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MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

FIRST QUARTER 1994

Publication Date: June 1994

Authorized Derivative Classifier:

Joseph P. Kunkle, Engineer 6/27/94

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Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

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Prepared for the U.S. Department of Energy under Control Contract No. DE-AC09-89SR18035

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Key Words

aluminum
BGO wells
FSS wells
tetrachloroethylene
tritium

Westinghouse Savannah River Company
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Abstract

During first quarter 1994, nine constituents exceeded final Primary Drinking Water Standards in groundwater samples from downgradient monitoring wells at the Mixed Waste Management Facility, the Old Burial Ground, the E-Area Vaults, the proposed Hazardous Waste/Mixed Waste Disposal Vaults, and the F-Area Sewage Sludge Application Site.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Chloroethene (vinyl chloride), copper, 1,1-dichloroethylene, lead, mercury, nonvolatile beta, or tetrachloroethylene also exceeded standards in one or more wells. Elevated constituents were found in numerous Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) wells and in one Aquifer Unit IIA (Congaree) well.

The groundwater flow directions and rates in the three hydrostratigraphic units were similar to those of previous quarters.

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Executive Summary

Currently, 125 wells monitor groundwater quality in the uppermost aquifer beneath the Mixed Waste Management Facility (MWMF) at the Savannah River Site as required by the South Carolina Hazardous Waste Management Regulations and settlement agreements 87-52-SW and 91-51-SW. Samples from the wells are analyzed for selected heavy metals, indicator parameters, radionuclides, volatile organic compounds, and other constituents.

During first quarter 1994, chloroethene (vinyl chloride), copper, 1,1-dichloroethylene, lead, mercury, nonvolatile beta, tetrachloroethylene, trichloroethylene, or tritium exceeded final Primary Drinking Water Standards (PDWS) in approximately half of the downgradient wells at the MWMF. Elevated copper was found only in well FSS 1D at the F-Area Sewage Sludge Application Site; MWMF wells do not have a history of elevated copper occurrences. Consistent with historical trends, elevated constituent levels were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean). Elevated constituents also occurred in one Aquifer Unit IIA (Congaree) well.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents during first quarter 1994. Forty-nine (39%) of the 125 monitoring wells contained elevated tritium activities. Trichloroethylene concentrations exceeded the final PDWS in 22 (18%) wells. Chloroethene, 1,1-dichloroethylene, lead, mercury, and tetrachloroethylene, elevated in one or more wells during first quarter 1994, also occurred in elevated levels during fourth quarter 1993. These constituents generally were elevated in the same wells during both quarters.

Groundwater flow directions and rates in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) were generally similar to those of previous quarters.

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Introduction

Description of Facilities

The Mixed Waste Management Facility (MWMF) is part of the Burial Ground Complex, which also includes the Old Burial Ground, the Low-Level Radioactive Waste Disposal Facility (LLRWDF), the E-Area Vaults, and the proposed Hazardous Waste/Mixed Waste Disposal Vaults (HMMWDV). The Burial Ground Complex is located within the General Separations Area at the Savannah River Site (SRS) (Figures 1 and 2, Appendix C). The following description outlines important events in the history of the MWMF:

- In 1972, the MWMF began receiving various radioactive and nonradioactive wastes (Heffner and Exploration Resources, 1991).
- A closure plan for the MWMF was filed November 23, 1985, with the South Carolina Department of Health and Environmental Control (SCDHEC) (Jaegge et al., 1987). The closure plan included placing a low permeability cap and final vegetative cover over the facility.
- The MWMF became inactive in 1986 (WSRC, 1993b).
- A consent decree between the U.S. Department of Energy and the Natural Resources Defense Council et al. (Civil Action 1:85-2583-6, U.S. District Court, District of South Carolina, Aiken Division), signed May 26, 1988, and effective June 1, 1988, identified the MWMF as subject to the requirements of Subtitle C of the Resource Conservation and Recovery Act (RCRA).
- SCDHEC approved an interim status closure plan for the MWMF in December 1990 and accepted the closure certification in April 1991 in accordance with South Carolina Hazardous Waste Management Regulations (SCHWMR), Subpart G (SCDHEC, 1993).
- A RCRA Part B post-closure care permit application renewal was submitted to SCDHEC in November 1992 (WSRC, 1992). This permit application includes the 58-acre MWMF and the 13-acre Solvent Rag Portions of the LLRWDF as agreed upon by SRS and SCDHEC in settlement agreements 87-52-SW (May 10, 1991) and 91-51-SW (August 26, 1991).
- A closure plan for the Solvent Rag Portions was submitted to SCDHEC in August 1993 (WSRC, 1993b).
- A revised RCRA Part B post-closure care permit application renewal, containing a groundwater corrective action plan, was submitted to SCDHEC on November 30, 1993 (WSRC, 1993c).

- A final field investigation plan (FIP) for the Burial Ground Complex (WSRC, 1993a) has been approved by SCDHEC. The FIP will address data uncertainties that were identified during the preparation of the MWMF RCRA Part B post-closure care permit application renewal.
- Phase 1 of the FIP field work has been divided in the following subphases: 1A—installation of 12 groundwater monitoring wells; 1B—exploratory work in the southwest corner of the Burial Ground Complex using direct push technology and exploratory borings; 1C—exploratory work in the northeast corner of the Burial Ground Complex using direct push technology and exploratory borings; 1D—soil gas survey. Subphases 1B and 1C will determine the horizontal and vertical extent of groundwater contamination away from the Burial Ground Complex. Phase 1A well drilling began May 3, 1994.
- Beginning first quarter 1994, wells FSS 1D, 2D, 3D, and 4D, located at the F-Area Sewage Sludge Application Site, were added to the MWMF monitoring well network. As a conditional requirement for the closure of the F-Area Sewage Sludge Application Site, the FSS monitoring wells are to be monitored for radionuclides related to the Burial Ground Complex.

Currently, the Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) conducts quarterly sampling of the 125 wells monitoring the groundwater beneath the MWMF as part of the SRS Groundwater Monitoring Program. The Environmental Restoration Department provides a quarterly report to SCDHEC describing the monitoring results to meet the requirements of SCHWMR (SCDHEC, 1993).

