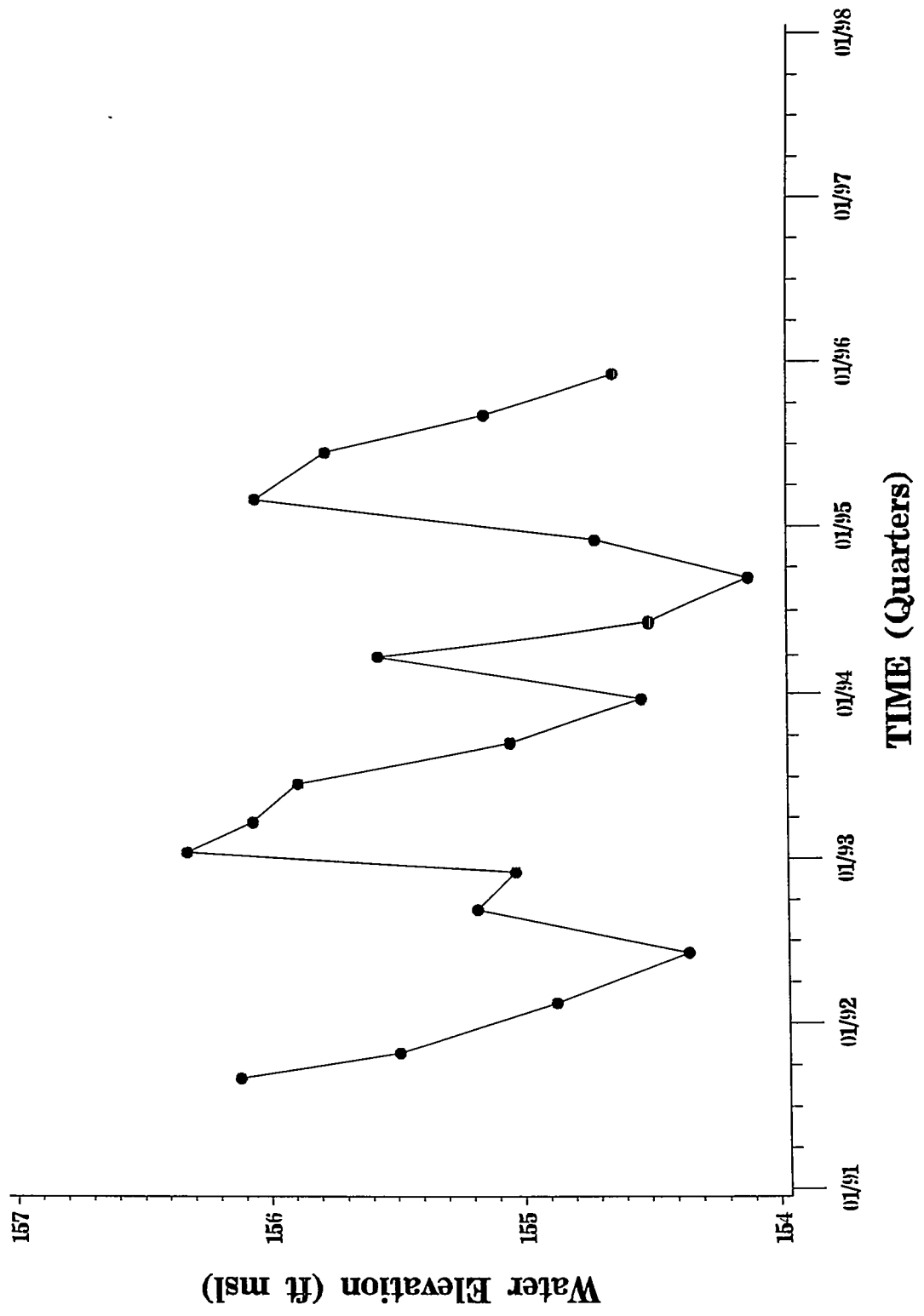
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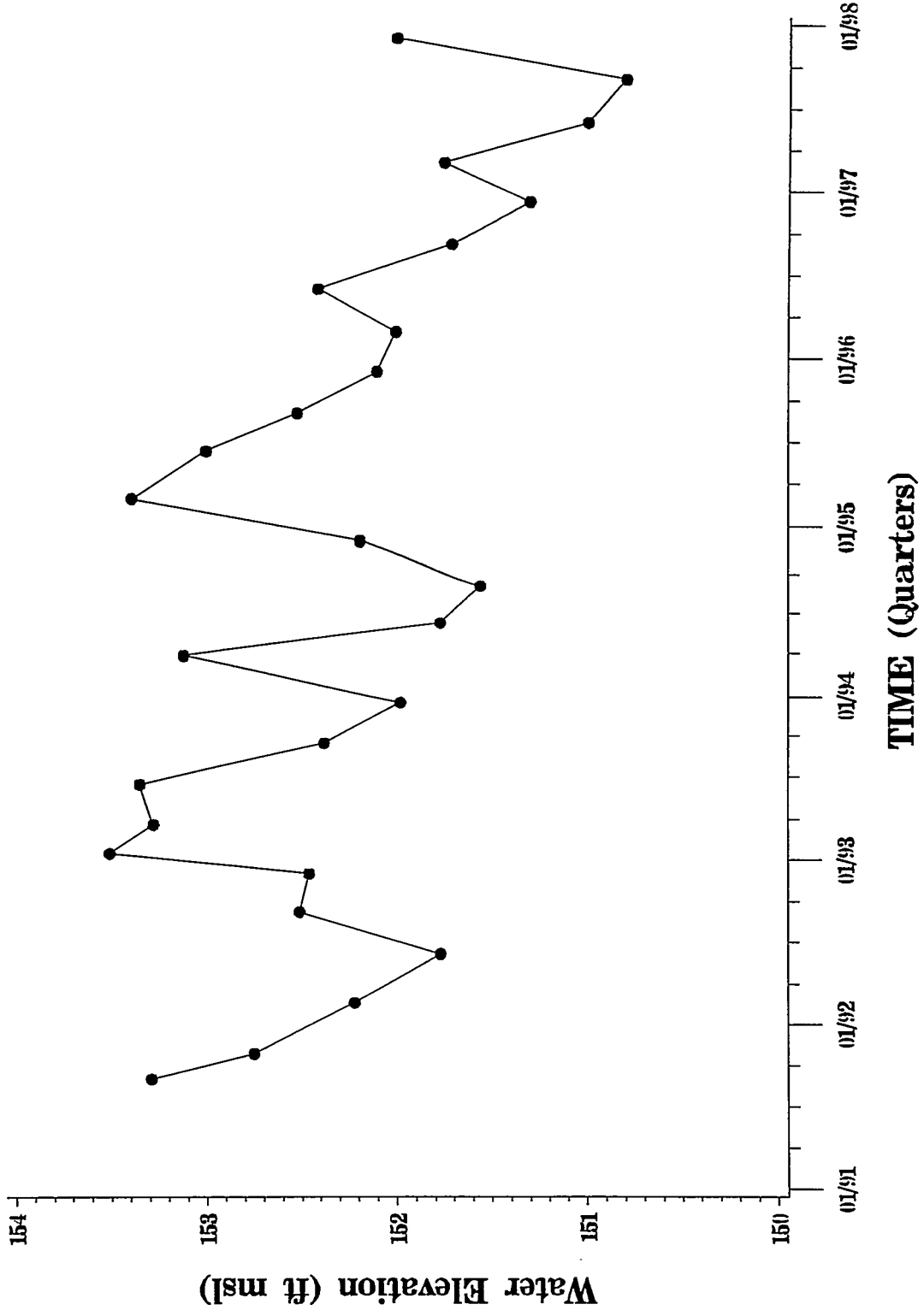
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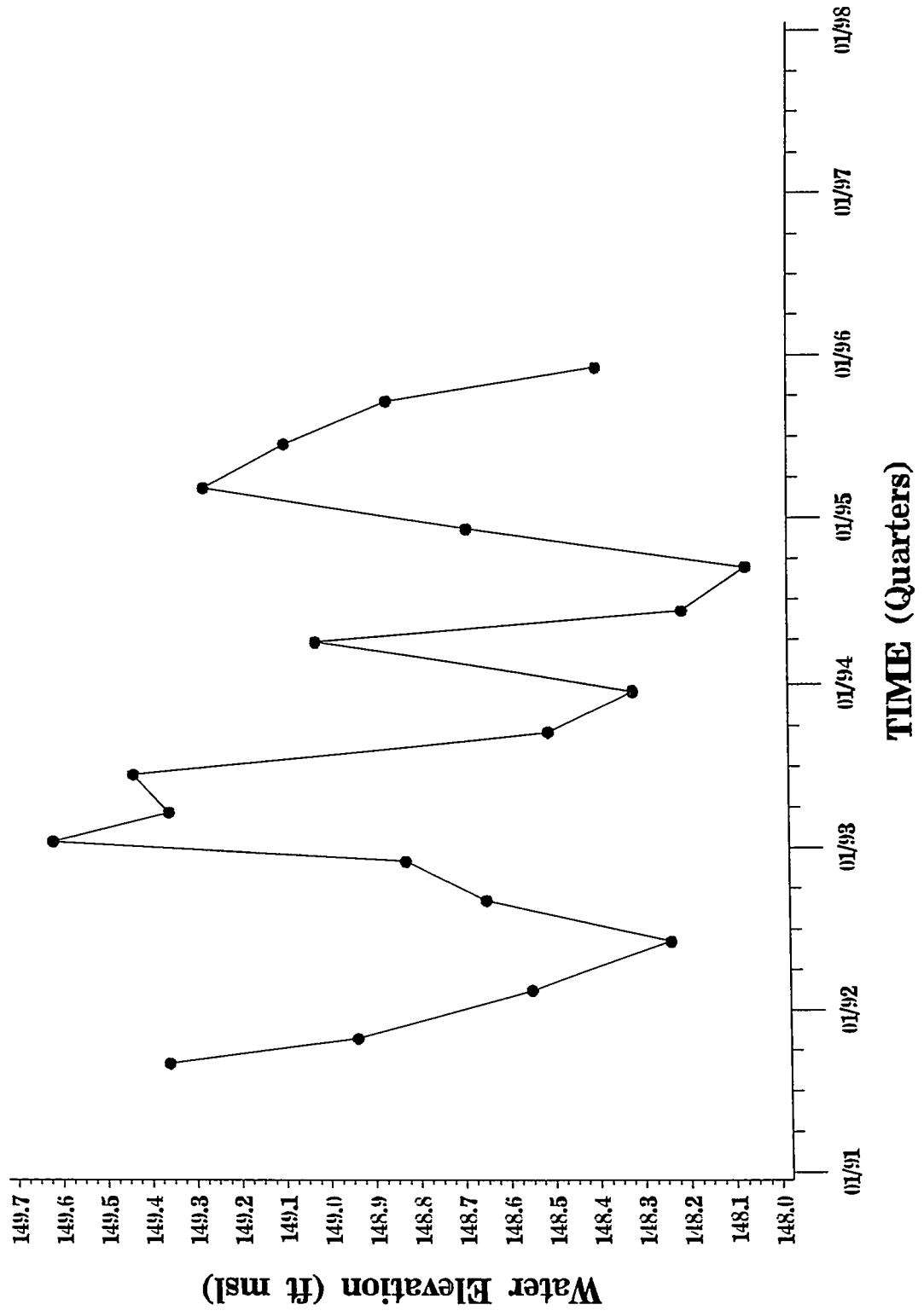
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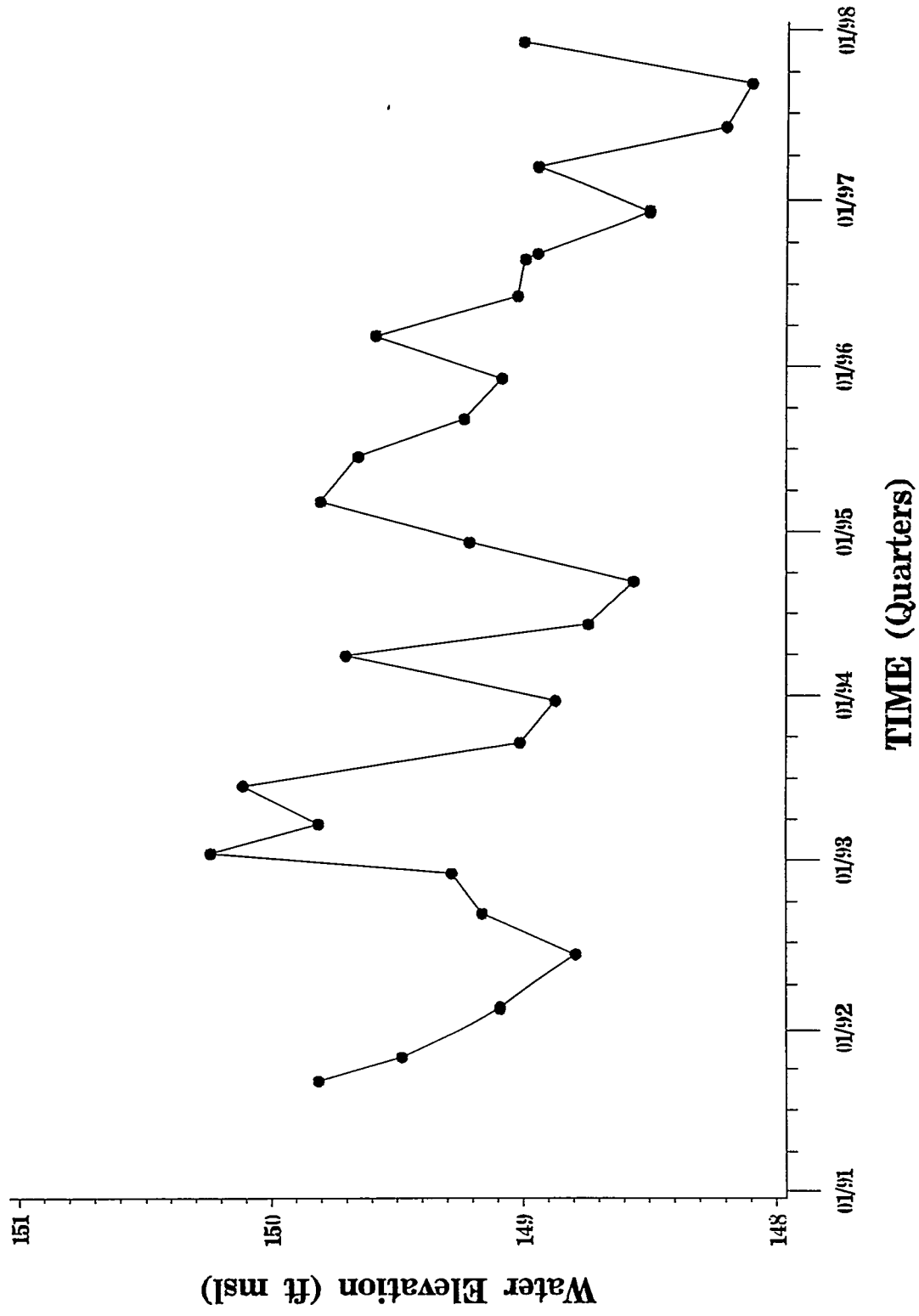
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Hydrograph
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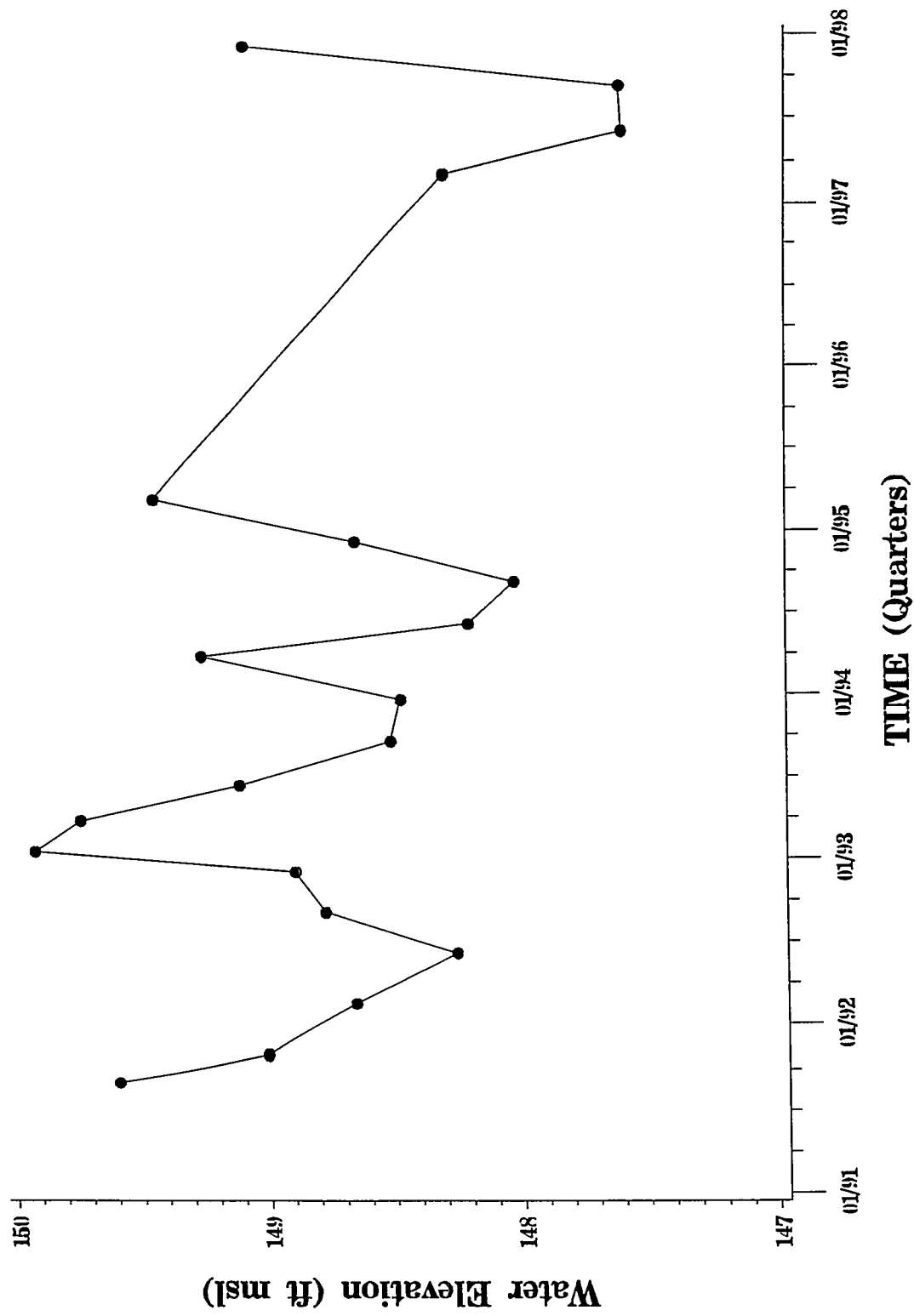