Hydrostratigraphic Units

Historically, groundwater quality assessment reports for the MWMF have used the lithostratigraphic nomenclature *Water Table*, *Barnwell*, *McBean*, and *Congaree* to identify hydrologic units. However, an interim alphanumeric system developed by Aadland and Bledsoe (1990) (Figure 3, Appendix C) defines the aquifer and aquitard units at SRS using hydrostratigraphic designations. Figure 4 (Appendix C) shows a correlation of these designations. This report uses both nomenclatures. The November 1992 MWMF RCRA Part B post-closure care permit application renewal includes an in-depth explanation of this nomenclature and a detailed description of the geologic and hydrogeologic systems at the Burial Ground Complex (WSRC, 1992).

The MWMF well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility: Aquifer Zone IIB₂ (Water Table), which is underlain by Confining Zone IIB₁–IIB₂ (Tan Clay); the semi-confined Aquifer Zone IIB₁ (Barnwell/McBean); and the semi-confined Aquifer Unit IIA (Congaree), which is separated from the overlying Aquifer Zone IIB₁ by Confining Unit IIA–IIB (Green Clay). The boundary between the uppermost aquifer and the principal confining unit is the uppermost confining bed of Confining System I–II (Ellenton Formation), which lies approximately 300 ft below the surface of the Burial Ground Complex.

Discussion

Groundwater Monitoring Data

The EPD/EMS sampling procedure (EPD/EMS, 1992) requires evacuation of a minimum of two well volumes and stabilization of pH, specific conductance, and turbidity prior to sample collection. Stability is established when a minimum of three successive measurements, taken within a given time period, are within a specified tolerance range. If a well pumps dry before two well volumes are purged or before stabilization is achieved, it must be revisited within 24 hours for the data to be considered 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.

All of the wells in the BGO, BGX, FSS, and HMD series and in cluster HSB 85 have single-speed centrifugal downhole pumps.

During first quarter 1994, groundwater samples from the MWMF were analyzed for selected indicator parameters, heavy metals, radionuclides, and other constituents. This report describes the results that equaled or exceeded the Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or drinking water screening levels, as established by the U.S. Environmental Protection Agency (EPA) (Appendix A); the South Carolina final PDWS for lead (Appendix A); or SRS flagging criteria based on PDWS, Secondary Drinking Water Standards, or method detection limits (Appendix B). For simplicity, results that equaled or exceeded standards are described as *exceeding* or *above standards* or as *elevated*.

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

The current groundwater monitoring well network at the MWMF (Figure 2, Appendix C) is composed of the following:

- 55 Aquifer Zone IIB₂ (Water Table) wells (Figure 5, Appendix C):

BGO 1D, 2D, 3D, 4D, 5D, 6D, 7D, 8D, 9D, 10DR, 11D, 12D, 14DR, 15D, 16D, 17DR, 18D, 19D, 20D, 21D, 22DR, 23D, 24D, 26D, 27D, 28D, 29D, 30D, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 44D, 45D, 46D, 47D, 48D, 49D, 50D; **BGX** 1D, 9D, 10D, 11D, 12D; **FSS** 1D, 2D, 3D, 4D; **HSB** 85C

- 46 Aquifer Zone IIB₁ (Barnwell/McBean) wells (Figure 6, Appendix C):

BGO 5C, 6B, 6C, 8C, 10B, 10C, 12CR, 13DR, 14CR, 16B, 27C, 29C, 30C, 31C, 33C, 35C, 37C, 42C, 43CR, 43D, 44B, 44C, 45B, 45C, 46B, 46C, 47C, 48C, 49C, 50C; **BGX** 1C, 2B, 2D, 3D, 4C, 4D, 5D, 6D, 7D, 8DR, 12C; **HMD** 1D, 2D, 3D, 4D; **HSB** 85B

- 24 Aquifer Unit IIA (Congaree) wells (Figure 7, Appendix C):

BGO 6A, 8AR, 9AA, 10AA, 10AR, 12AR, 14AR, 16AR, 18A, 25A, 26A, 29A, 41A, 43A, 43AA, 44A, 44AA, 45A, 47A, 49A, 50A; **BGX** 1A, 4A; **HSB** 85A

SRS has a program in place to rehabilitate and replace wells that do not produce representative samples from the units being monitored. A complete record of well installations, replacements, and abandonments at the MWMF is found in the EPD/EMS well inventory (EPD/EMS, 1993).

The designated background wells for Aquifer Zone IIB₂ (Water Table) are BGO 1D and 2D, and HSB 85C; HSB 85B is the background well for Aquifer Zone IIB₁ (Barnwell/McBean); and HSB 85A is the background well for Aquifer Unit IIA (Congaree).

Table 3 (Appendix D) lists the number of well volumes purged from each of the BGO, BGX, FSS, and HMD series wells and the HSB 85 well cluster during first quarter 1994 and provides statements that describe incomplete or unsuccessful sampling events. Incomplete or unsuccessful sampling events occurred as follows.

- Wells that went dry during purging:

BGO 1D, 3D, 5C, 5D, 6B, 6D, 9AA, 10B, 10C, 10DR, 12CR, 12D, 13DR, 14CR, 16B, 16D, 17DR, 20D, 21D, 22DR, 24D, 25A, 26D, 27D, 28D, 29A, 29C, 29D, 30C, 30D, 31C, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 42C, 43CR, 44B, 44C, 45B, 45C, 46C, 49D, 50A, 50C; **BGX** 1C, 1D, 2B, 2D, 10D, 11D, 12D; **FSS** 2D, 3D, 4D; **HMD** 1D, 4D; **HSB** 85B

- Wells that could not be sampled because they were inaccessible to the samplers:

BGO 4D

- Wells that could not be sampled because they had mechanical problems:

None

- Wells that had no water-elevation measurements because they had no water in the standpipe:

BGO 49A

- Wells that could not be sampled because they are in the Purge Water Containment (PWC) Program. The PWC program was instituted at SRS in 1991 to contain and dispose of groundwater purged from wells during sampling that exhibits parameters 100 times their standards. Currently, MWMF does not have a method for containing and disposing of the purged water; thus, these wells have only water-level measurements taken during sampling.