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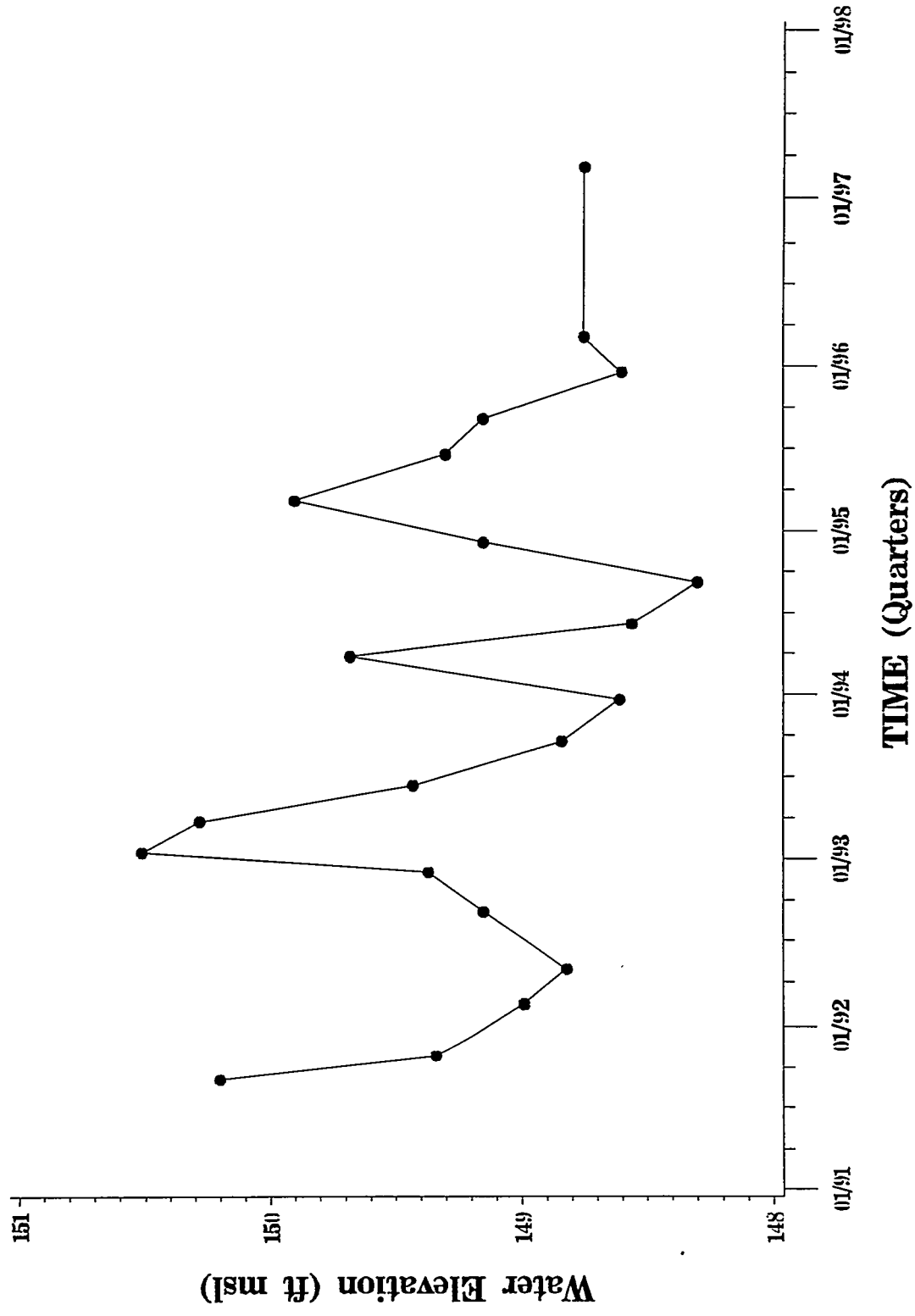
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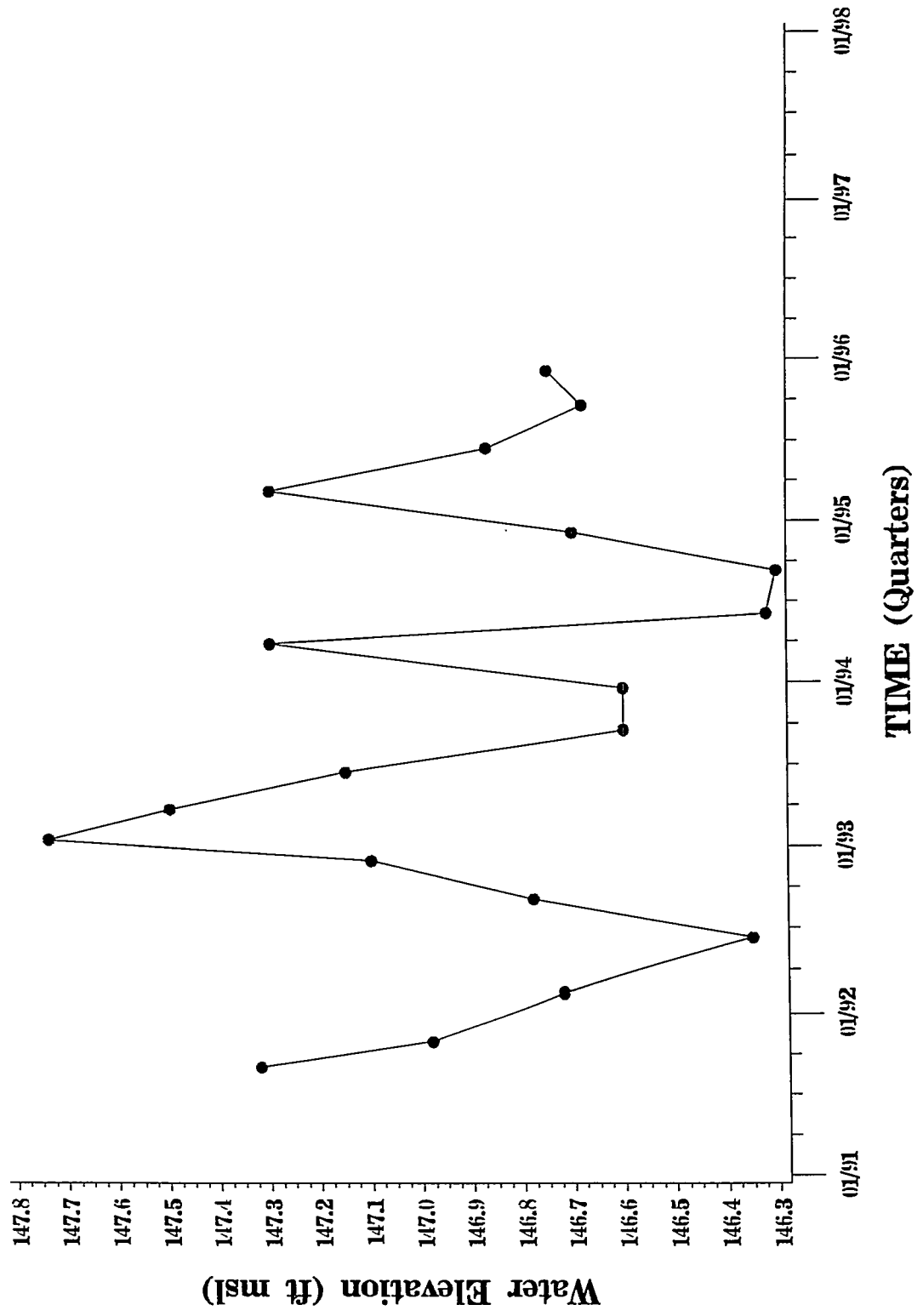
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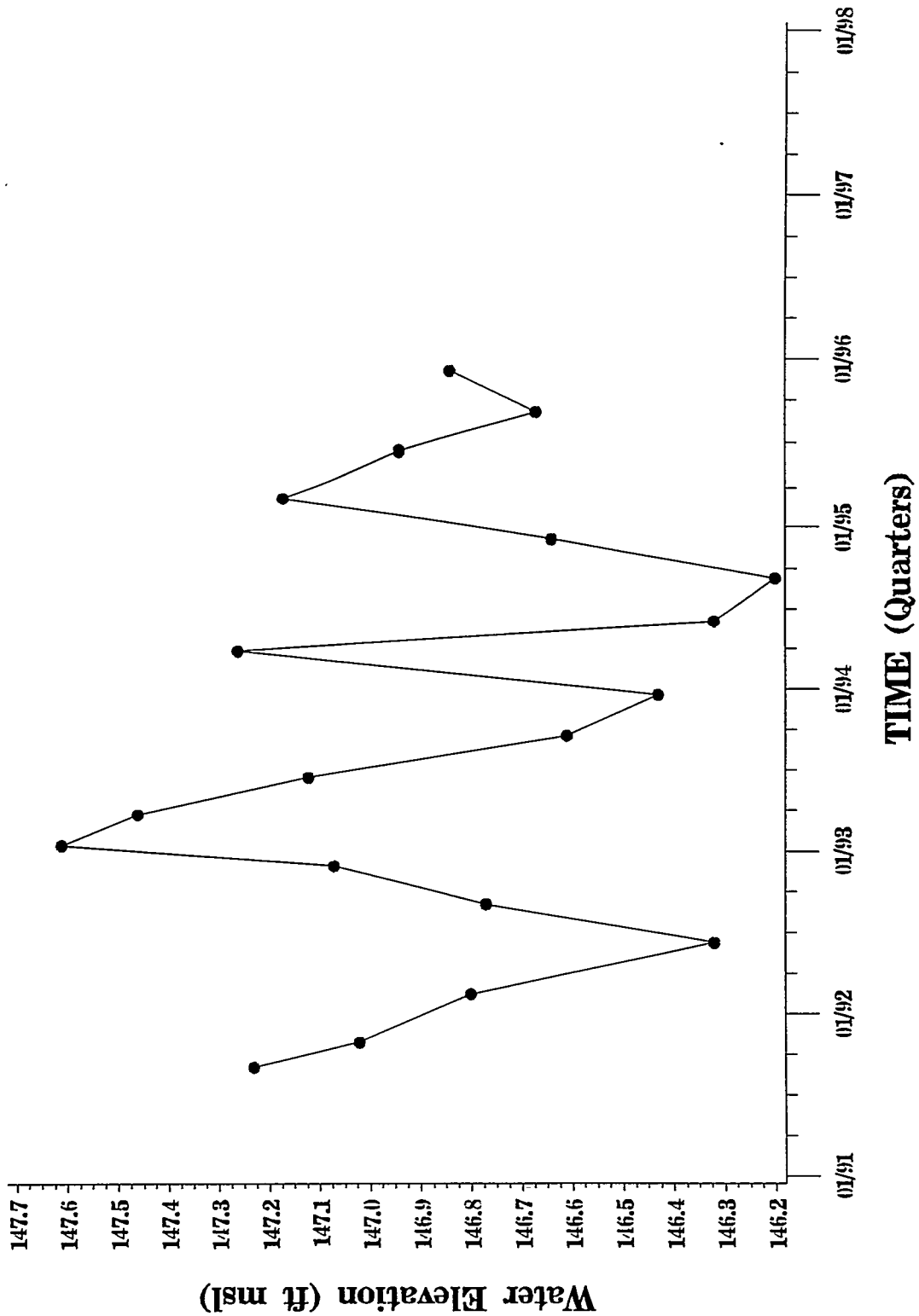
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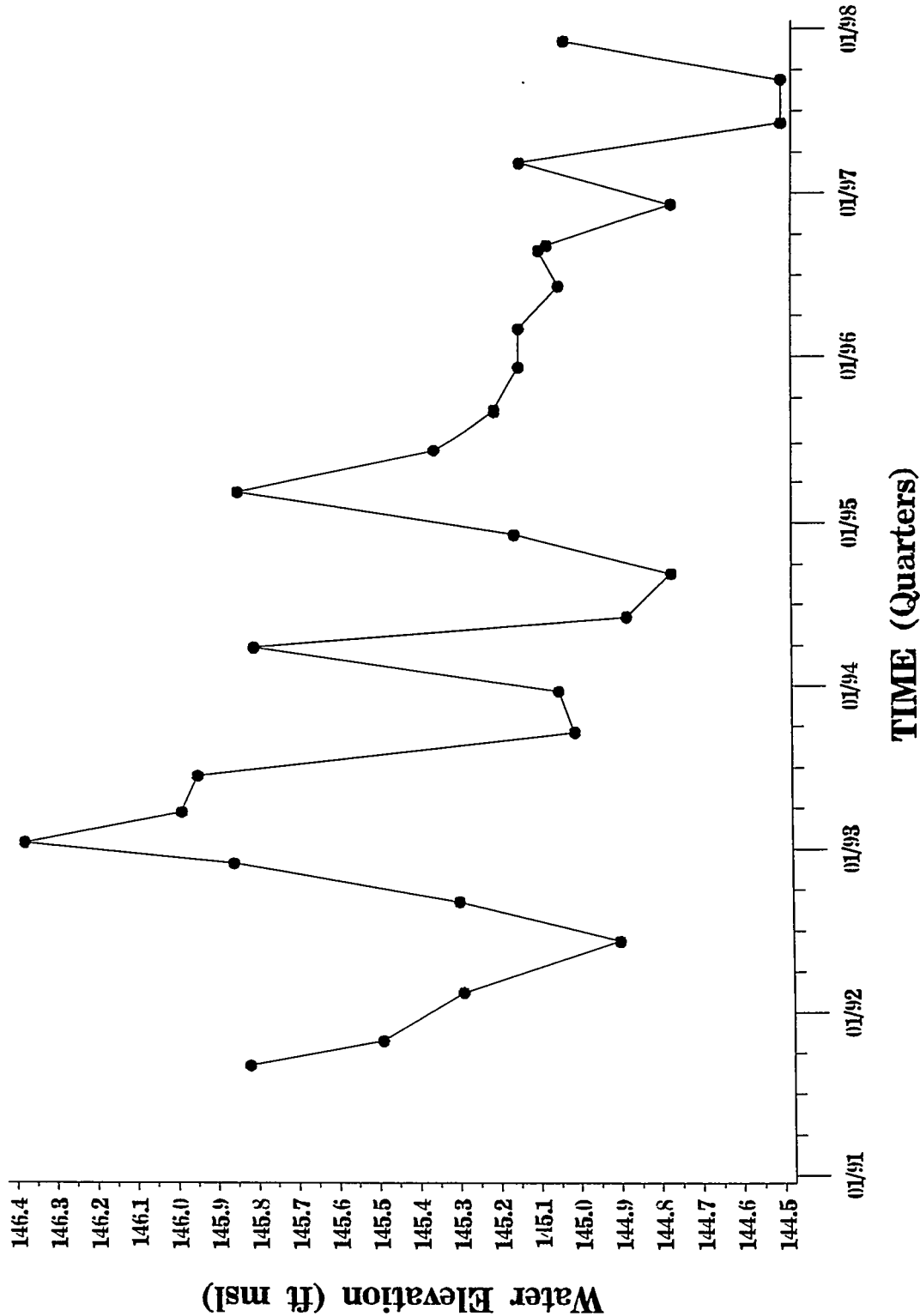
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Hydrograph
WELL LFW 55C



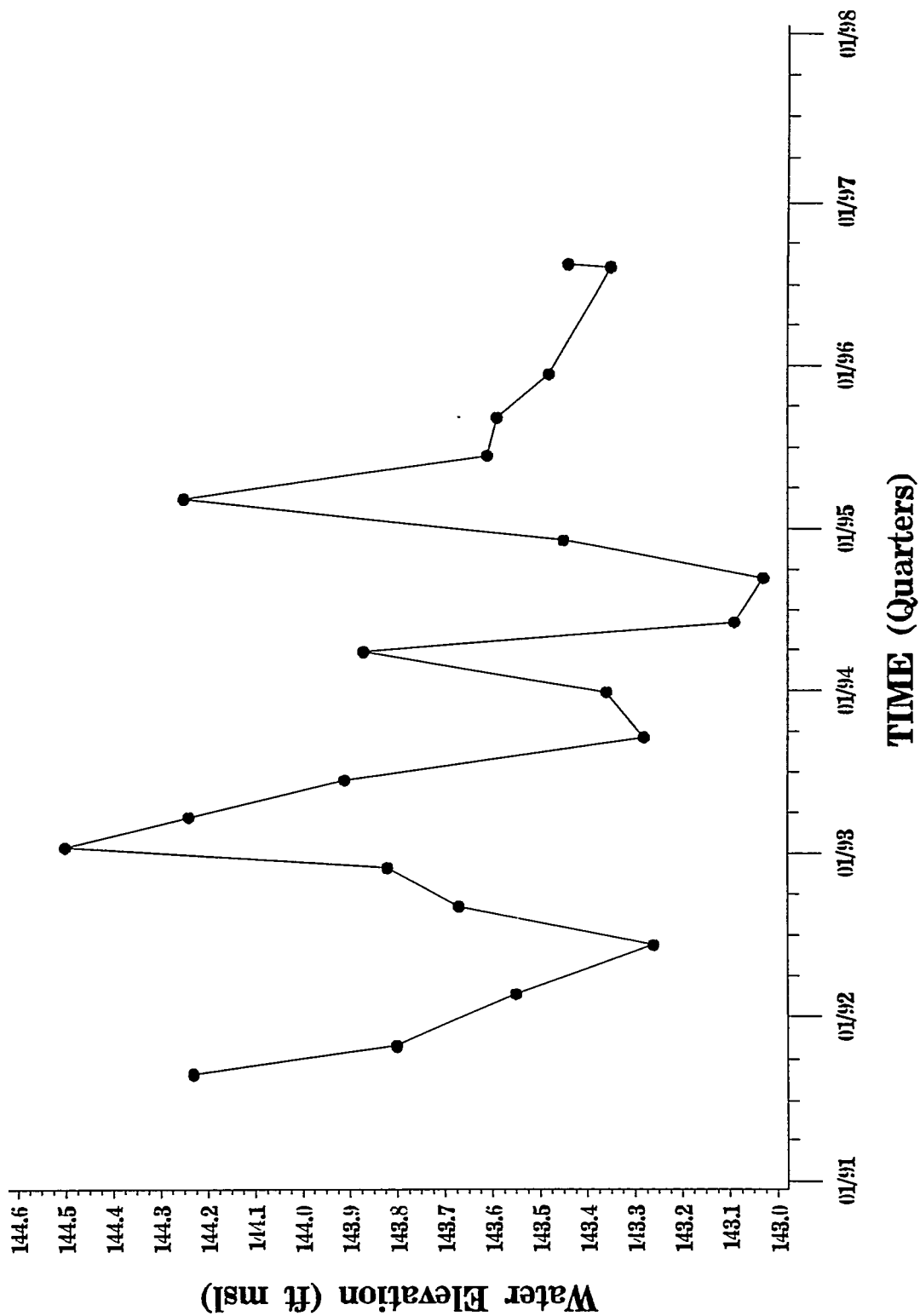
WSRC--TR--98--00006
Unclassified

Hydrograph
WELL LFW 56D



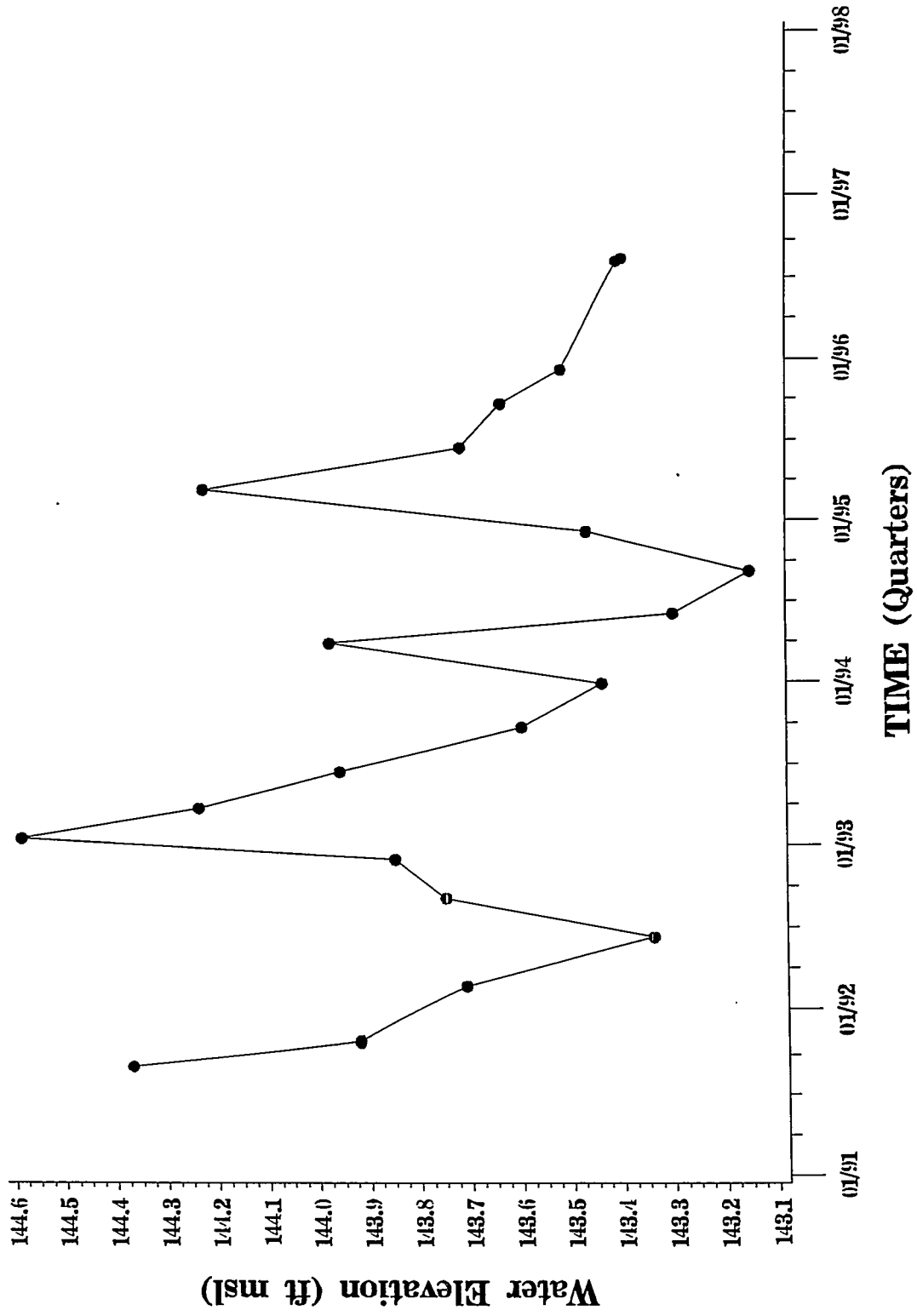
WSRC - TR - 98 - 00006
Unclassified

Hydrograph
WELL LFW 57B



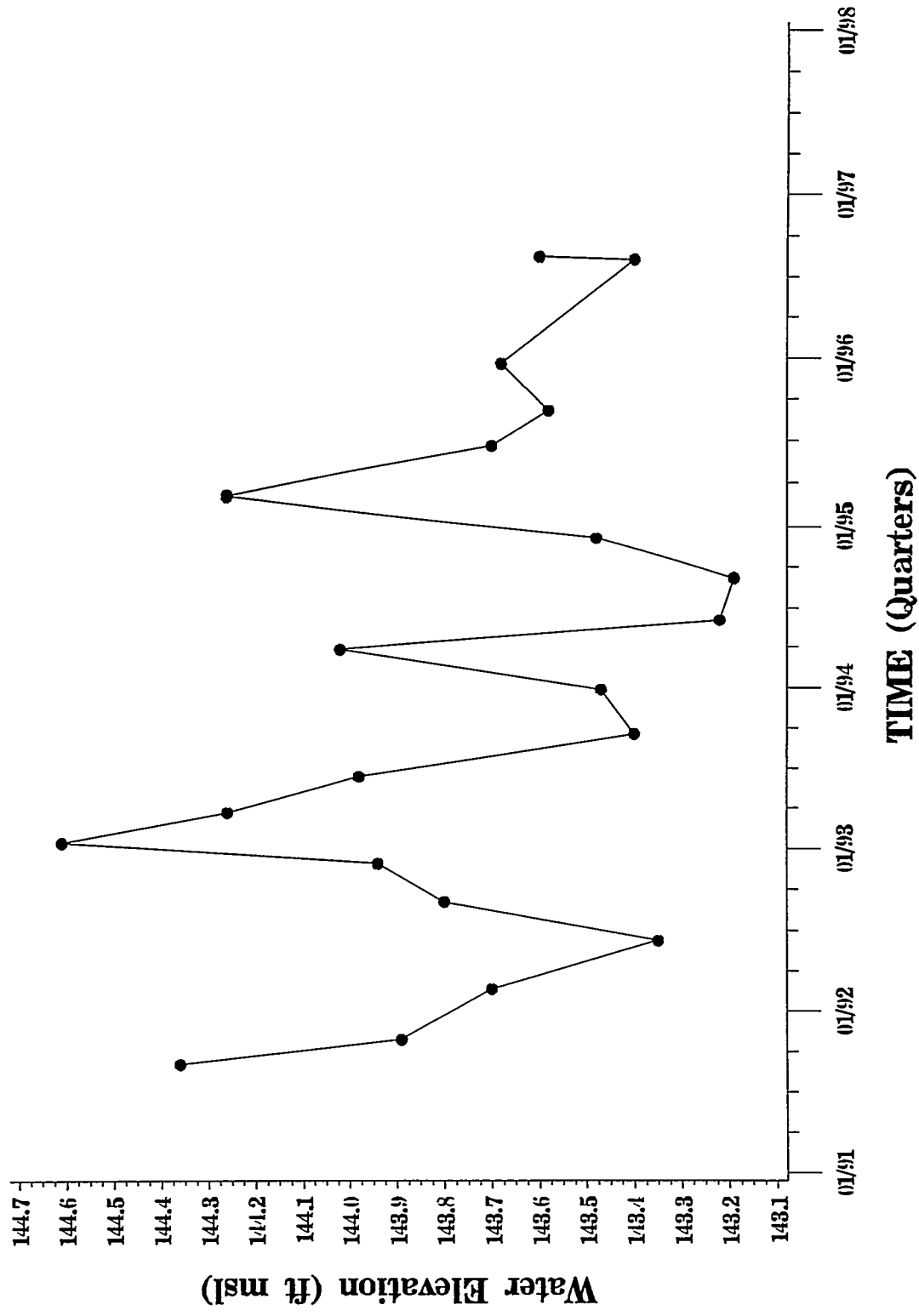
WSRC - TR - 98 - 00006
Unclassified

Hydrograph
WELL LFW 57C



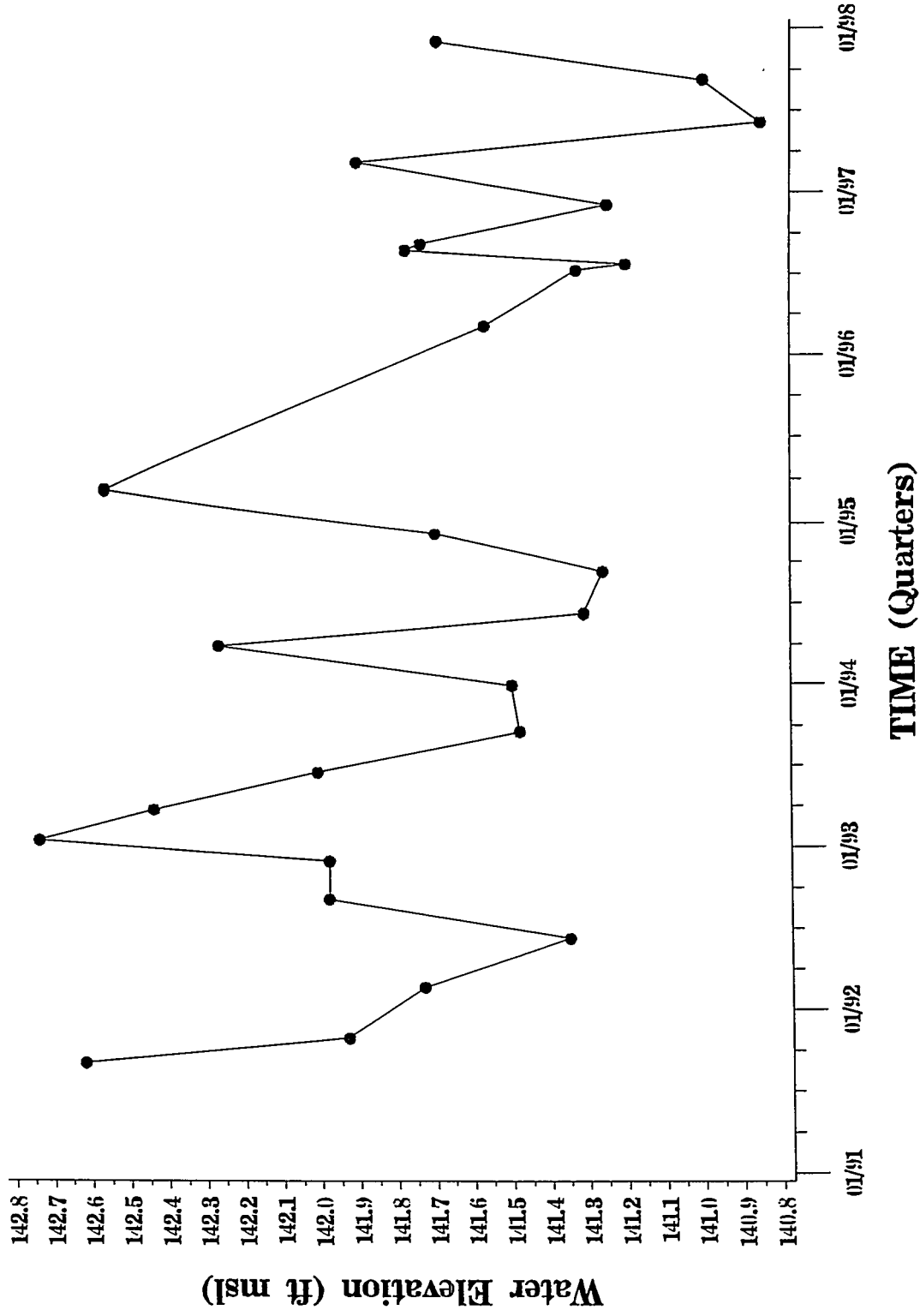
Hydrograph
WELL LFW 57D

WSRC - TR - 98 - 00006
Unclassified



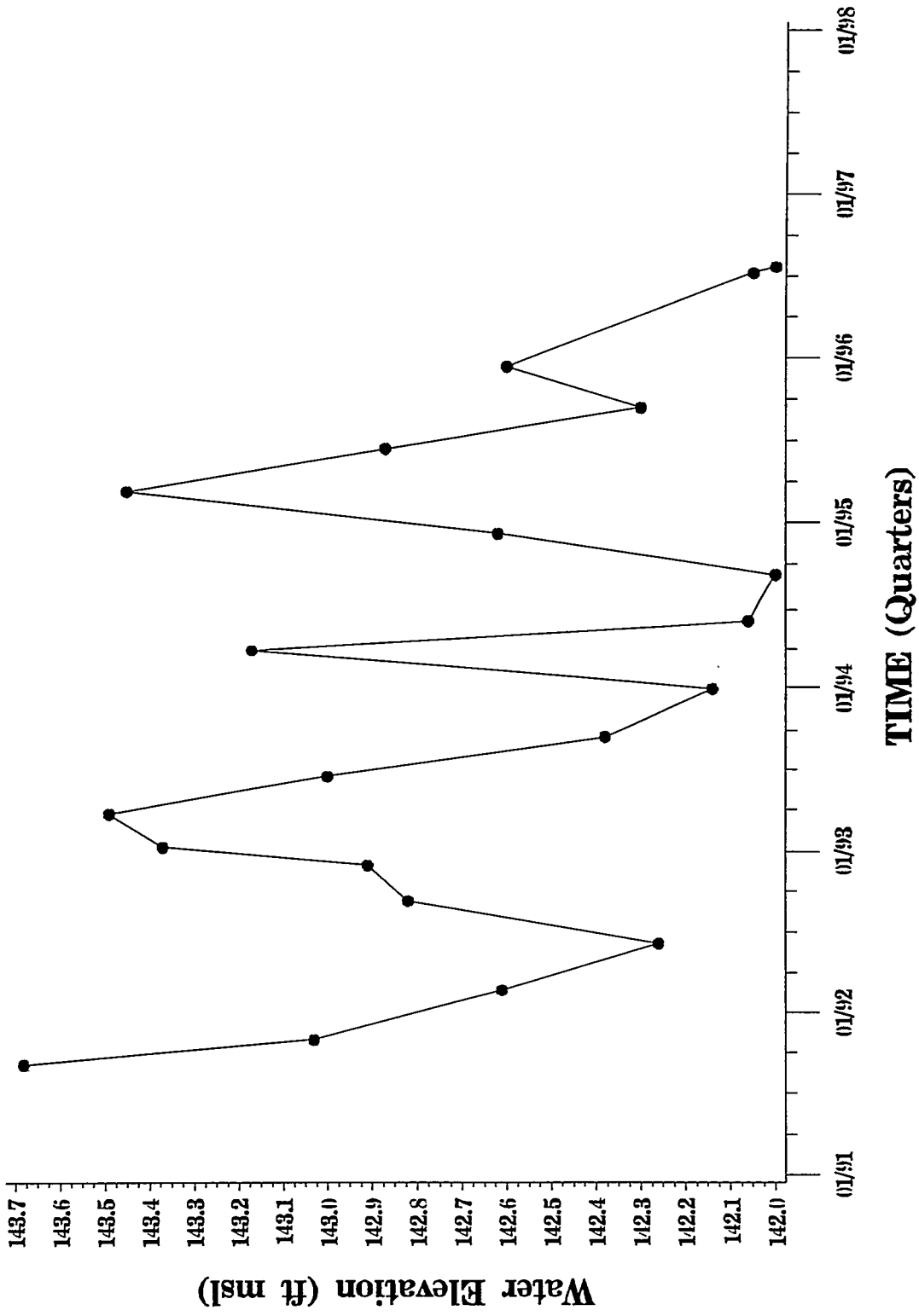
WSRC - TR - 98 - 00006
Unclassified

Hydrograph
WELL LFW 58D



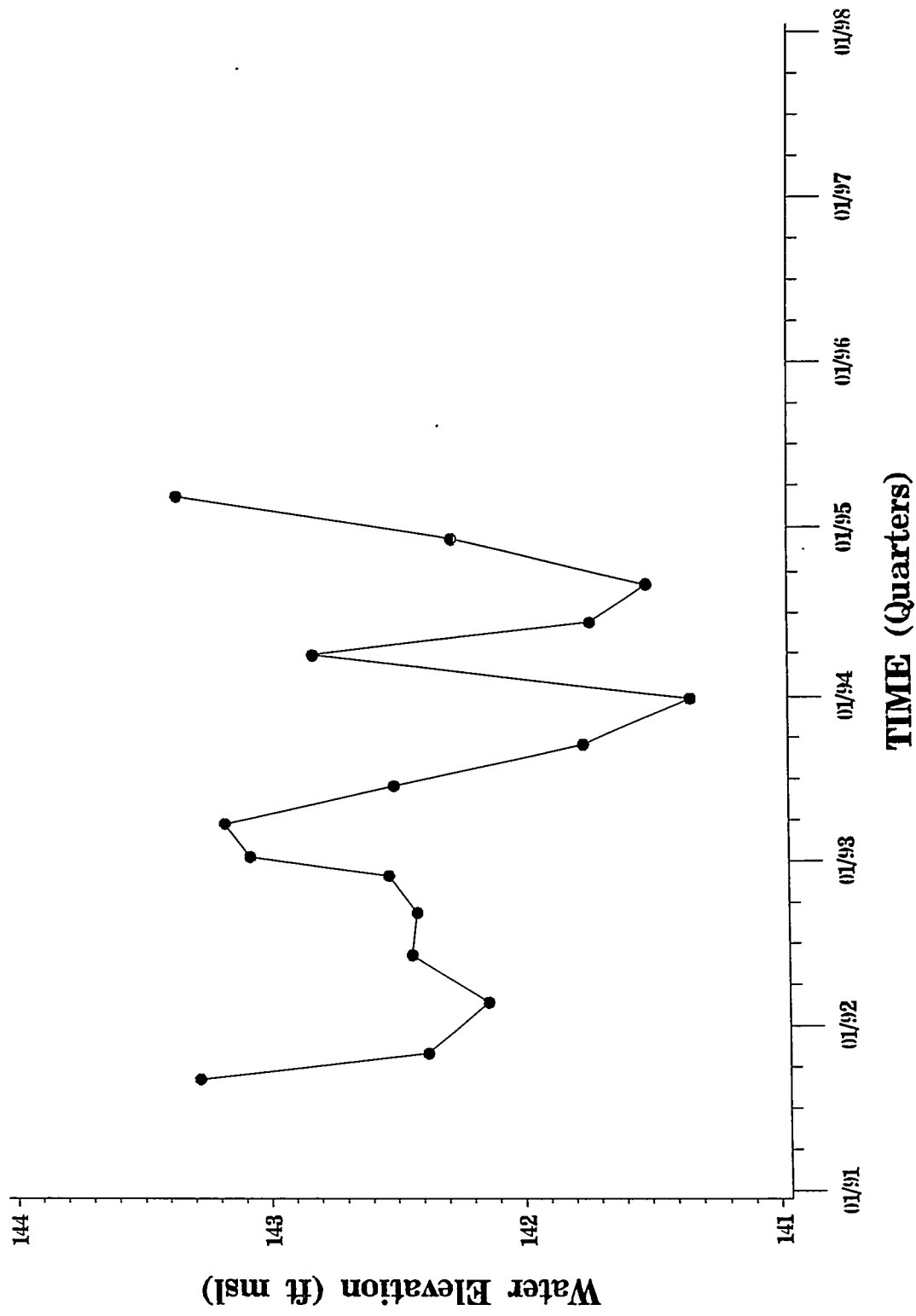
WSRC-TR-98-00006
Unclassified

Hydrograph
WELL LFW 59BD



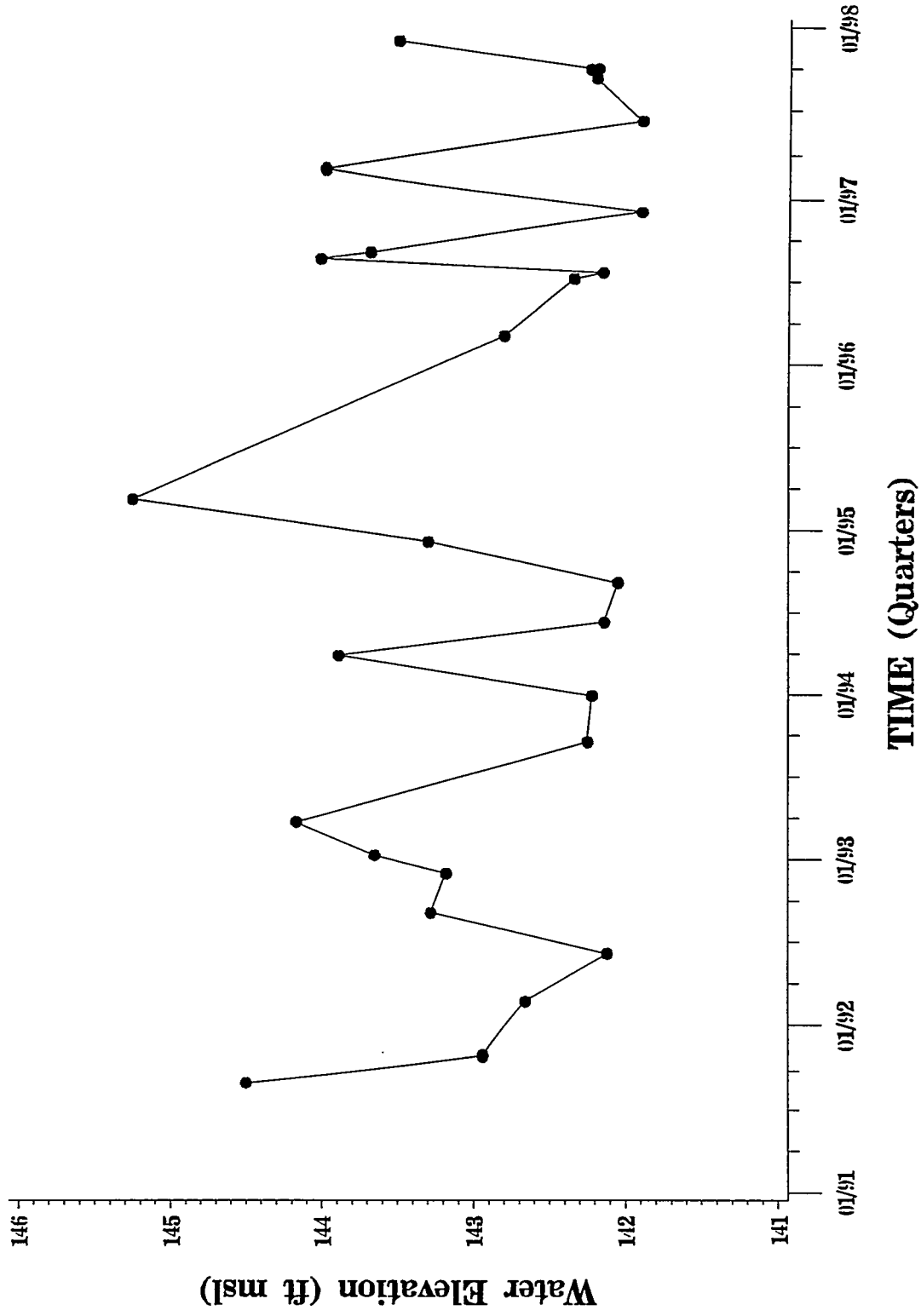