Wells in the Purge Water Containment Program

Well	Quarter Last Sampled	Constituent Exceeding Limit	Level at Last Sample	Completion Date of Next Evaluation
BGO 26A	3Q91	pH	11.6 pH units ^a	June 30, 1994
BGO 37C	1Q91	trichloroethylene	690 µg/L	June 30, 1994
BGO 41A	2Q93	pH	12.3 pH units	June 30, 1994
BGO 43A	2Q93	pH	12.6 pH units	June 30, 1994
BGX 1A	1Q93	pH	12.4 pH units	June 30, 1994

^a Field measurements.

Analytical Results Exceeding Standards

Results for analytes that exceeded the final PDWS during first quarter 1994 are summarized in Table 1 (Appendix D) and described below. In the text description, the maximum level for each constituent is indicated in parentheses following the well in which it was detected.

Aquifer Zone IIB₂ (Water Table): 38 of the 55 wells contained elevated constituents during first quarter 1994.

- Tritium was elevated in 32 wells: **BGO** 2D, 3D, 5D, 6D, 7D, 9D, 10DR, 11D, 12D, 15D, 16D, 19D, 20D, 21D, 22DR, 23D, 27D, 28D (maximum activity at 1.2E+05 pCi/mL), 30D, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 45D, and 49D; and **FSS** 2D and 3D.
- Trichloroethylene was elevated in 13 wells: **BGO** 6D, 7D, 12D, 14DR, 15D, 16D, 28D (maximum concentration at 190 µg/L), 30D, 32D, 46D, 47D, 48D, and 50D.
- Tetrachloroethylene was elevated in 4 wells: **BGO** 7D, 32D, 46D, and 48D (maximum concentration at 68 µg/L).
- Chloroethene (vinyl chloride) was elevated in 2 wells: **BGO** 28D (maximum concentration at 140 µg/L) and 30D.
- Copper was elevated in well **FSS** 1D at 1,400 µg/L. Historically, copper has not exceeded standards in wells at the MWMF.
- 1,1-Dichloroethylene was elevated in well **BGO** 30D at 19 µg/L.
- Lead was elevated in well **FSS** 1D at 119 µg/L.

Aquifer Zone IIB₁ (Barnwell/McBean): 22 of the 46 wells contained elevated constituents during first quarter 1994.

- Tritium was elevated in 17 wells: **BGO** 5C, 6B, 6C, 10B, 10C, 14CR, 27C, 29C, 30C, 31C, 33C (maximum activity at 8.2E+03 pCi/mL), 45C, and 49C; **BGX** 1C, 3D, and 5D; and **HMD** 1D.
- Trichloroethylene was elevated in 9 wells: **BGO** 12CR (maximum concentration at 79 µg/L), 14CR, 27C, 30C, 33C, 42C, and 46C; and **BGX** 2D and 3D.
- Lead was elevated in well **BGO** 44B at 55 µg/L.
- Mercury was elevated in well **BGO** 33C at 2.8 µg/L.
- Nonvolatile beta was elevated in well **BGX** 5D at 1.5E+02 pCi/L.
- Tetrachloroethylene was elevated in well **BGO** 33C at 5.1 µg/L.

Aquifer Unit IIA (Congaree): 1 of the 24 wells contained elevated constituents during first quarter 1994.

- Nonvolatile beta was elevated in well **BGO** 9AA at 7.8E+01 pCi/L.

Results for analytes that exceeded other SRS flagging criteria during first quarter 1994 are summarized in Table 2 (Appendix D).

Table 3 (Appendix D) shows the results for all of the constituents and indicates the analytical laboratories that conducted the analyses, the dilution factors used in the analyses, and the analyses that received modifiers (which help identify laboratory accuracy and precision) or that exceeded the EPA-approved holding times during first quarter 1994. Constituent results in Table 3 that appear to equal the final PDWS but are not marked in the *D* column (exceeded final PDWS or screening level) are below the final PDWS in the database. Database results, the results that are compared to the final PDWS, are entered with 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 the 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 the data.

Isoconcentration maps of lead, pH, specific conductance, trichloroethylene, and tritium in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) wells during first quarter 1994 appear in Figures 8 through 22 (Appendix C).

Trichloroethylene and Tritium Time-Trend Data

Time series plots from first quarter 1990 through first quarter 1994 for wells containing trichloroethylene and tritium are presented in Appendix F. Statistical analyses of these data have not been conducted; thus, statements concerning changes in constituent concentrations or activities over time are not included in this report. Statement concerning relative concentrations or activities of the constituents are provided below.

Trichloroethylene concentrations have exhibited the following trends since first quarter 1992:

- Trichloroethylene concentrations in wells **BGO** 6A, 6C, 8AR, 8C, 27D, 29D, 31D, 32D, 33D, 41A, 44A, 44AA, 44B, 44D, 47A, and 50A have been consistently below or near detection limits.
- Trichloroethylene concentrations in wells **BGO** 8D, 13DR, 14AR, 29A, 29C, 31C, 40D, 44C, 46B, 47C, and 48C and **BGX** 2B have been consistently near or below the final PDWS.
- Wells **BGO** 6D, 7D, 12CR, 12D, 14CR, 14DR, 15D, 16D, 27C, 28D, 30C, 30D, 33C, 42C, 46C, 46D, 47D, 48D, and 50D and **BGX** 2D have exhibited concentrations of trichloroethylene that consistently exceeded the final PDWS.
- Well **BGO** 28D, screened in Aquifer Zone IIB₂ (Water Table), has consistently exhibited the highest trichloroethylene concentrations, usually ranging from approximately 190 µg/L to 340 µg/L.
- Other wells have exhibited somewhat erratic activities, ranging from relatively high above the final PDWS to below the final PDWS (e.g., wells **BGO** 50C and **BGX** 3D). Data are insufficient to determine trends for other wells. However, trichloroethylene concentrations in wells **BGO** 6B, 16AR, and 16B have not exceeded the final PDWS since sampling began several quarters ago.