WSRC - TR - 98 - 00006
Unclassified

Hydrograph
WELL LFW 59C



Hydrograph
WELL LFW 59D

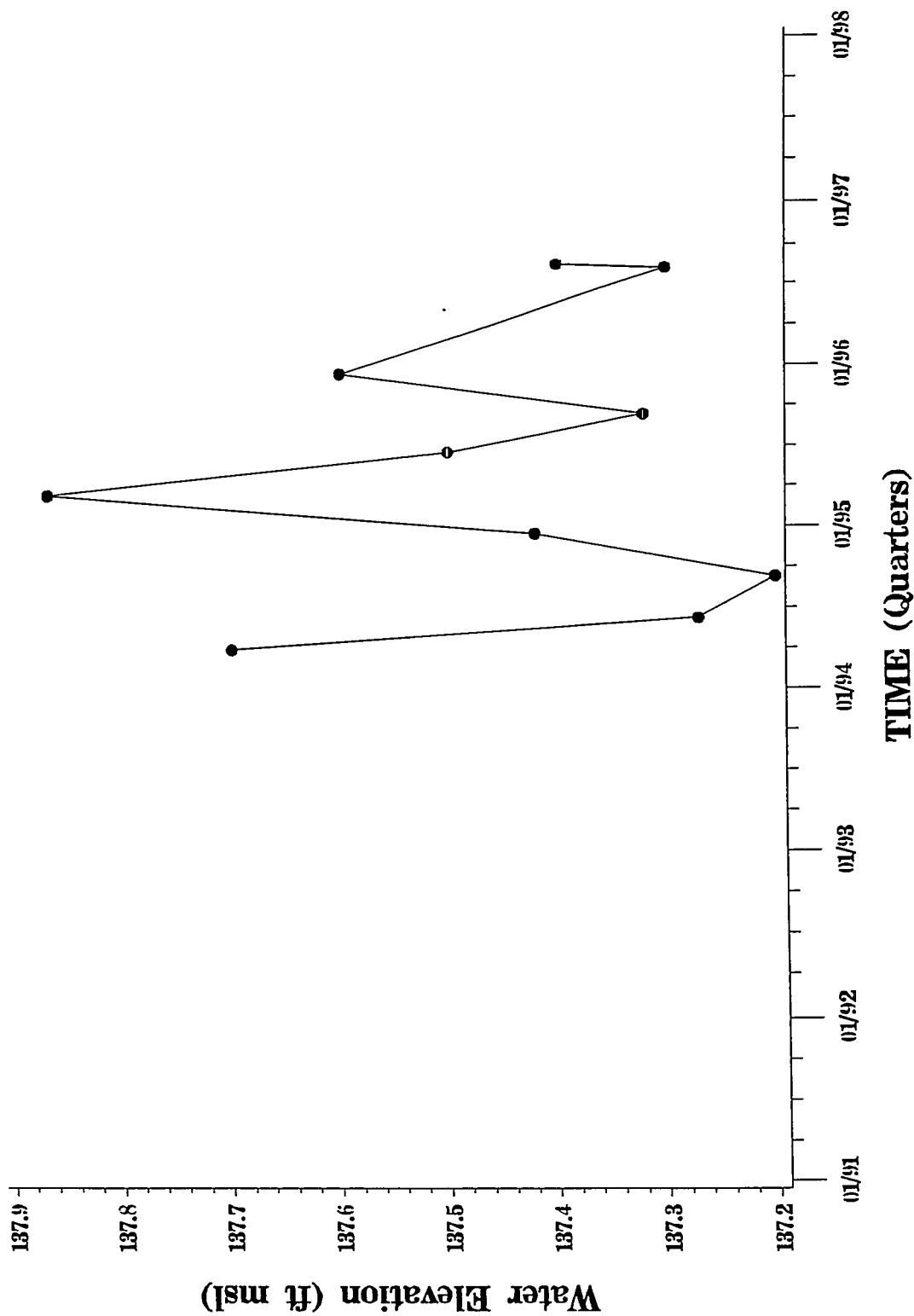
WSRC -- TR -- 98 -- 000006
Unclassified



Sanitary Landfill

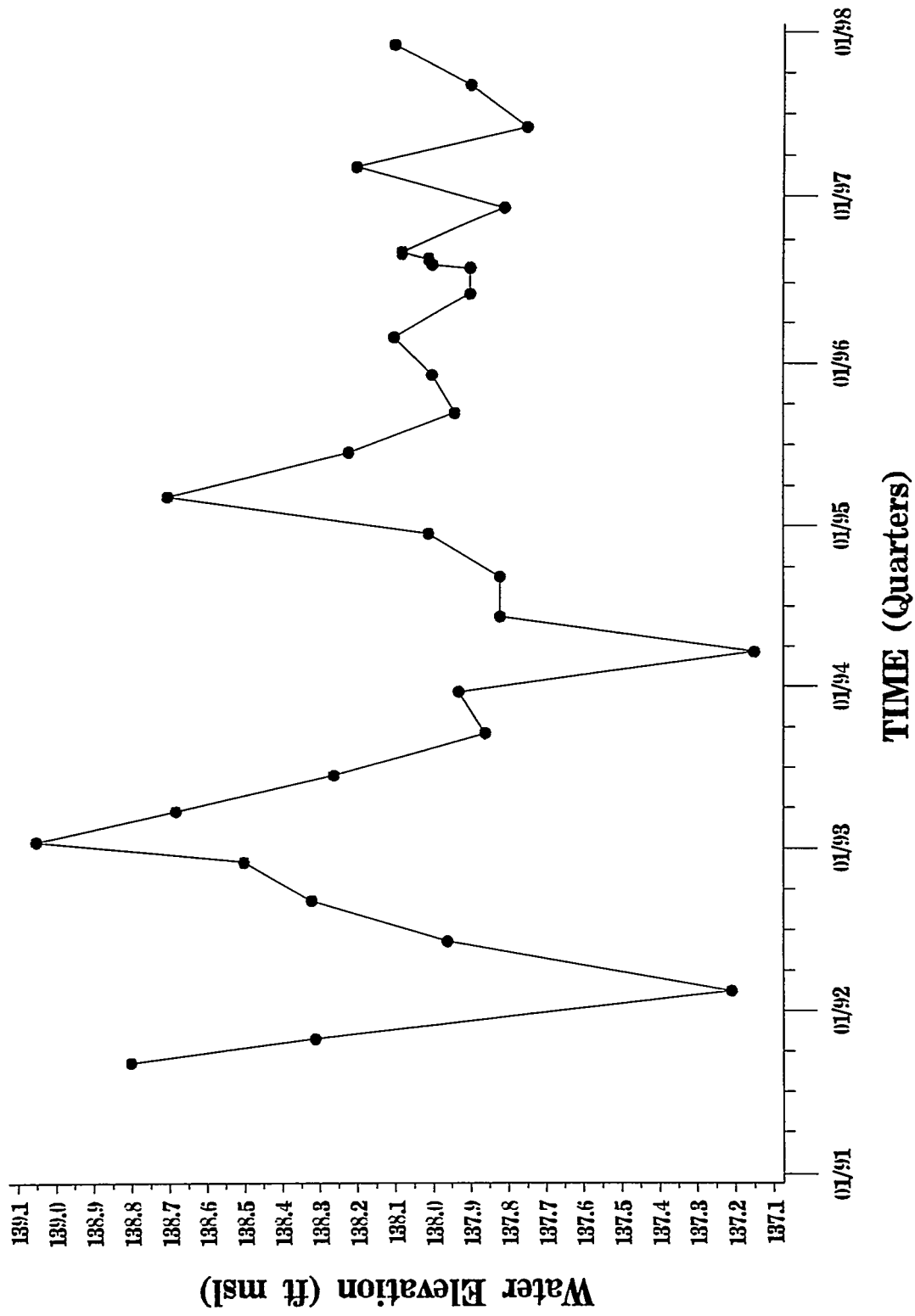
Fourth Quarter, 1997 & 1997 Summary

Hydrograph
WELL LFW 60B
WSRC - TR - 98 - 00006
Unclassified



WSRC - TR - 98 - 00006
Unclassified

Hydrograph
WELL LFW 60D



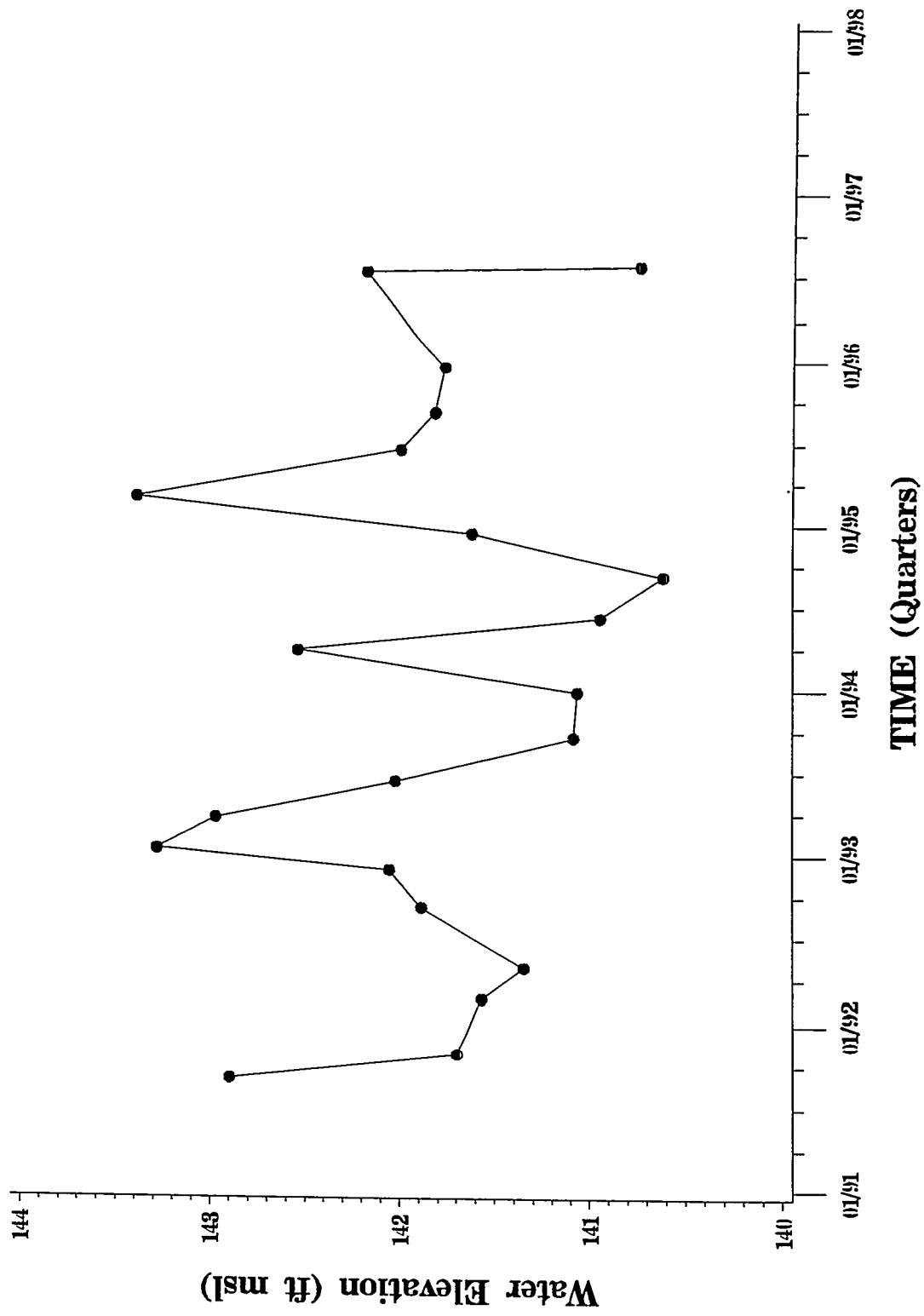
Sanitary Landfill

Fourth Quarter, 1997 & 1997 Summary

Hydrograph
WELL LFW 61C

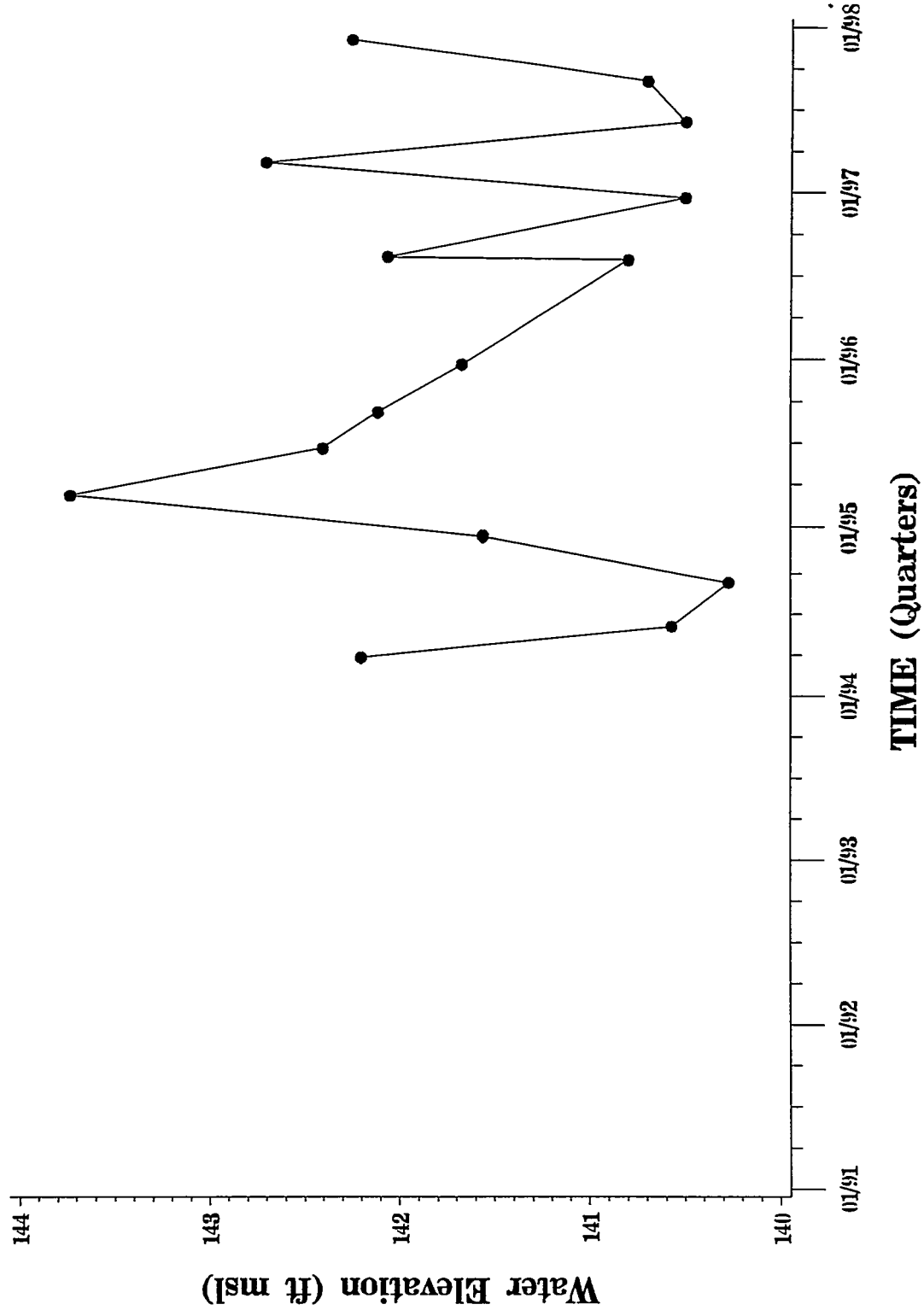
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Unclassified



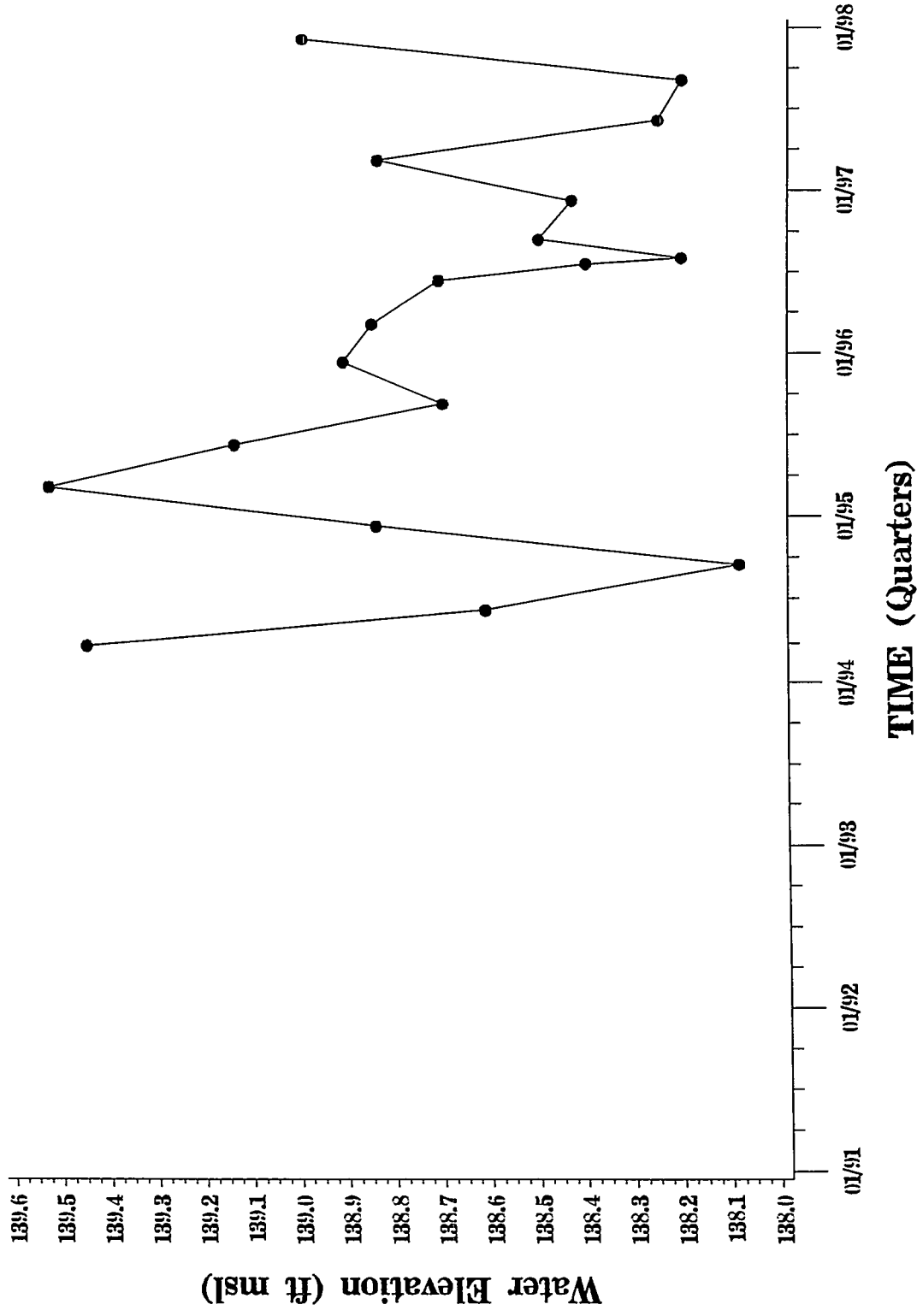
Hydrograph
WELL LFW 66D

WSRC--TR--98--000006
Unclassified



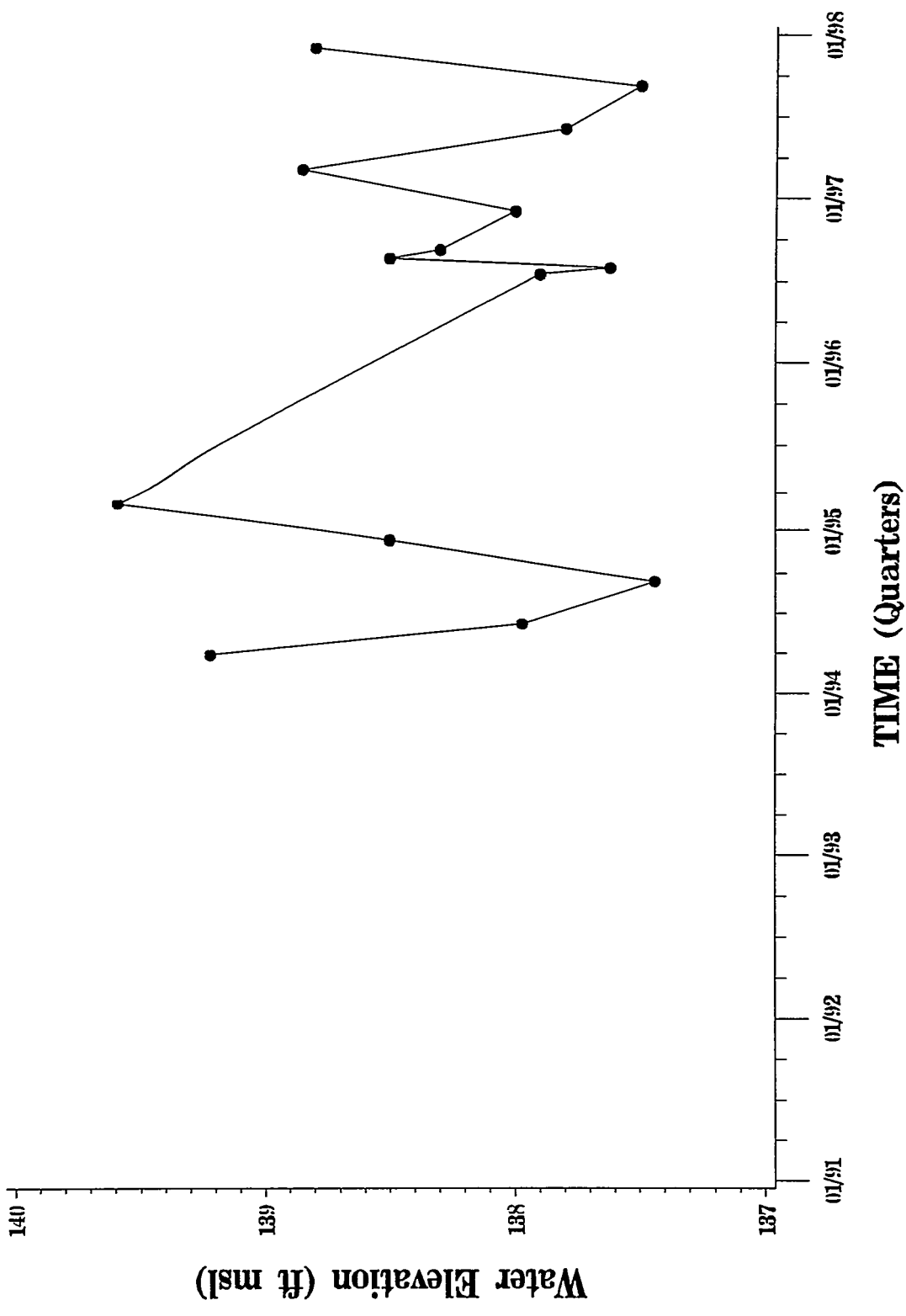
Hydrograph
WELL LFW 67B

WSRC - TR - 98 - 00006
Unclassified



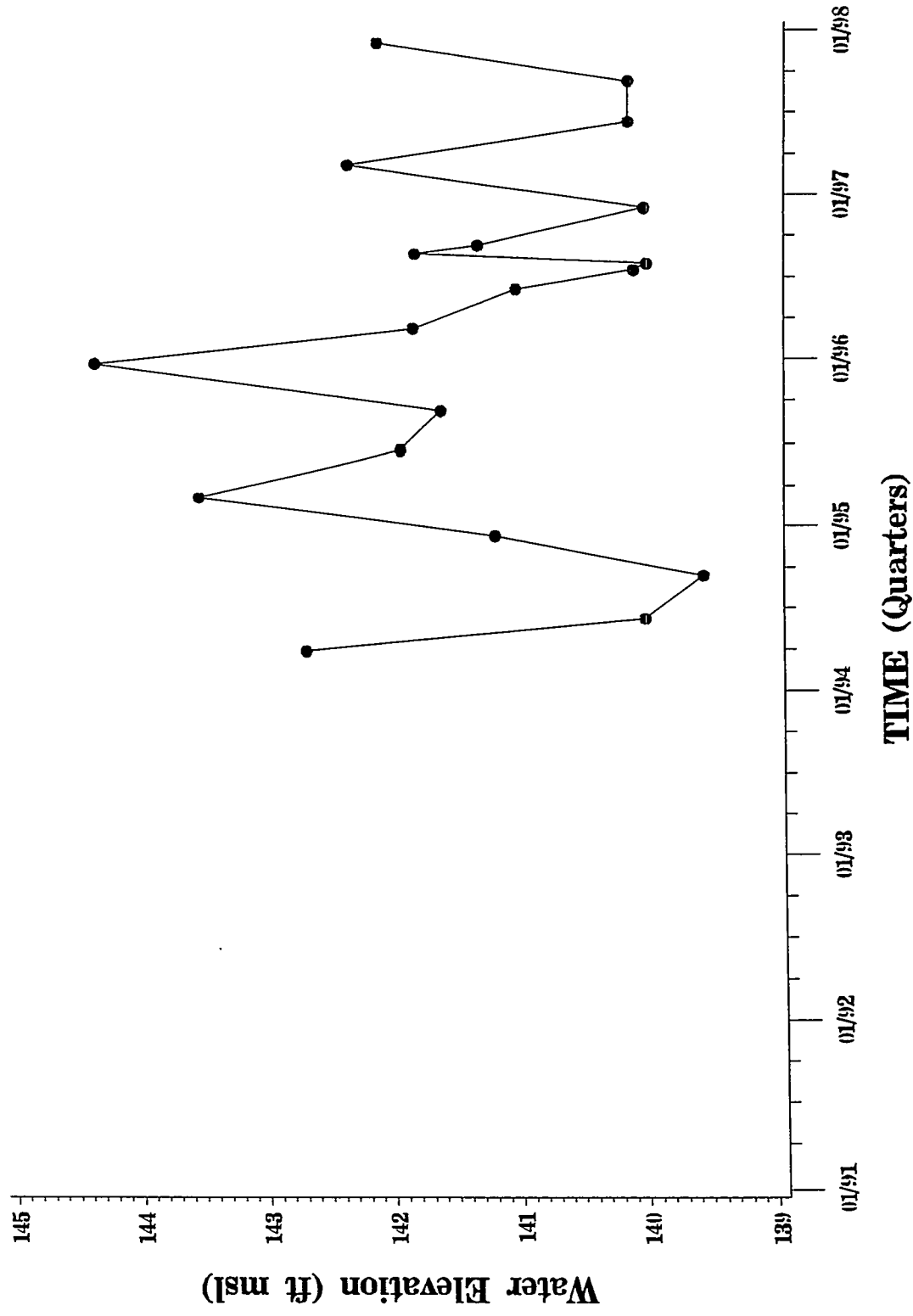
Hydrograph
WELL LFW 67C

WSRC - TR - 98 - 00006
Unclassified



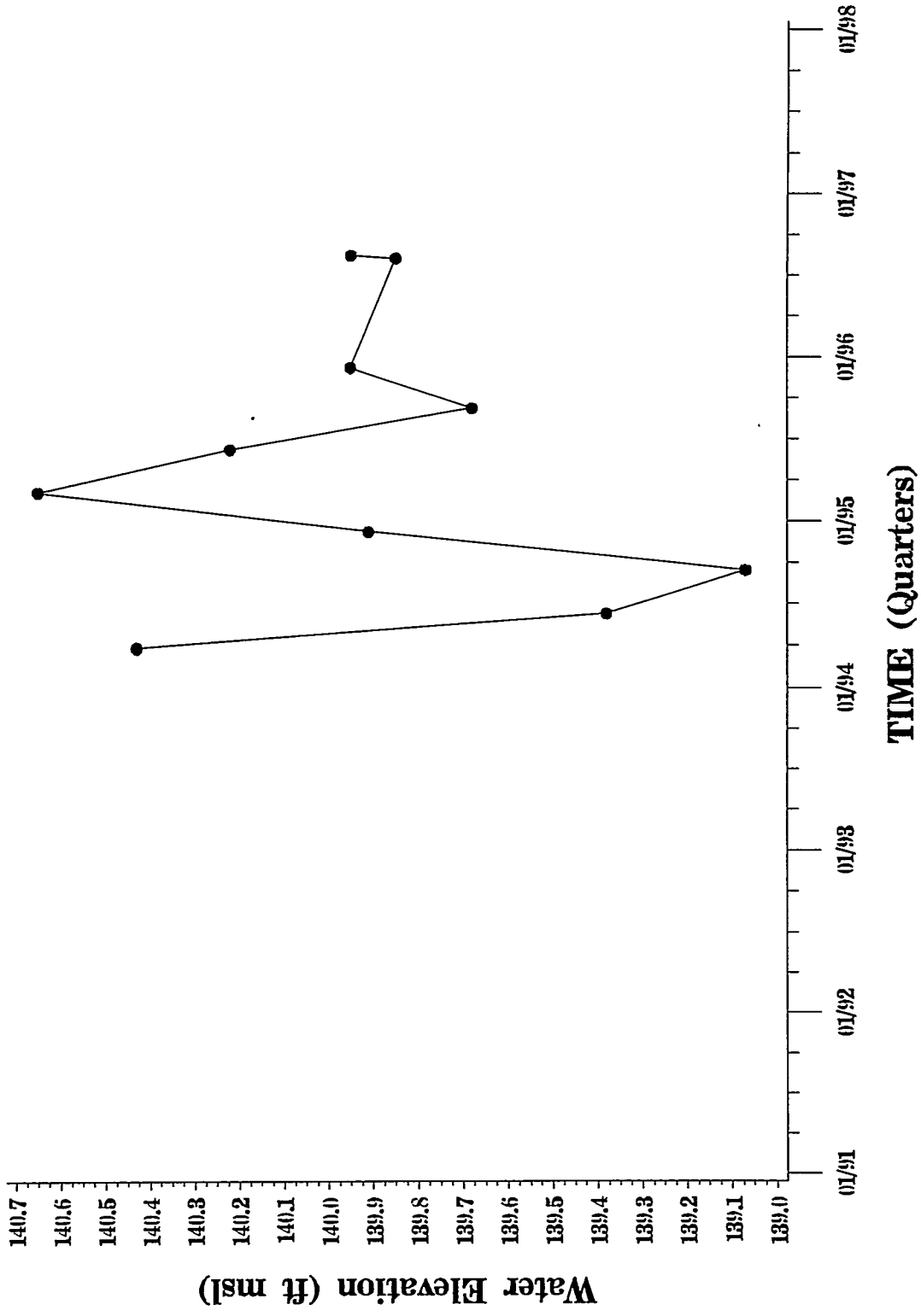
Hydrograph
WELL LFW 67D

WSRC - TR - 98 - 00006
Unclassified



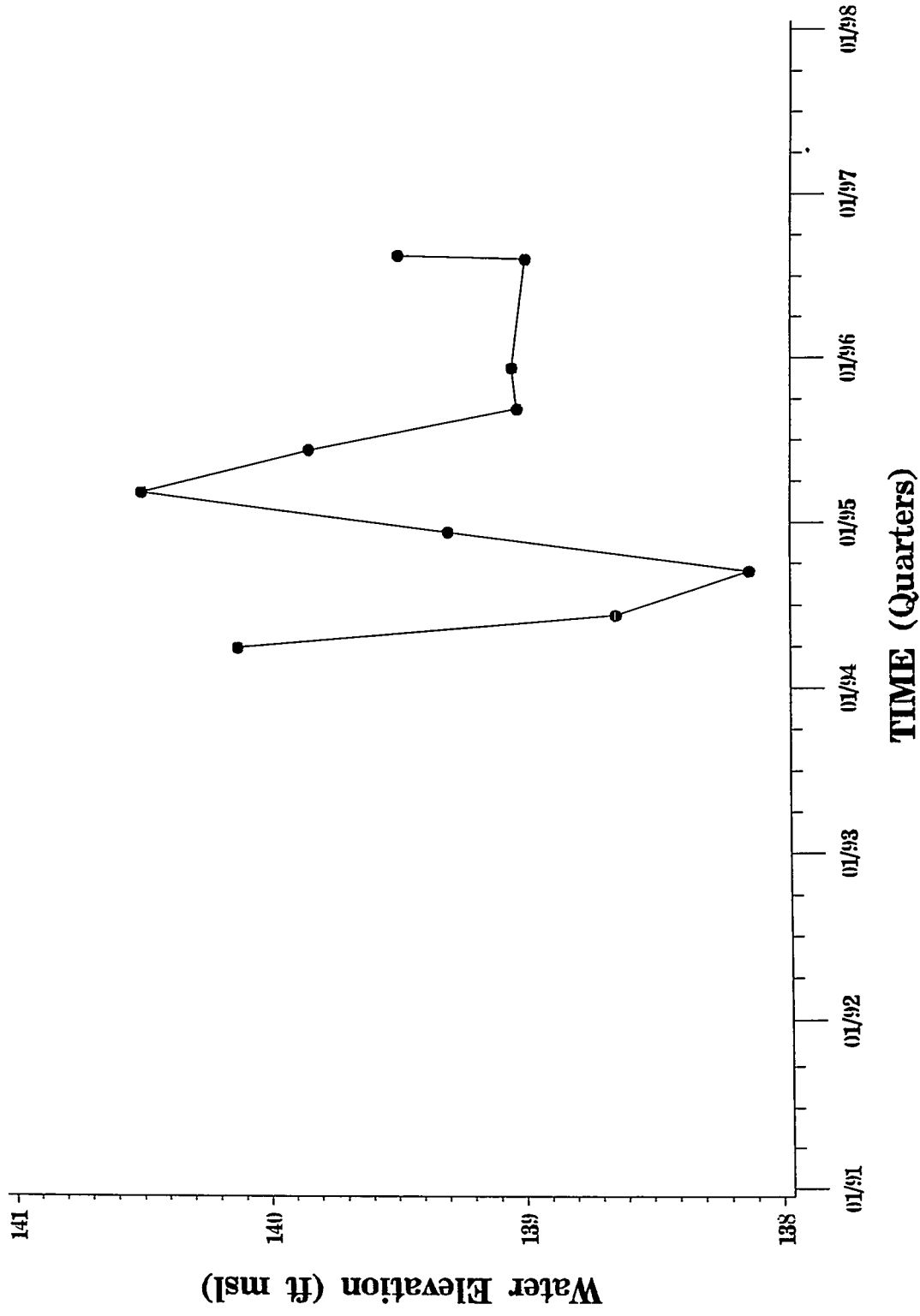
WSRC - TR - 98 - 00006
Unclassified