Tritium activities have exhibited the following trends since first quarter 1992:

- Tritium activities in wells **BGO** 6A, 8AR, 8C, 10AR, 12AR, 12CR, 18A, 25A, 26A, 41A, 43A, 43AA, 44A, 44AA, 45A, 47A, 49A, and 50A; **BGX** 4A and 12C; **FSS** 1D; and **HSB** 85C have been consistently near or below detection limits.
- Tritium activities have not exceeded the final PDWS in upgradient wells **BGO** 1D, **HSB** 85A, and **HSB** 85B.
- Tritium activities in wells **BGO** 2D, 5C, 5D, 8D, 12D, 14AR, 18D, 20D, 24D, 26D, 29A, 29D, 33D, 35C, 40D, 42C, 43CR, 43D, and 45B; **BGX** 2B, 4C, 6D, 9D, 10D, 11D, and 12D; **FSS** 4D; and **HMD** 2D, 3D, and 4D have been consistently near or below the final PDWS.
- Wells **BGO** 3D, 6C, 6D, 7D, 10DR, 11D, 13DR, 14CR, 15D, 16D, 21D, 23D, 27C, 27D, 28D, 29C, 30C, 30D, 31C, 31D, 32D, 33C, 34D, 35D, 36D, 37D, 38D, 39D, 44B, 44C,

44D, 45C, 45D, 46C, 46D, 47C, 47D, 48C, 48D, 49D, 50C, and 50D; **BGX** 1C, 1D, 2D, 3D, and 8DR; and **FSS** 2D and 3D have exhibited tritium levels that have consistently exceeded the final PDWS.

- Well **BGO** 28D, located in Aquifer Zone IIB₂ (Water Table) at the west edge of the Old Burial Ground, has consistently exhibited the highest tritium activities, exceeding 1.0E+05 pCi/mL during most quarters.
- Some wells have exhibited erratic activities, ranging from relatively high above the final PDWS to below the final PDWS (e.g., wells **BGO** 10C and 46B and **BGX** 7D). Data are still insufficient to determine trends for other wells. However, tritium activities in wells **BGO** 9AA, 10AA, 16AR, and 17DR have been consistently below the final PDWS since sampling began several quarters ago.

Tritium activities in wells **BGO** 12D, 14AR, 26D, 29A, 34D, 35C, 36D, 37D, 38D, and 39D appear to have been anomalously high during fourth quarter 1991 as compared to preceding and more recent quarters.

Time series plots of pH for selected wells also are provided in Appendix F.

Water Levels

Hydrographs for selected wells and well clusters at the MWMF are provided in Appendix G. Average water elevations for all of the wells in each of the three hydrostratigraphic units beneath the MWMF for the past four quarters are shown in the following table.

Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the MWMF

Unit	2Q93	3Q93	4Q93	1Q94
Aquifer Zone IIB ₂ (Water Table)	233.89	233.07	231.13	230.70 ^a
Aquifer Zone IIB ₁ (Barnwell/McBean)	221.54	220.34	219.14	218.15
Aquifer Unit IIA (Congaree)	163.31	160.60	160.29	159.45

^a Average includes water elevations for wells **FSS** 1D, 2D, and 3D for the first time.

During first quarter 1994, the water level in Aquifer Zone IIB₂ (Water Table) decreased an average of 0.43 ft compared to fourth quarter 1993, the water level in Aquifer Zone IIB₁ (Barnwell/McBean) decreased an average of 0.99 ft, and the water level in Aquifer Unit IIA (Congaree) fell an average of 0.84 ft.

A consistent vertical head relationship exists among the hydrostratigraphic units monitored at the MWMF. Flow potential is downward from Aquifer Zone IIB₂ (Water Table) to Aquifer Zone IIB₁ (Barnwell/McBean) and downward from Aquifer Zone IIB₁ (Barnwell/McBean) to Aquifer Unit IIA (Congaree). This relationship, which was first noted in 1988, exists at all **BGO** well clusters.

Groundwater Flow Rates and Directions

The groundwater in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) diverges beneath the Burial Ground Complex. Historically the groundwater in Aquifer Zone IIB₂ (Water Table) has discharged either to the north toward Upper Three Runs Creek or to the southwest toward Fourmile Branch (using universal transverse Mercator coordinates [UTM]); the groundwater in Aquifer Zone IIB₁ (Barnwell/McBean) has discharged either to the northwest or to the southwest. Near Upper Three Runs Creek, the upper portion of the saturated zone lies beneath Confining Zone IIB₁-IIB₂ (Tan Clay) in Aquifer Zone IIB₁ (Barnwell/McBean). The historical horizontal groundwater flow direction in Aquifer Unit IIA (Congaree) has been consistently northwest toward Upper Three Runs Creek.

Using universal transverse Mercator coordinates, the first quarter 1994 flow directions in Aquifer Zone IIB₂ (Water Table) were to the southwest (flow path A) and north (flow path B). Flow directions in Zone IIB₁ (Barnwell/McBean) were to the southwest (flow path A) and northwest (flow path B), and the flow direction in Aquifer Unit IIA (Congaree) was to the northwest (Figures 23, 24, and 25, Appendix C). Horizontal flow rate estimates for the three hydrostratigraphic units during the past four quarters are provided in the following table.

Estimated Horizontal Groundwater Flow Rates (ft/yr) in the Hydrostratigraphic Units beneath the MWMF

Unit	2Q93	3Q93	4Q93	1Q94
Aquifer Zone IIB ₂ (Water Table)	19-33	27-51	17-35	20-31
Aquifer Zone IIB ₁ (Barnwell/McBean)	4.0-16	5.1-15	8.8-16	8.8-16
Aquifer Unit IIA (Congaree)	200	190	180	150

Horizontal flow rate calculations provide estimates of the transport rate of constituents originating from the MWMF. Flow rates in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) are calculated along two flow paths (designated flow paths A and B) to characterize the divergent groundwater flows toward Upper Three Runs Creek and Fourmile Branch. The flow rate for Aquifer Unit IIA (Congaree) is calculated along a single flow path because flow directions within this unit are generally more uniform than in the overlying units. Flow rates are estimated using the following equation:

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

Hydraulic conductivity constants of 3.03 ft/day, 1.50 ft/day, and 45 ft/day are used for Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree), respectively (WSRC, 1992). An effective porosity value of 20% is used for the two upper units, and an effective porosity value of 25% is used for Aquifer Unit IIA (Congaree) (WSRC, 1992). The value dh is the difference in head, and dl is the length of the flow path.