Hydrograph
WELL LFW 68B



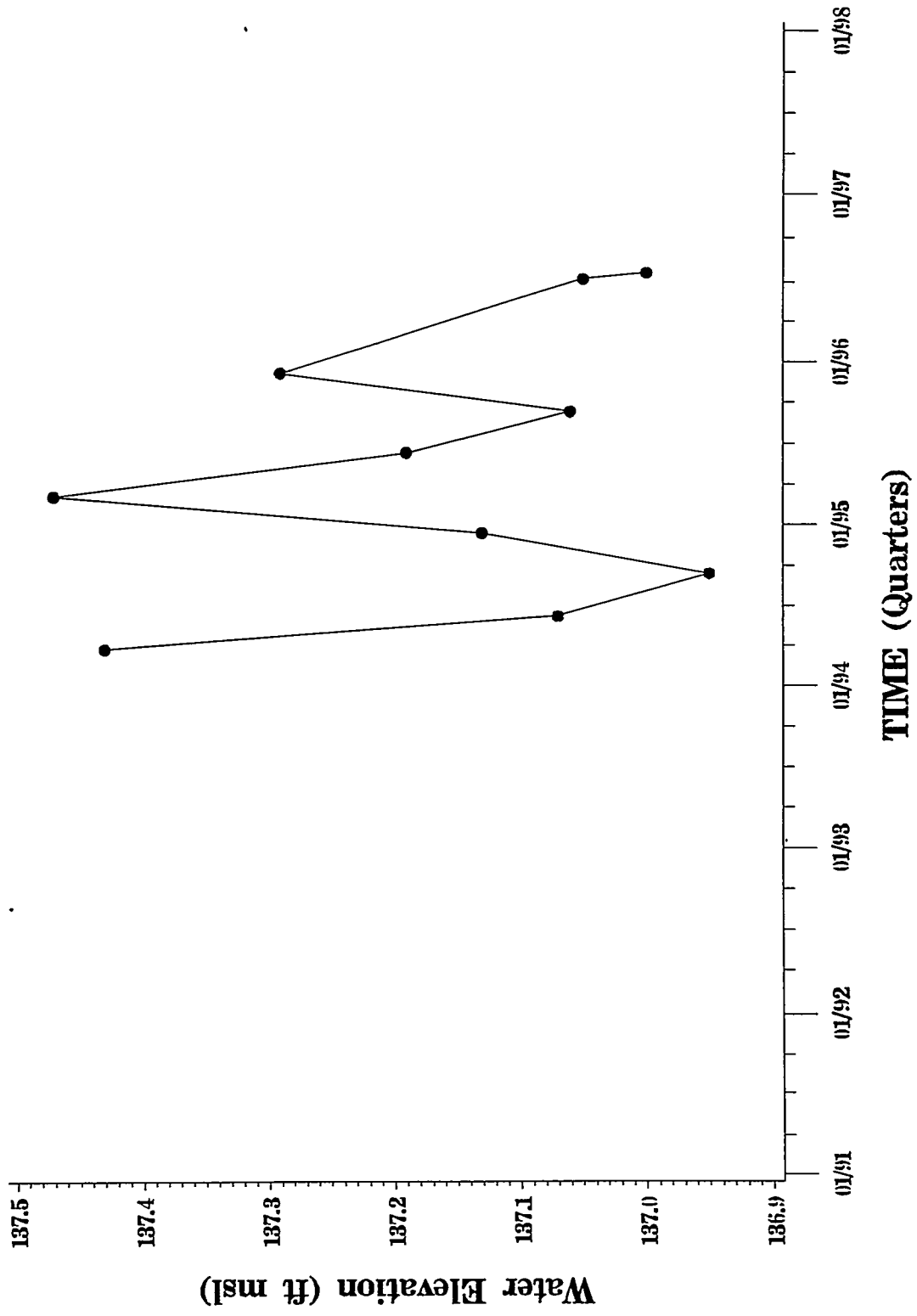
Hydrograph
WELL LFW 68C

WSRC - TR - 98 - 00006
Unclassified

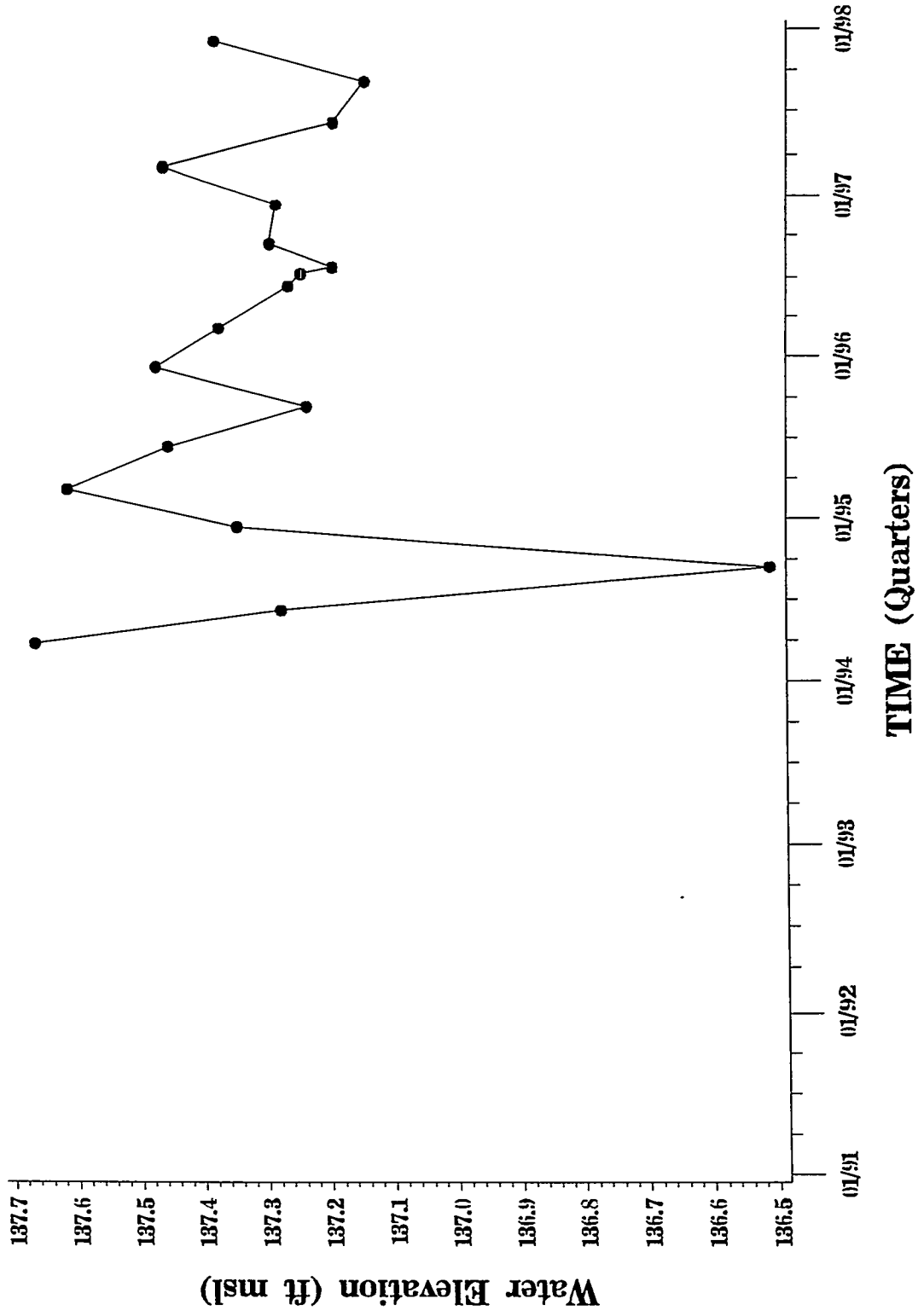


WSRC - TR - 98 - 00006
Unclassified

Hydrograph
WELL LFW 69B

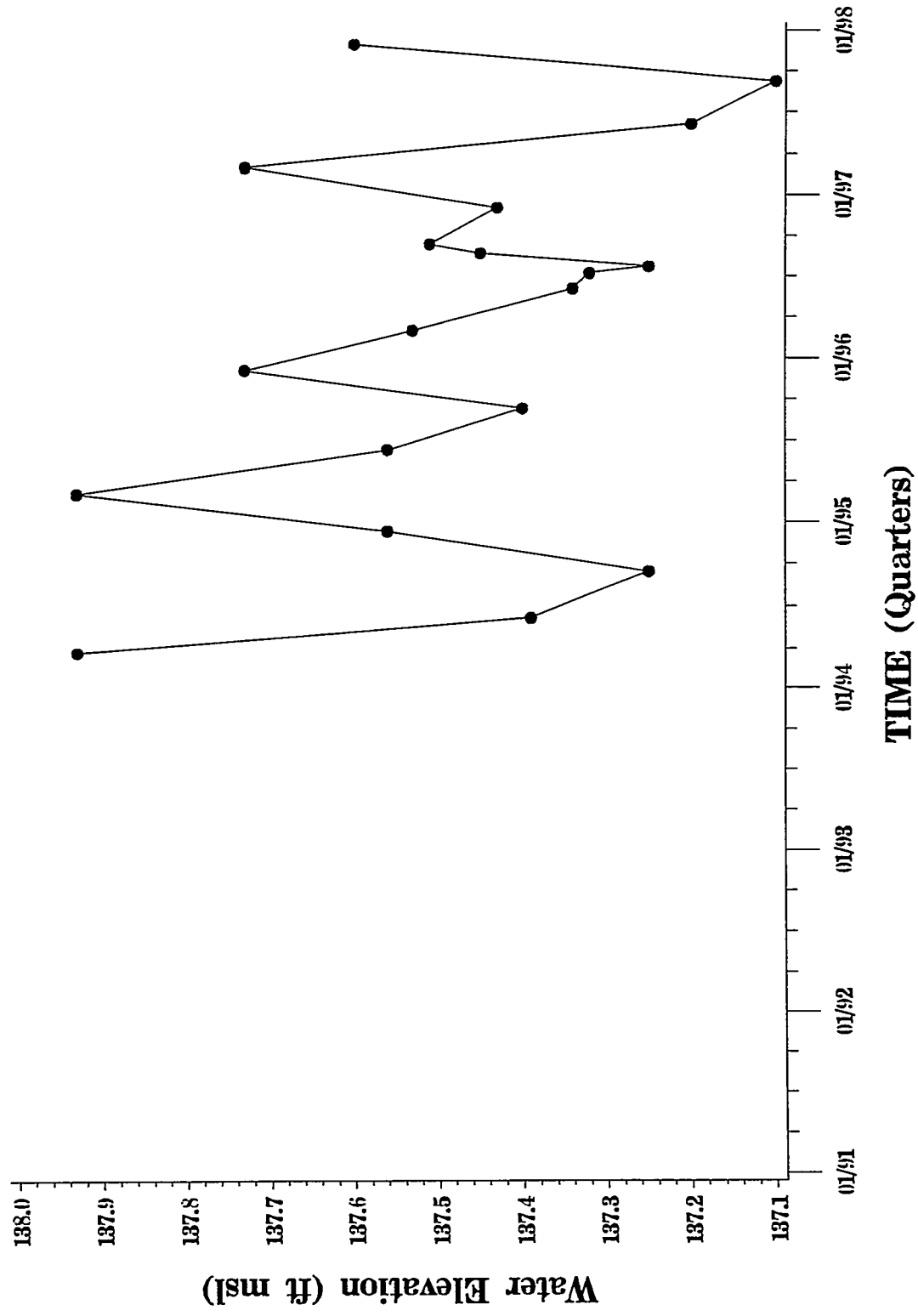


Hydrograph
WELL LFW 69C
WSRC - TR - 98 - 00006
Unclassified

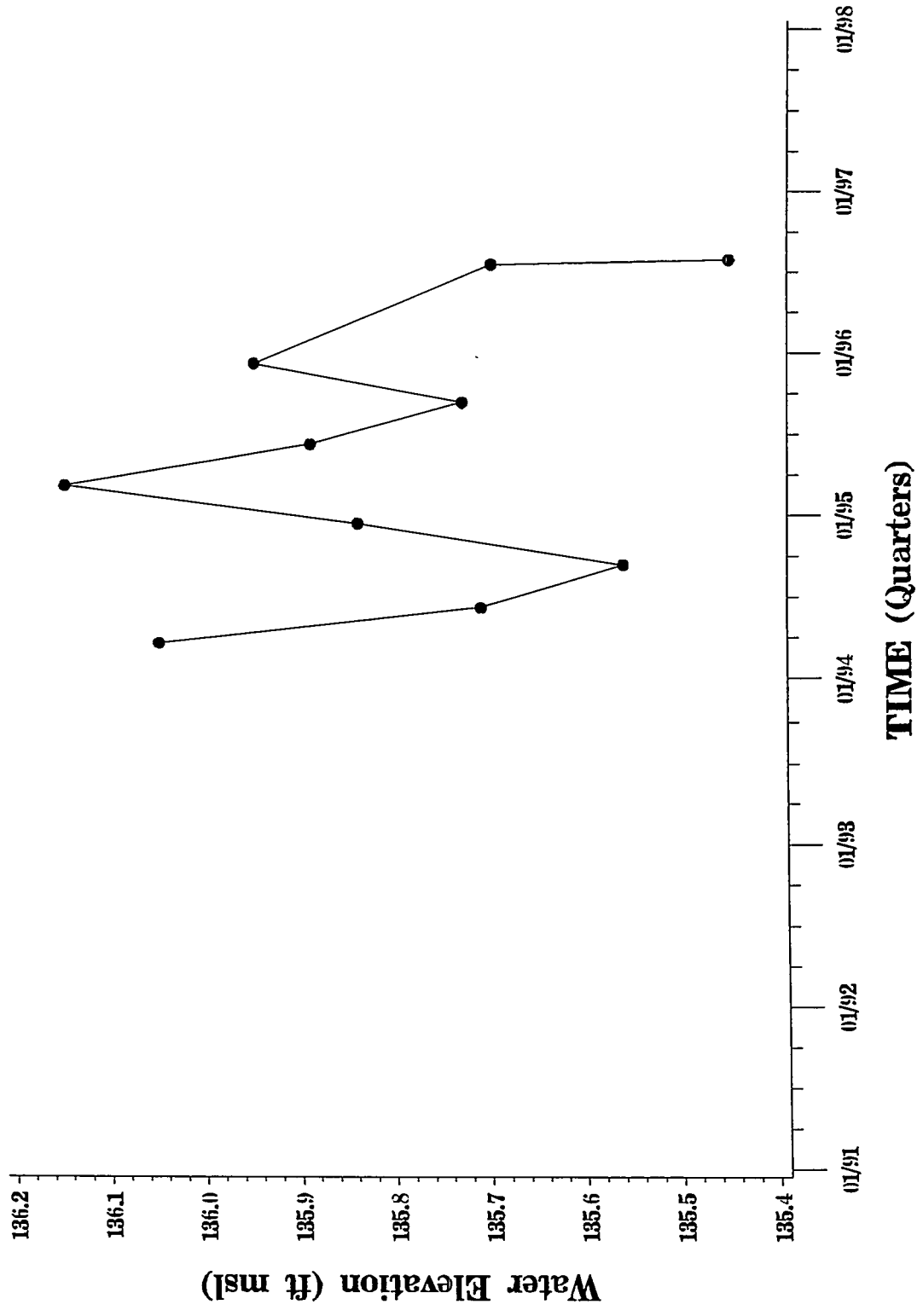


WSRC - TR - 98 - 000006
Unclassified

Hydrograph
WELL LFW 69D

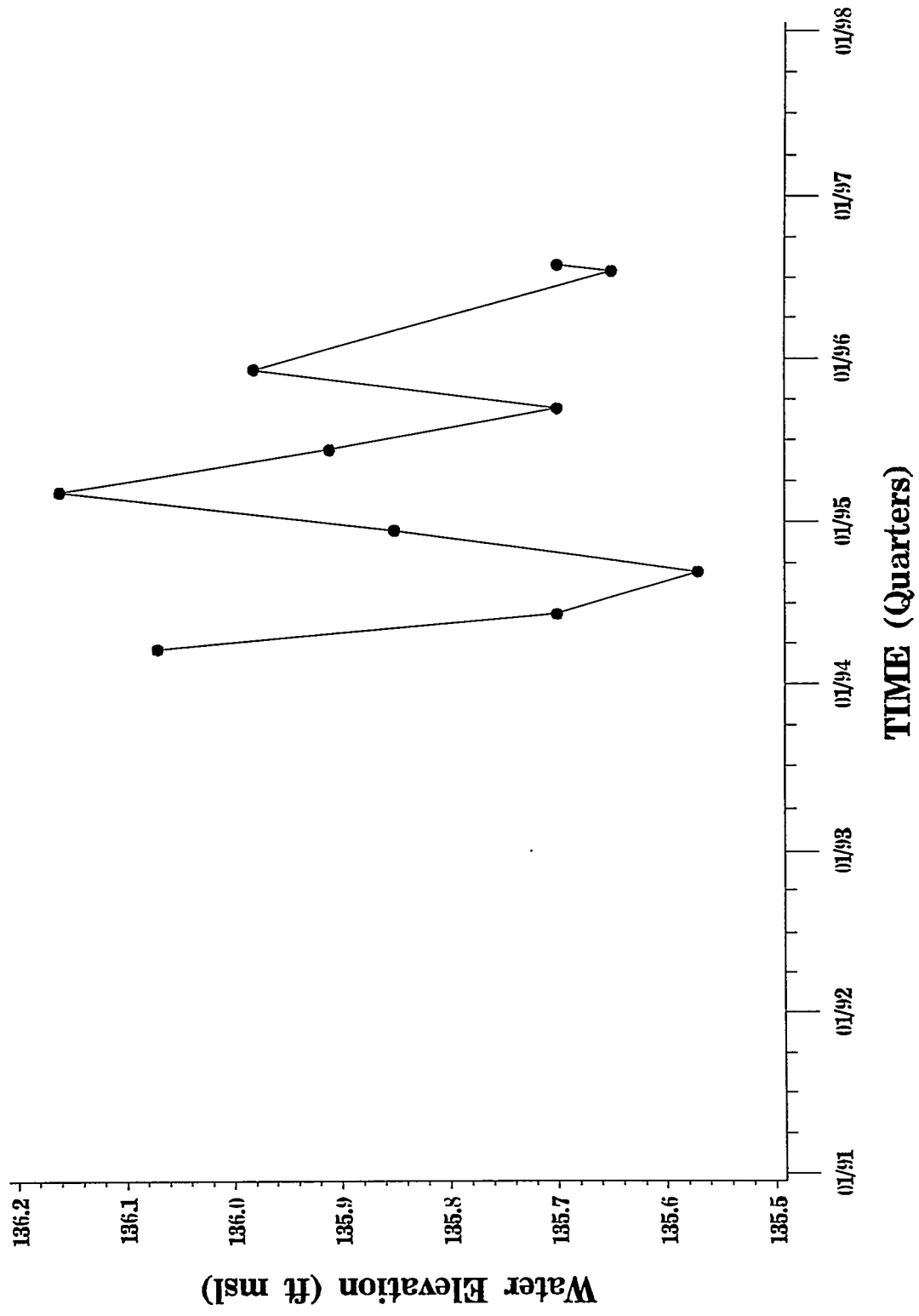


Hydrograph
WELL LFW 70B