Flow path lengths are 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 estimates vary depending on 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 based on inferred or estimated parameters, flow rate estimates should be considered accurate to an order of magnitude only.

The flow rate estimates for groundwater in Aquifer Zone IIB₂ (Water Table) beneath the MWMF during first quarter 1994 are as follows (Figure 23, Appendix C):

Flow path A (toward Fourmile Branch)

$$\frac{3.03}{0.20} \times \frac{8}{2,150} \approx 0.056 \text{ ft/day}$$

$$0.056 \text{ ft/day} \times 365 \text{ days} \approx 20 \text{ ft/yr}$$

Flow path B (toward Upper Three Runs Creek)

$$\frac{3.03}{0.20} \times \frac{12}{2,150} \approx 0.085 \text{ ft/day}$$

$$0.085 \text{ ft/day} \times 365 \text{ days} \approx 31 \text{ ft/yr}$$

The flow rate estimates for groundwater in Aquifer Zone IIB₁ (Barnwell/McBean) beneath the MWMF are as follows (Figure 24, Appendix C):

Flow path A (toward Fourmile Branch)

$$\frac{1.50}{0.20} \times \frac{8}{2,450} \approx 0.024 \text{ ft/day}$$

$$0.024 \text{ ft/day} \times 365 \text{ days} \approx 8.8 \text{ ft/yr}$$

Flow path B (toward Upper Three Runs Creek)

$$\frac{1.50}{0.20} \times \frac{12}{2,100} \approx 0.043 \text{ ft/day}$$

$$0.043 \text{ ft/day} \times 365 \text{ days} \approx 16 \text{ ft/yr}$$

The flow rate estimate for groundwater in Aquifer Unit IIA (Congaree) beneath the MWMF is as follows (Figure 25, Appendix C):

$$\frac{45}{0.25} \times \frac{5}{2,250} \approx 0.40 \text{ ft/day}$$

$$0.40 \text{ ft/day} \times 365 \text{ days} \approx 150 \text{ ft/yr}$$

Upgradient Versus Downgradient Results

Wells BGO 1D, 2D, and HSB 85C are upgradient wells in Aquifer Zone IIB₂ (Water Table); wells HSB 85A and 85B are upgradient wells in Aquifer Unit IIA (Congaree) and Aquifer Zone IIB₁ (Barnwell/McBean), respectively. The remaining wells in these hydrostratigraphic units monitor downgradient water quality.

Upgradient well BGO 2D contained tritium activity that exceeded the final PDWS during first quarter 1994. No elevated constituents were detected in the remaining upgradient wells. Downgradient wells in the three hydrostratigraphic units contained elevated levels of chloroethene, copper, 1,1-dichloroethylene, lead, mercury, nonvolatile beta, tetrachloroethylene, trichloroethylene, or tritium.

Conclusions

The groundwater at the MWMF contains elevated levels of heavy metals, radionuclides, volatile organic compounds, and other constituents resulting from 40 years of operations at the Burial Ground Complex. During first quarter 1994, chloroethene, copper, 1,1-dichloroethylene, lead, mercury, nonvolatile beta, tetrachloroethylene, trichloroethylene, and tritium exceeded their final PDWS in one or more wells at the MWMF. All of these constituents, except copper and nonvolatile beta, also occurred in elevated levels during fourth quarter 1993. Elevated copper occurred only in well FSS 1D at the F-Area Sewage Sludge Application Site; historically, copper has not been elevated in BGO, BGX, or HMD wells or in well cluster HSB 85. Nonvolatile beta was elevated sporadically in two wells at the MWMF during 1993 and three wells during 1992. Elevated lead occurred in only in well FSS 1D during the quarter; nearby BGO wells do not have a history of elevated lead concentrations.

As in previous quarters, tritium and trichloroethylene were the most widespread constituents. Forty-nine (39%) of the 125 monitoring wells contained elevated tritium activities, with maximum activity ($1.2\text{E}+05$ pCi/mL) occurring in well BGO 28D in Aquifer Zone IIB₂ (Water Table). Trichloroethylene concentrations exceeded the final PDWS in 22 (18%) of the wells, with the maximum concentration found at 190 µg/L in well BGO 28D in Aquifer Zone IIB₂ (Water Table).

Elevated constituent levels were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean), consistent with historical data. Elevated constituents also occurred in one well in Aquifer Unit IIA (Congaree), indicating that vertical pathways into this deeper water-bearing unit exist. A current groundwater flow model for the General Separations Area indicates that the vertical component beneath this area is important (GeoTrans, Inc., 1992).

Constituents exceeding the final PDWS were found in upgradient well BGO 2D and in numerous downgradient wells. Generally, elevated levels of constituents found in downgradient wells but not in upgradient wells at a waste management unit are considered products of the waste management unit.

Groundwater in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) diverges beneath the Burial Ground Complex and discharges toward Upper Three Runs Creek or toward Fourmile Branch. During first quarter 1994, flow in these units was to the north-northwest toward Upper Three Runs Creek or to the southwest toward Fourmile Branch (UTM coordinates). The groundwater flow direction in Aquifer Unit IIA (Congaree) is consistently northwest toward Upper Three Runs Creek.

Groundwater flow rate estimates were in the same order of magnitude as previous quarters. Estimates ranged from 20 ft/yr to 31 ft/yr in Aquifer Zone IIB₂ (Water Table) and from 8.8 ft/yr to 16 ft/yr in Aquifer Zone IIB₁ (Barnwell/McBean); the flow rate estimate in Aquifer Unit IIA (Congaree) was 150 ft/yr.

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Errata

In tables with four quarters of data, some values for earlier quarters may differ from values for those same quarters presented in earlier reports because some reanalyses may have been performed by the laboratories after the reports were printed.

First Quarter 1993:

- Page 10, footnote to table: The date the effective porosity value for Aquifer Unit IIA (Congaree) was changed should read "between second and third quarters 1992."
- Page D-9, Table 2: Dichloromethane should be italicized.
- Page D-132, Table 3: Well BGO 31C went dry after 29 gallons of water (0.9 well volumes) were evacuated.

Second Quarter 1993:

- No errata have been reported.

Third Quarter 1993:

- Page D-5, Table 1: The correct result for trichloroethylene in well BGO 12D during second quarter is 83 $\mu\text{g/L}$.
- Page F-14, Trichloroethylene concentrations, well cluster BGO 6: The symbols were incorrect. The open triangle should be a black square; the black square should be an open triangle.

Fourth Quarter 1993:

- No errata have been reported.

Appendix A

Final Primary Drinking Water Standards

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Final Primary Drinking Water Standards

Analyte	Unit	Level	Status	Source
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
Antimony, dissolved	µg/L	6	Final	EPA, 1993
Antimony, total recoverable	µg/L	6	Final	EPA, 1993
Arsenic	µg/L	50	Final	EPA, 1993
Arsenic, dissolved	µg/L	50	Final	EPA, 1993
Arsenic, total recoverable	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
Barium, dissolved	µg/L	2,000	Final	EPA, 1993
Barium, total recoverable	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
Beryllium, dissolved	µg/L	4	Final	EPA, 1993
Beryllium, total recoverable	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
Cadmium, dissolved	µg/L	5	Final	EPA, 1993
Cadmium, total recoverable	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
Chromium, dissolved	µg/L	100	Final	EPA, 1993
Chromium, total recoverable	µg/L	100	Final	EPA, 1993
Copper	µg/L	1,300	Final	EPA, 1993
Copper, dissolved	µg/L	1,300	Final	EPA, 1993
Copper, total recoverable	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

Analyte	Unit	Level	Status	Source
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
Hexachlorobenzene	µg/L	1	Final	EPA, 1993
Hexachlorocyclopentadiene	µg/L	50	Final	EPA, 1993
Lead	µg/L	50	Final	SCDHEC, 1981
Lead, dissolved	µg/L	50	Final	SCDHEC, 1981
Lead, total recoverable	µg/L	50	Final	SCDHEC, 1981
Lindane	µg/L	0.2	Final	EPA, 1993
Mercury	µg/L	2	Final	EPA, 1993
Mercury, dissolved	µg/L	2	Final	EPA, 1993
Mercury, total recoverable	µg/L	2	Final	EPA, 1993
Methoxychlor	µg/L	40	Final	EPA, 1993
Nickel	µg/L	100	Final	EPA, 1993
Nickel, dissolved	µg/L	100	Final	EPA, 1993
Nickel, total recoverable	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
Selenium, dissolved	µg/L	50	Final	EPA, 1993
Selenium, total recoverable	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
Thallium, dissolved	µg/L	2	Final	EPA, 1993
Thallium, total recoverable	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

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Source</u>
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

- ^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.

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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 Standard (PDWS), the SDWA proposed PDWS, or the SDWA Secondary Drinking Water Standard (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.

Analyte	Unit	Flag 1	Flag 2	Source ^a
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

Analyte	Unit	Flag 1	Flag 2	Source ^a
Aluminum	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, dissolved	µg/L	25	50	SDWS (EPA, 1993b)
Aluminum, total recoverable	µg/L	25	50	SDWS (EPA, 1993b)
Americium-241	pCi/L	3.17E+00	6.34E+00	Proposed PDWS (EPA, 1991)
Americium-243	pCi/L	3.19E+00	6.37E+00	Proposed PDWS (EPA, 1991)
4-Aminobiphenyl	µg/L	50	100	EPA Method 8270
Ammonia	µg/L	500	1,000	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	50	100	EPA Method 8270
Anthracene	µg/L	50	100	EPA Method 8270
Antimony	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony, dissolved	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony, total recoverable	µg/L	3	6	Final PDWS (EPA, 1993a)
Antimony-125	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Aramite	µg/L	50	100	EPA Method 8270
Arsenic	µg/L	25	50	Final PDWS (EPA, 1993a)
Arsenic, dissolved	µg/L	25	50	Final PDWS (EPA, 1993a)
Arsenic, total recoverable	µg/L	25	50	Final PDWS (EPA, 1993a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final PDWS (EPA, 1993a)
Atrazine	µg/L	1.5	3	Final PDWS (EPA, 1993a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium, dissolved	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium, total recoverable	µg/L	1,000	2,000	Final PDWS (EPA, 1993a)
Barium-140 ^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

Analyte	Unit	Flag 1	Flag 2	Source ^a
4-Bromophenyl phenyl ether	µg/L	50	100	EPA Method 8270
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final PDWS (EPA, 1993a)
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
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
Carbon disulfide	µg/L	5	10	EPA Method 8240
Carbofuran	µg/L	20	40	Final PDWS (EPA, 1993a)
Carbon tetrachloride	µg/L	2.5	5	Final PDWS (EPA, 1993a)
Carbon-14	pCi/L	1E+03	2E+03	Interim Final PDWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
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
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)
4-Chloro-m-cresol	µg/L	50	100	EPA Method 8270
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)

Analyte	Unit	Flag 1	Flag 2	Source ^a
Curium-243/244 ^a	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 ^a	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
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
Diallate	µg/L	50	100	EPA Method 8270
Dibenz[a,h]anthracene	µg/L	0.15	0.3	Proposed PDWS (EPA, 1990)
Dibenzofuran	µg/L	50	100	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final PDWS (EPA, 1993a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final PDWS (EPA, 1993a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final PDWS (EPA, 1993a)
Dibromomethane	µg/L	5	10	EPA Method 8240
(Methylene bromide)				
1,2-Dichlorobenzene	µg/L	300	600	Final PDWS (EPA, 1993a)
1,3-Dichlorobenzene	µg/L	50	100	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final PDWS (EPA, 1993a)
3,3'-Dichlorobenzidine	µg/L	50	100	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	150	300	EPA Method 8240
Dichlorodifluoromethane	µg/L	5	10	EPA Method 8240
1,1-Dichloroethane	µg/L	5	10	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
1,1-Dichloroethylene	µg/L	3.5	7	Final PDWS (EPA, 1993a)
1,2-Dichloroethylene	µg/L	25	50	Final PDWS (EPA, 1993a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final PDWS (EPA, 1993a)
trans-1,2-Dichloroethylene	µg/L	50	100	Final PDWS (EPA, 1993a)
Dichloromethane	µg/L	2.5	5	Final PDWS (EPA, 1993a)
(Methylene chloride)				
2,4-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,6-Dichlorophenol	µg/L	50	100	EPA Method 8270
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
Di(2-ethylhexyl) adipate	µg/L	200	400	Final PDWS (EPA, 1993a)
Dieldrin	µg/L	2.5	5	EPA Method 8080
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
Diquat dibromide ^b	µg/L	10	20	Final PDWS (EPA, 1993a)