WSRC - TR - 98 - 00006
Unclassified



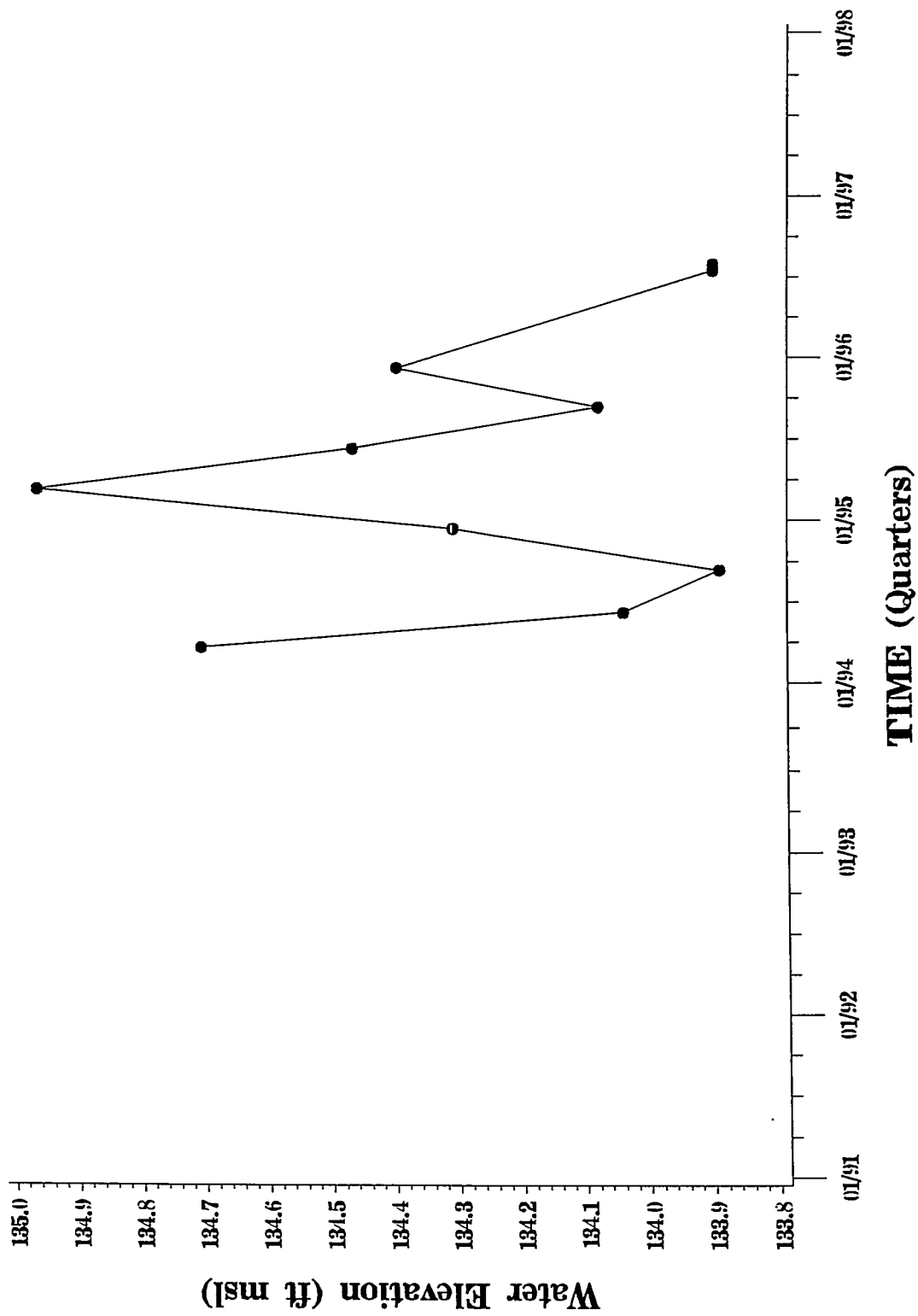
Hydrograph
WELL LFW 70C

WSRC - TR - 98 - 00006
Unclassified



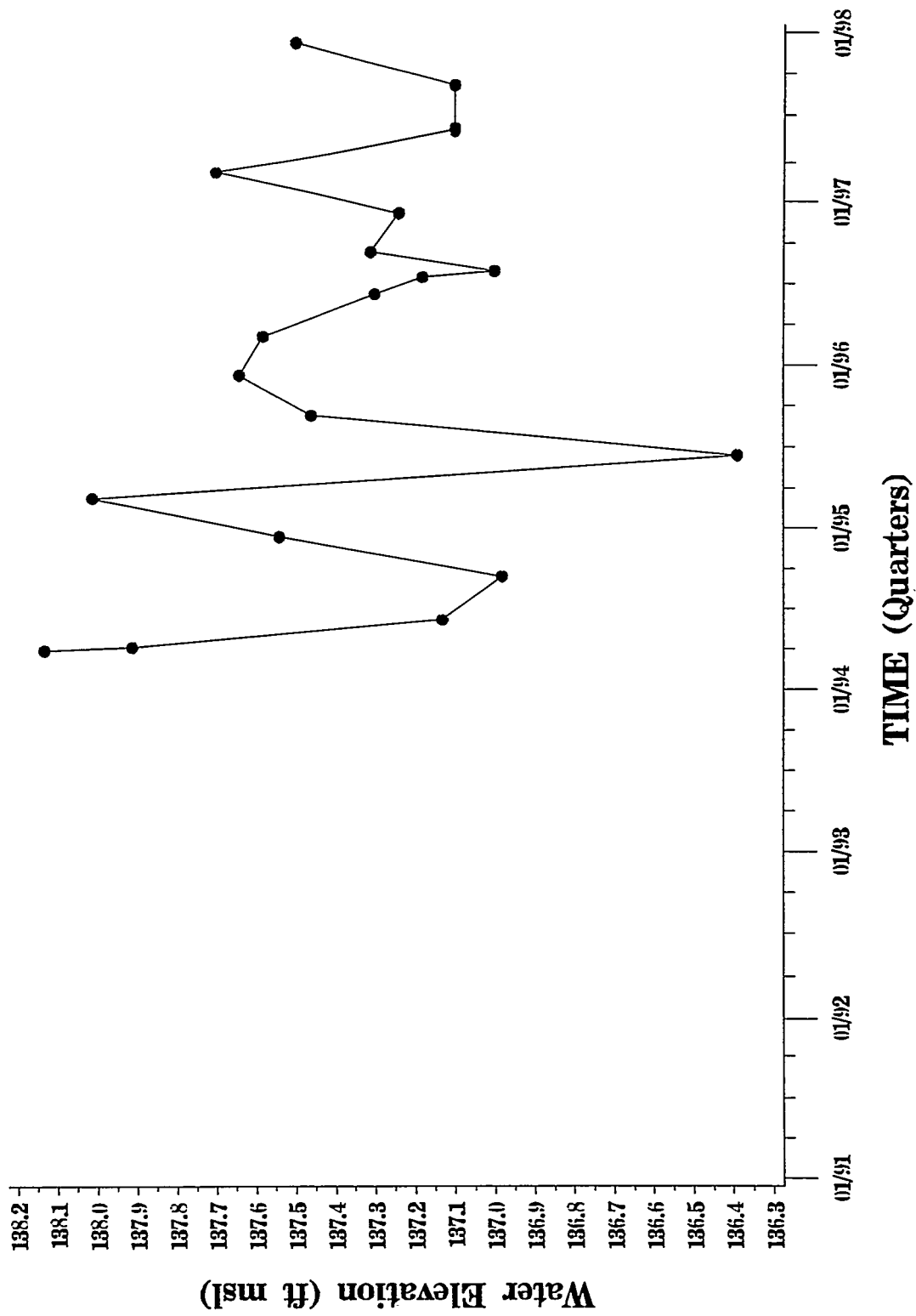
Hydrograph WELL LFW 70D

WSRC - TR - 98 - 00006
Unclassified



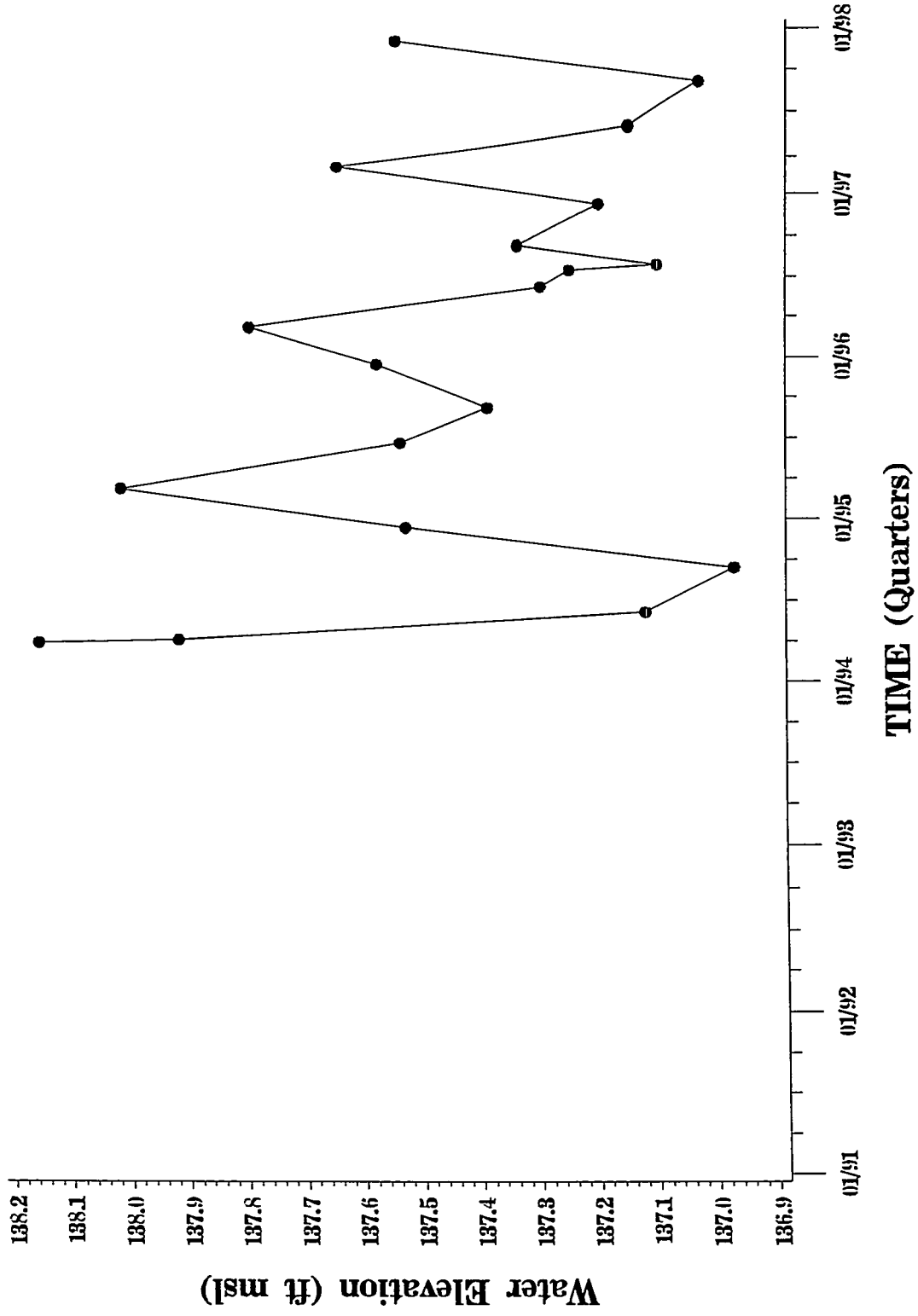
Hydrograph
WELL LFW 71B

WSRC-TR-98-00006
Unclassified



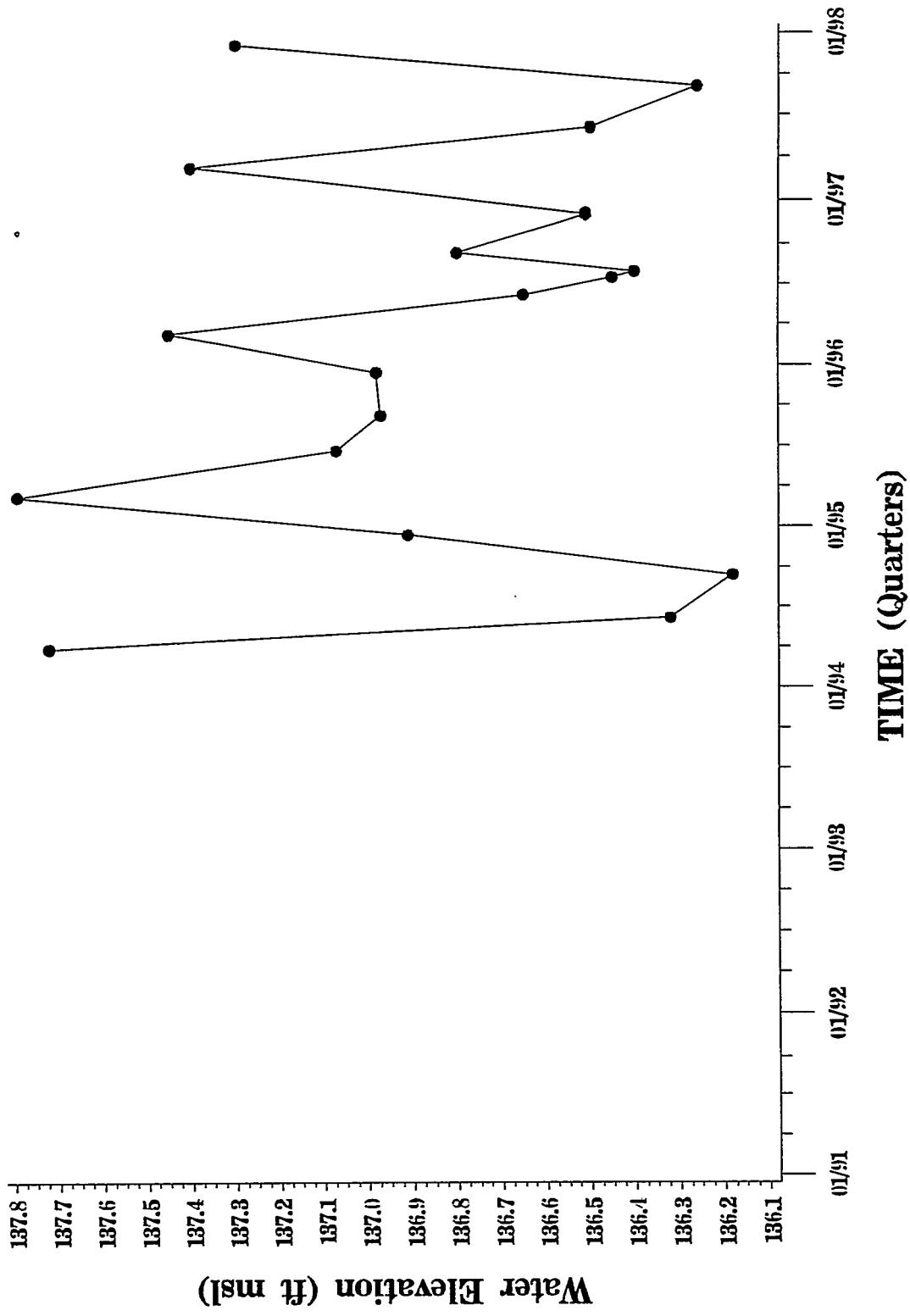
Hydrograph
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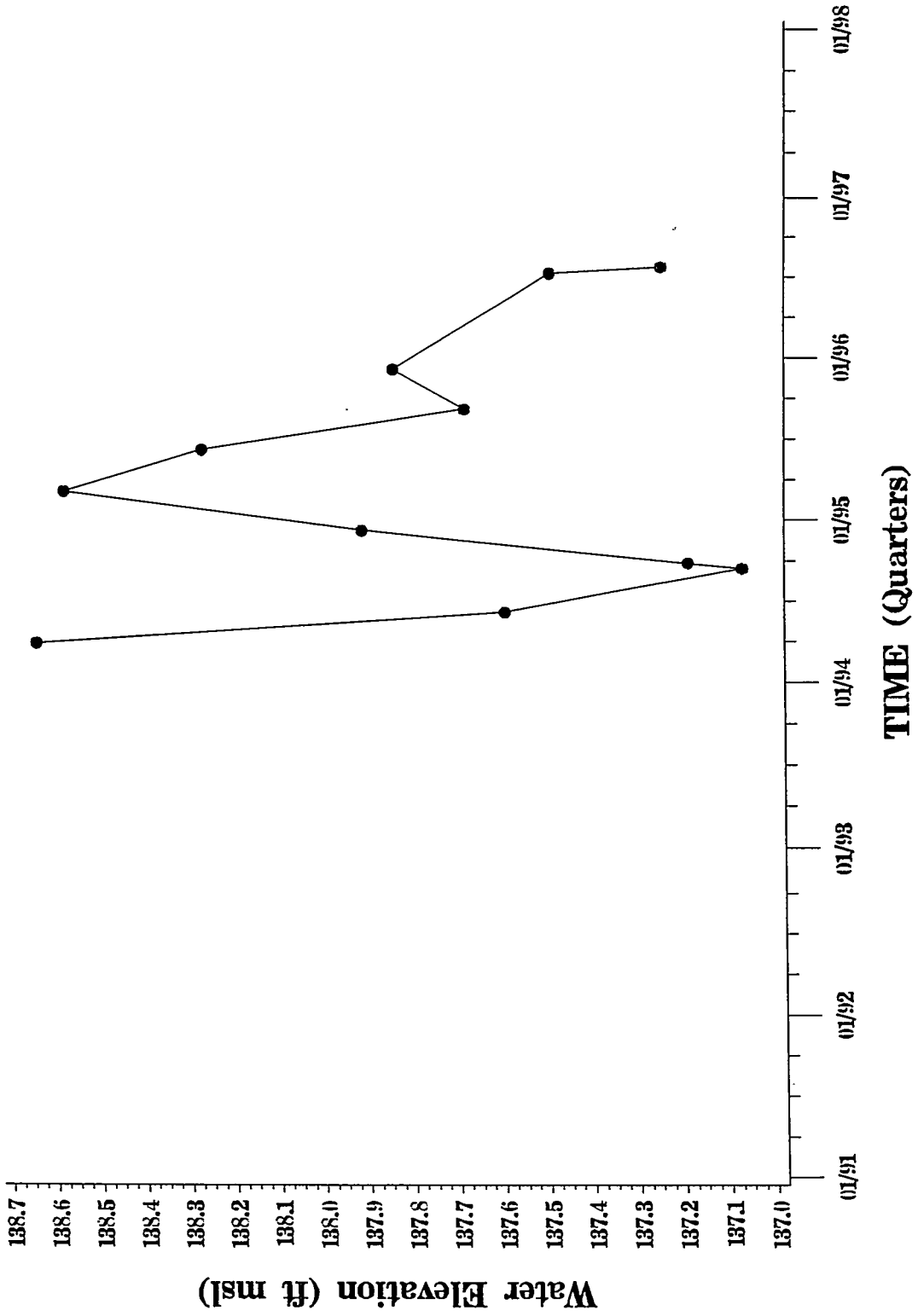