Analyte	Unit	Flag 1	Flag 2	Source ^a
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
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
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)

Analyte	Unit	Flag 1	Flag 2	Source ^a
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
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 ^c	pCi/L	1.5E+02	3E+02	Interim Final PDWS (EPA, 1977)
Nickel-63 ^c	pCi/L	2.5E+01	5E+01	Interim Final PDWS (EPA, 1977)
Niobium-95 ^c	pCi/L	1.5E+02	3E+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

Analyte	Unit	Flag 1	Flag 2	Source ^a
Nitrobenzene	µg/L	50	100	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	50	100	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodimethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodipropylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomorpholine	µg/L	50	100	EPA Method 8270
N-Nitrosopiperidine	µg/L	50	100	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	50	100	EPA Method 8270
5-Nitro-o-toluidine	µg/L	50	100	EPA Method 8270
Nonvolatile beta	pCi/L	2.5E + 01	5E + 01	Interim Final PDWS (EPA, 1977)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.005	0.01	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.005	0.01	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil & Grease	µg/L	5,000	10,000	EPA Method 413.1
Oxamyl ^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)

Analyte	Unit	Flag 1	Flag 2	Source ^a
Plutonium-239/240 ^e	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	5.24E+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)
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 ^e	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

Analyte	Unit	Flag 1	Flag 2	Source ^a
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)
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

Analyte	Unit	Flag 1	Flag 2	Source ^a
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 ^c	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)
Zirconium/Niobium-95 ^c	pCi/L	1E+02	2E+02	Interim Final PDWS (EPA, 1977)

- ^a References for methods are found 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 TU, which is inappropriate for the SRS groundwater monitoring program.

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Appendix C

Figures

Figure 1. Location of the Mixed Waste Management Facility at the Savannah River Site

Figure 2. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Burial Ground, the E-Area Vaults, the Hazardous Waste/Mixed Waste Disposal Vaults (the Burial Ground Complex), and the F-Area Sewage Sludge Application Site

Geologic Age	Lithostratigraphic Units			Hydrostratigraphic Units		
Tertiary	"Upland Unit"		Regulatory Uppermost Aquifer	Aquifer Unit IIB	Aquifer Zone IIB ₂	Aquifer System II
	Barnwell Group	Tobacco Rd Formation			Confining Zone IIB ₁ -IIB ₂	
		Dry Branch Formation			Aquifer Zone IIB ₁	
		Clinchfield Formation				
	Santee Limestone Formation					Confining Unit IIA-IIB
	Warley Hill Formation				Aquifer Unit IIA	
	Congaree/ Fishburne Formations					
	Williamsburg Formation		Confining System I-II			
	Ellenton Formation					

Aadland, 1990

Figure 3. Hydrostratigraphic Nomenclature

	SIPLE (1967)	SRP BASELINE HYDROGEOLOGIC STUDY		GEOTRANS (1988)	AUCOTT (1987)	DUPONT (1989)		AADLAND and BLEDSOE (1990)								
T E R T I A R Y	HAWTHORNE AQUIFER	UPLAND UNIT		AQUIFER 4	TERTIARY SAND AQUIFER	ZONE 8		A Q U I F E R S Y S T E M I/II	AQUIFER UNIT I/IIc	S Y S T E M S B O U N D A R Y	AQUIFER UNIT IIB	AQUIFER SYSTEM II				
	BARNWELL AQUIFER	B A R N W E L L	TOBACCO RD FM			ZONE 7	7a									
			DRY BRANCH FM				7b									
	McBEAN AQUITARD GREEN CLAY	McBEAN FORMATION GREEN CLAY				ZONE 6	7c									
	CONGAREE AQUIFER	CONGAREE		AQUIFER 3	ZONE 5	5b	5a									
ELLENTON AQUITARD	WILLIAMSBURG FORMATION		AQUITARD 2	CONFINING UNIT	ZONE 4			CONF UNIT 1/IIb-1/IIc	CONF UNIT 1/IIa-1/IIb	CONF UNIT 1a-1b	CONF SYSTEM I-II					
	ELLENTON FORMATION															
C R E T A C E O U S	UPPER TUSCALOOSA AQUIFER	PEEDEE FORMATION		AQUIFER 2	BLACK CREEK AQUIFER	ZONE 3					3b	AQUIFER UNIT I/IIb	AQUIFER UNIT IB	AQUIFER SYSTEM I		
	MID TUSCALOOSA AQUITARD	BLACK CREEK FORMATION				AQUITARD 1					CONFINING UNIT				ZONE 2	3a
	LOWER TUSCALOOSA AQUIFER	MIDDENDORF FORMATION		AQUIFER 1	MIDDENDORF AQUIFER	2c					2b				AQUIFER UNIT I/IIa	AQUIFER UNIT 1a
	BASAL CLAY AQUITARD	CAPE FEAR FORMATION		BASE OF MODEL	CONFINING UNIT	ZONE 1	2a	CONF SYSTEM I		CONF SYSTEM I						
TRIASSIC OR PALEOZOIC BASEMENT									PALEOZOIC - TRIASSIC BASEMENT HYDROLOGIC SYSTEM							

Figure 4. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclature

Figure 5. Location of Aquifer Zone IIB₂ (Water Table) Wells at the Burial Ground Complex

Figure 6. Location of Aquifer Zone IIB₁ (Barnwell/McBean) Wells at the Burial Ground Complex

Figure 8. Lead Concentrations in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, First Quarter 1994

Figure 9. Lead Concentrations in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1994

Figure 10. Lead Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1994

Figure 11. pH Values in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, First Quarter 1994

Figure 12. pH Values in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1994

Figure 13. pH Values in Aquifer Zone IIA (Congaree) at the Burial Ground Complex, First Quarter 1994

Figure 14. Specific Conductance in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, First Quarter 1994

Figure 15. Specific Conductance in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1994

Figure 16. Specific Conductance in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1994

Figure 17. Trichloroethylene Concentrations in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, First Quarter 1994

Figure 18. Trichloroethylene Concentrations in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1994

Figure 19. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1994

First Quarter 1994

Figure 21. Tritium Activities in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1994

Figure 22. Tritium Activities in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1994

Figure 23. Piezometric Surface Map of Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex

Figure 24. Potentiometric Surface Map of Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex

Figure 25. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the Burial Ground Complex

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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
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., $1.1\text{E}-09 = 1.1 \times 10^{-9} = 0.000000011$)
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
$\mu\text{g/L}$	micrograms per liter
$\mu\text{S/cm}$	microsiemens per centimeter

Other

CS	carbon steel
D	exceeded primary drinking water standard (PDWS) or screening level column in data tables
DF	dilution factor 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 useability. 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.