WSRC - TR - 98 - 00006
Unclassified

Hydrograph
WELL LFW 71D

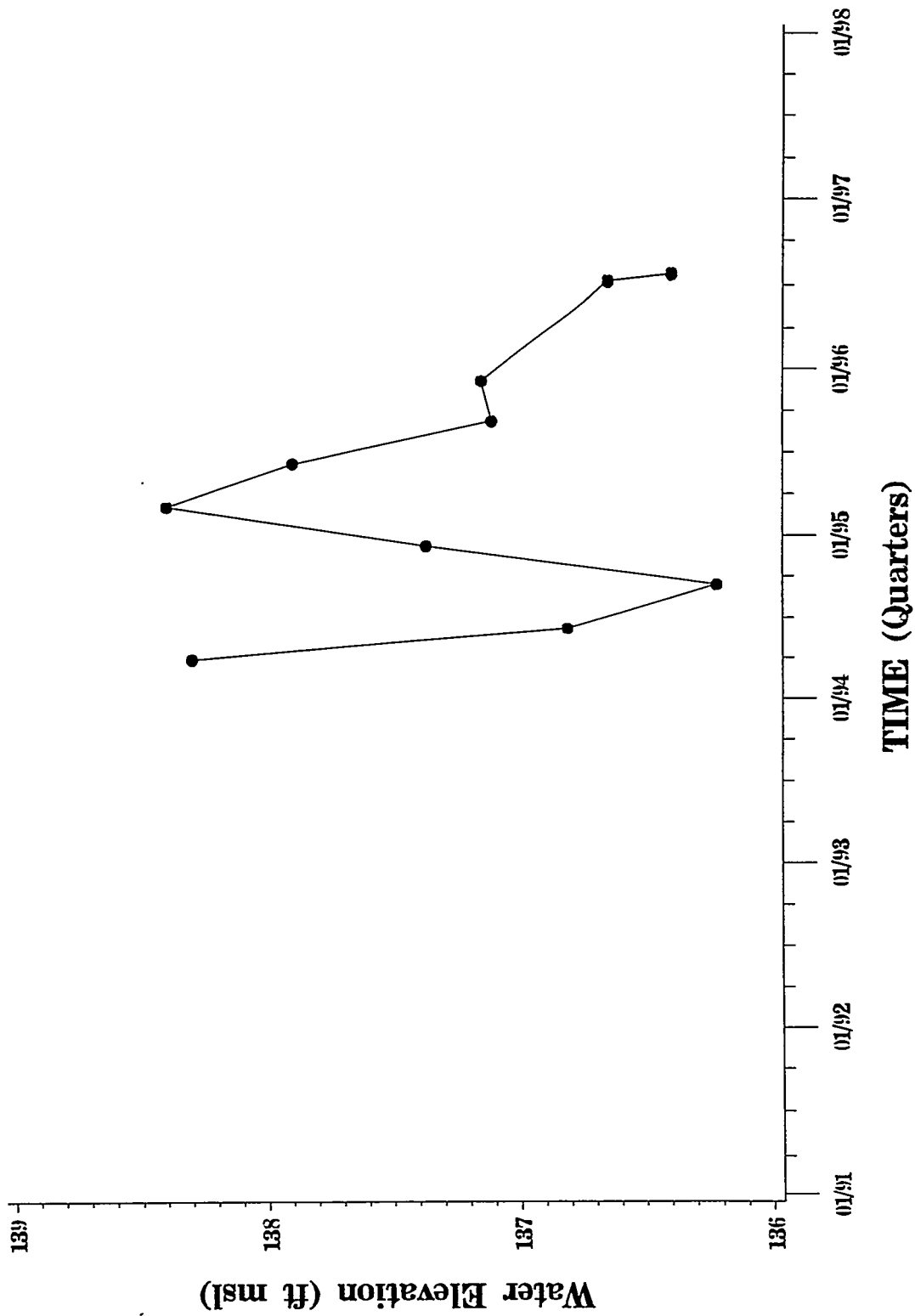


Hydrograph
WELL LFW 72B
WSRC -- TR -- 98 -- 00006
Unclassified



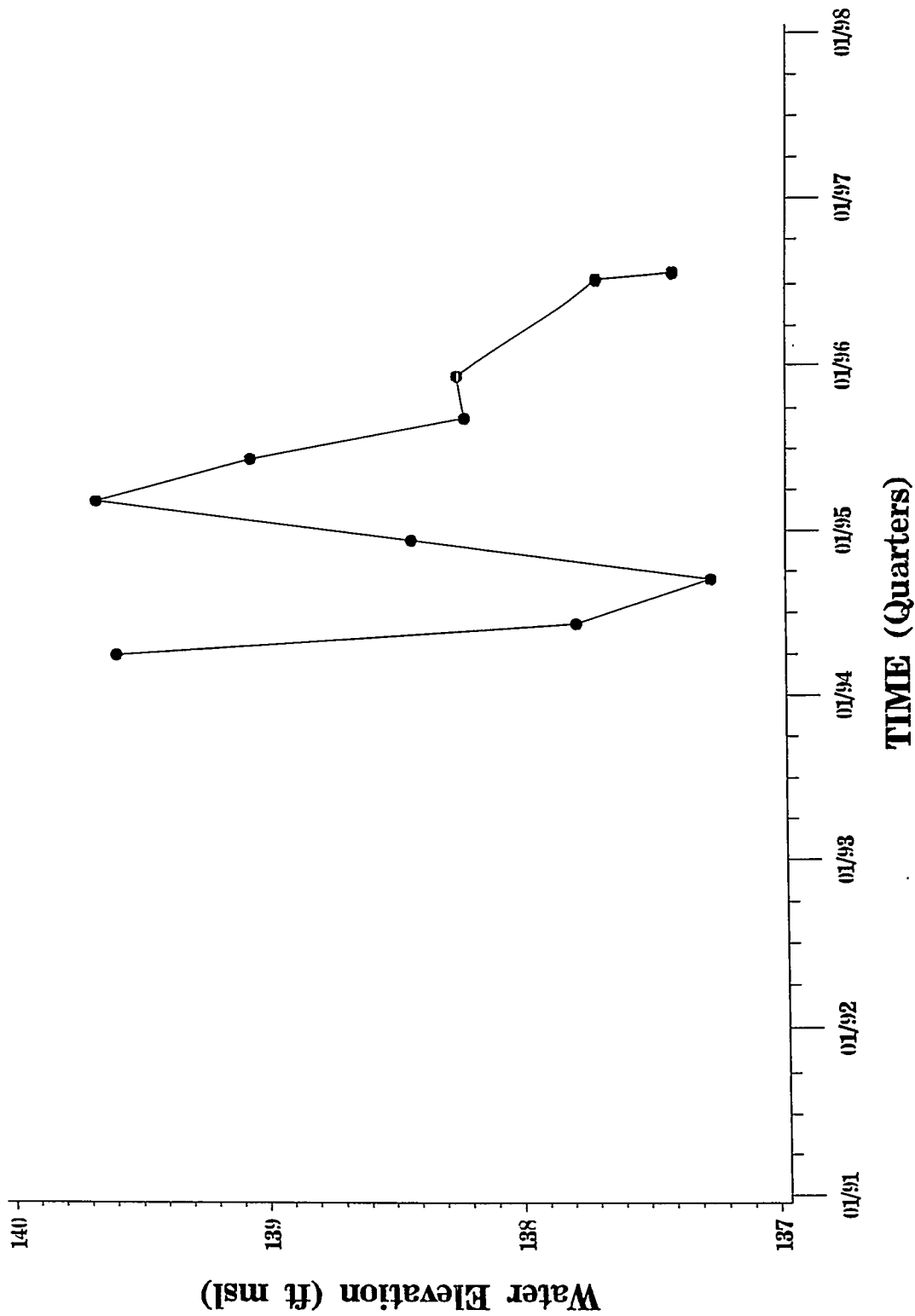
Hydrograph
WELL LFW 72C

WSRC - TR - 98 - 00006
Unclassified



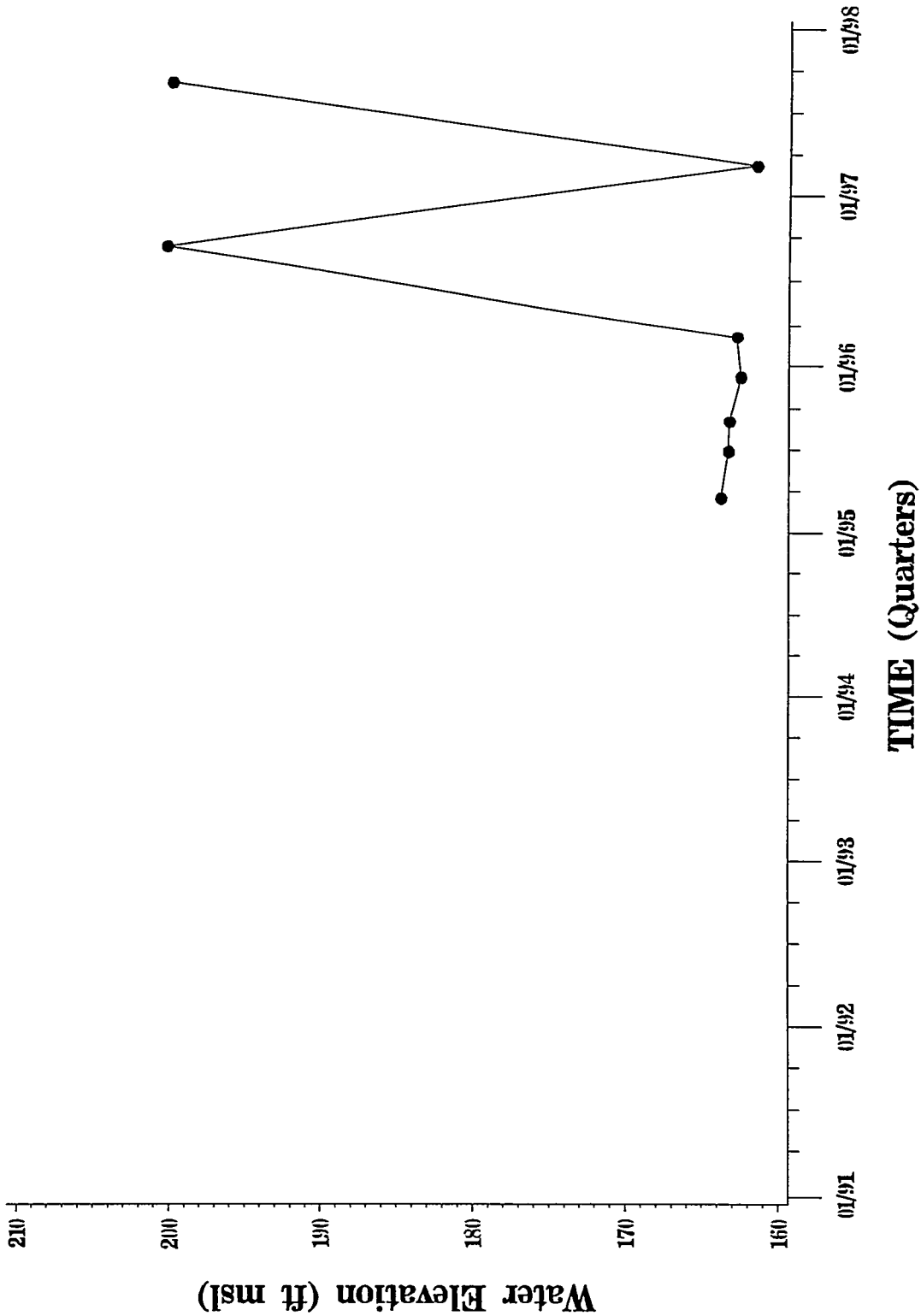
WSRC--TR--98--00006
Unclassified

Hydrograph
WELL LFW 72D



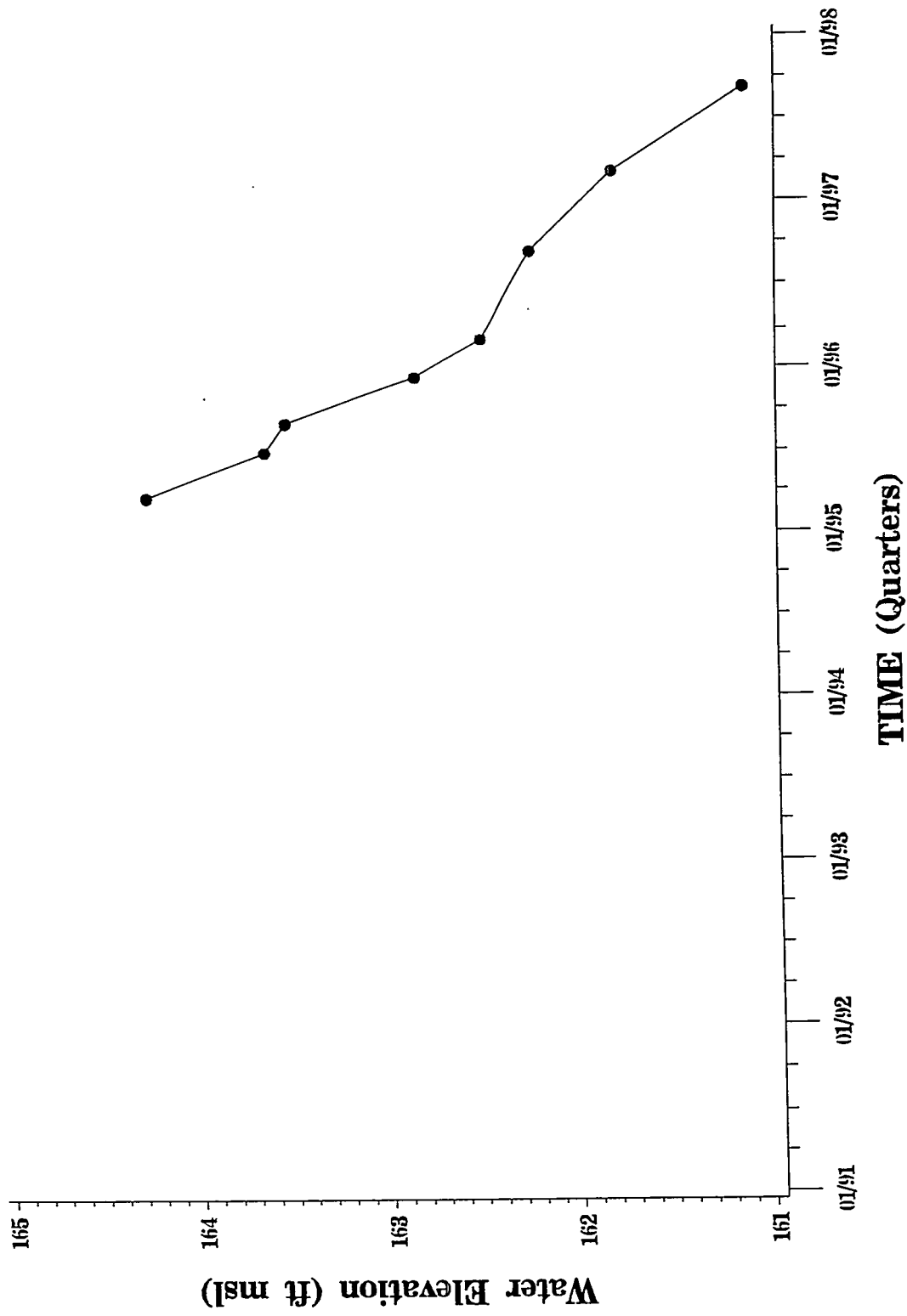
Hydrograph
WELL LFW 74C

WSRC - TR - 98 - 00006
Unclassified



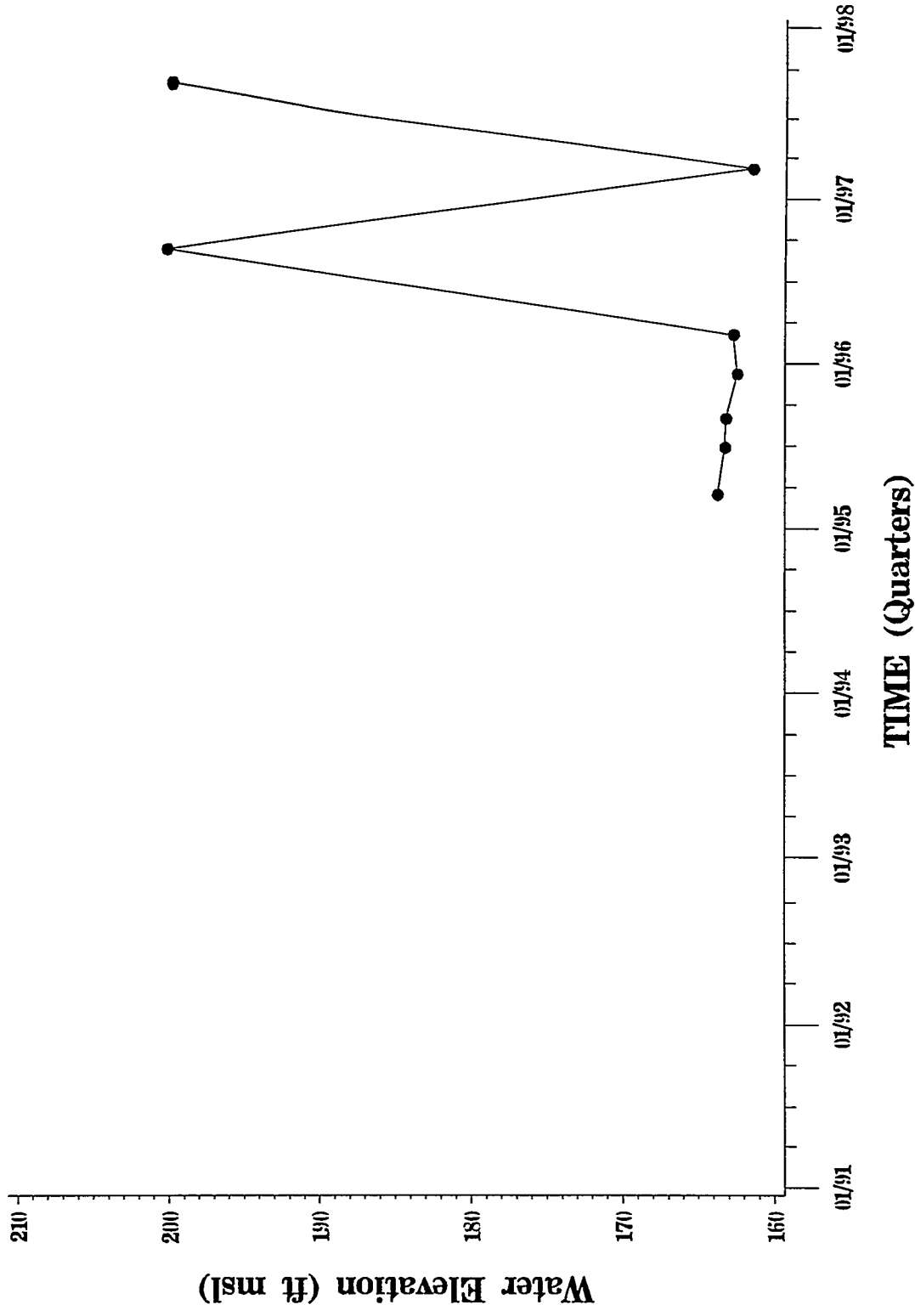
Hydrograph
WELL LFW 75D

WSRC--TR--98--000006
Unclassified



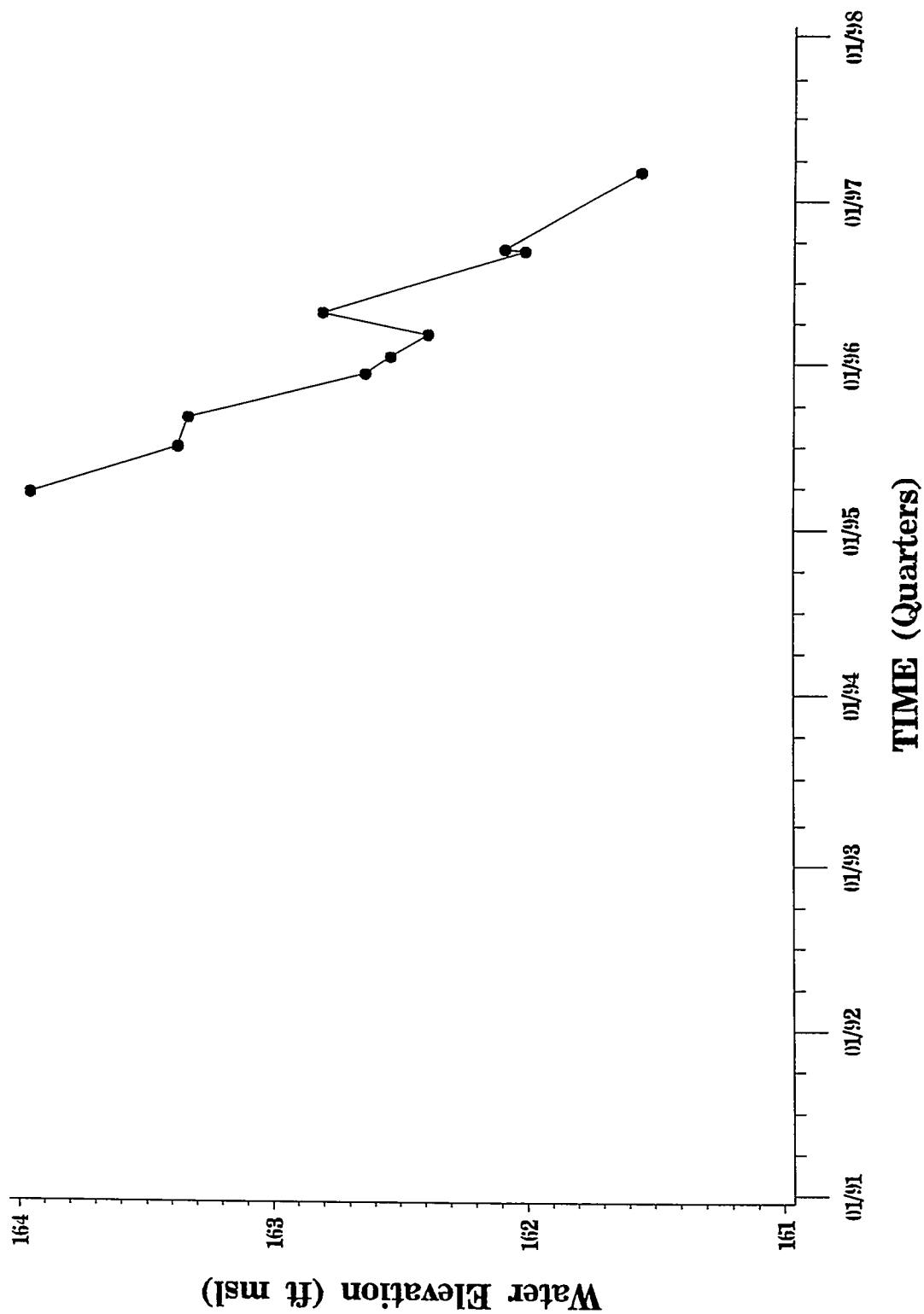
Hydrograph
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Unclassified



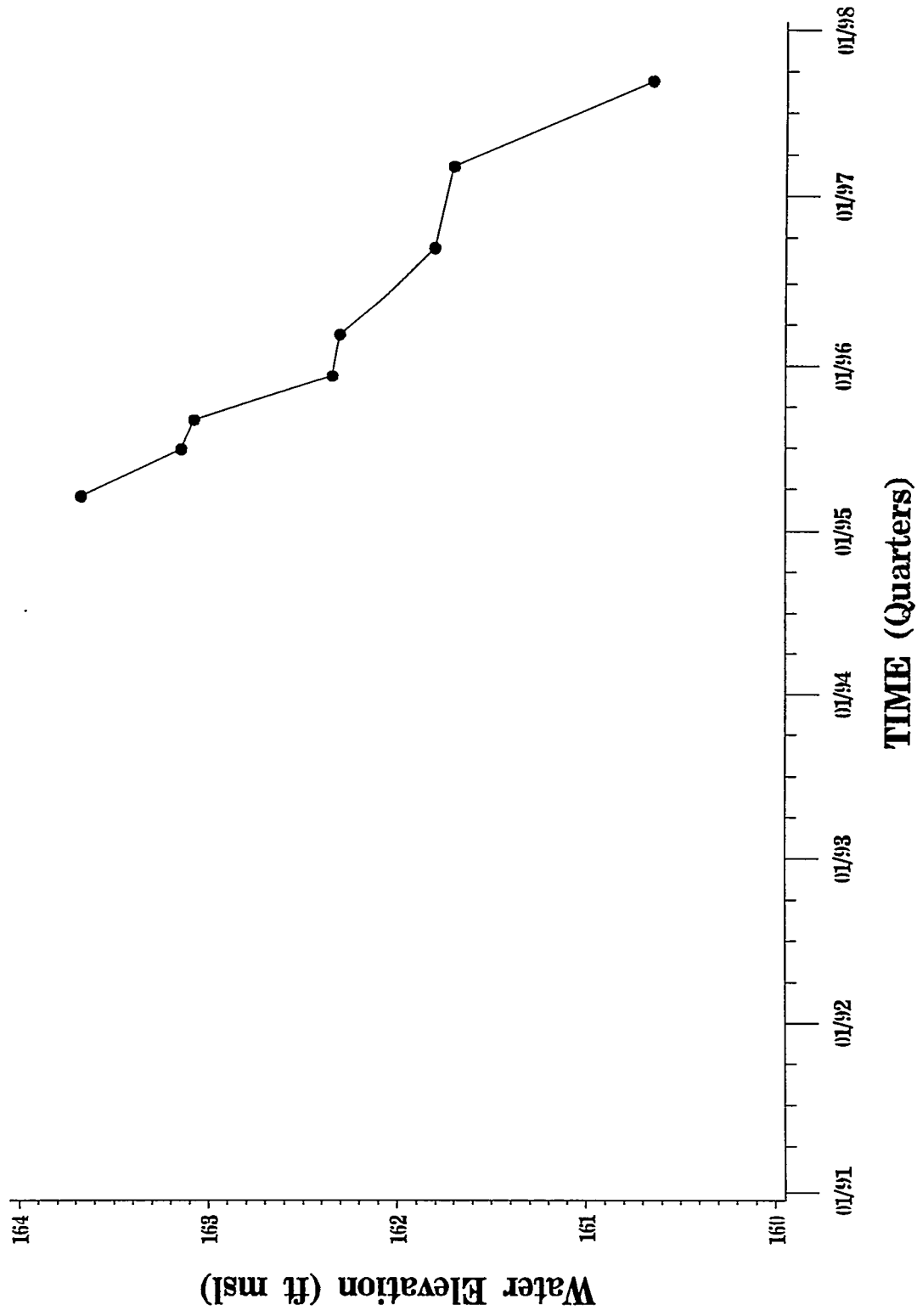
Hydrograph
WELL LFW 74D

WSRC - TR - 98 - 00006
Unclassified



Hydrograph
WELL LFW 75C

WSRC - TR - 98 - 00006
Unclassified



Hydrograph
WELL LFW 75D

WSRC - TR - 98 - 00006
Unclassified