<u>Result modifier</u>	<u>Definition</u>
(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
J	Value is estimated because quantitation in the sample or in associated quality control samples did not meet specifications.
L	Value is off-scale high. The actual value is not known but is known to be greater than the value shown.
M	Presence of the analyte is verified but not quantified.
R	Result was rejected because performance requirements in the sample analysis or associated quality control analyses were not met.
T	Analyte was not detected; if present, it was below the criteria for detection.
V	Analyte was detected in 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

Aquifer Zone IIB₂ (Water Table)

Well	Constituent	Unit	2Q93	3Q93	4Q93	1Q94	Mod
BGO 2D	Tritium	pCi/mL	— ^a	—	2.0E+01	2.1E+01	
BGO 3D	Tritium	pCi/mL	4.3E+01	4.0E+01	3.9E+01	3.7E+01	
BGO 5D	Tritium	pCi/mL	—	2.7E+01	—	2.4E+01	
BGO 6D	Tetrachloroethylene	μg/L	—	5.2	—	—	
	Trichloroethylene	μg/L	26	40	23	23	
	Tritium	pCi/mL	1.3E+03	1.4E+03	1.2E+03	1.0E+03	
BGO 7D	Dichloromethane	μg/L	7.7	13	—	—	J
	Tetrachloroethylene	μg/L	—	—	7.0	13	
	Trichloroethylene	μg/L	41	55	98	175	
	Tritium	pCi/mL	1.2E+02	1.6E+02	5.2E+02	6.5E+02	
BGO 8D	Tritium	pCi/mL	—	2.9E+01	—	—	
BGO 9D	Tritium	pCi/mL	2.0E+01	2.7E+02	2.1E+02	2.4E+02	
BGO 10DR	Tritium	pCi/mL	2.0E+03	8.6E+02	6.7E+02	1.0E+03	
BGO 11D	Tritium	pCi/mL	9.5E+02	1.4E+03	1.5E+03	1.7E+03	
BGO 12D	Dichloromethane	μg/L	8.5	15	—	—	
	Trichloroethylene	μg/L	83	139	100	127	
	Tritium	pCi/mL	—	2.6E+01	3.1E+01	2.9E+01	
BGO 14DR	Dichloromethane	μg/L	—	—	6.6	—	
	Trichloroethylene	μg/L	18	86	252	61	
BGO 15D	Tetrachloroethylene	μg/L	6.0	8.2	5.0	—	
	Trichloroethylene	μg/L	80	105	54	67	
	Tritium	pCi/mL	5.3E+02	4.6E+02	3.2E+02	2.7E+02	
BGO 16D	Trichloroethylene	μg/L	19	16	10	22	
	Tritium	pCi/mL	1.3E+03	1.1E+03	6.9E+02	6.3E+02	
BGO 19D	Tritium	pCi/mL	NA ^b	NA	4.0E+01	5.6E+01	
BGO 20D	Tritium	pCi/mL	—	2.1E+01	2.2E+01	2.3E+01	
BGO 21D	Tritium	pCi/mL	3.1E+01	3.1E+01	3.2E+01	3.0E+01	
BGO 22DR	Tritium	pCi/mL	5.0E+01	4.6E+01	4.4E+01	4.2E+01	
BGO 23D	Tritium	pCi/mL	2.2E+01	2.3E+01	2.4E+01	2.0E+01	
BGO 26D	Lead	μg/L	—	—	73	—	

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q93</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>Mod</u>
BGO 27D	Tritium	pCi/mL	1.1E+02	7.5E+01	4.1E+01	2.5E+01	
BGO 28D	Chloroethene	µg/L	107	118	60	140	
	Dichloromethane	µg/L	81	—	48	—	
	Gross alpha	pCi/L	1.3E+02	—	—	—	J
	Trichloroethylene	µg/L	339	241	234	190	
	Tritium	pCi/mL	9.9E+04	1.4E+05	1.3E+05	1.2E+05	
BGO 30D	Chloroethene	µg/L	—	4.3	6.3	7.8	
	1,1-Dichloroethylene	µg/L	12	17	24	19	
	Gross alpha	pCi/L	3.5E+01	—	—	—	
	Nonvolatile beta	pCi/L	5.3E+01	—	—	—	
	Trichloroethylene	µg/L	51	61	58	81	
	Tritium	pCi/mL	2.2E+04	2.6E+04	4.1E+04	4.5E+04	
BGO 31D	Tritium	pCi/mL	2.2E+01	1.1E+02	1.5E+02	3.0E+01	
BGO 32D	Tetrachloroethylene	µg/L	—	—	—	5.3	
	Trichloroethylene	µg/L	—	—	—	5.1	
	Tritium	pCi/mL	1.5E+02	1.6E+02	1.7E+02	6.2E+02	
BGO 33D	Tritium	pCi/mL	—	—	2.1E+01	2.1E+01	
BGO 34D	Tritium	pCi/mL	2.3E+01	2.2E+01	2.5E+01	2.3E+01	
BGO 35D	Tritium	pCi/mL	6.8E+01	7.7E+01	1.2E+02	1.0E+02	
BGO 36D	Tritium	pCi/mL	2.6E+01	2.6E+01	2.6E+01	2.5E+01	
BGO 37D	Tritium	pCi/mL	2.8E+01	2.9E+01	3.0E+01	3.0E+01	
BGO 38D	Tritium	pCi/mL	2.8E+01	2.8E+01	2.8E+01	2.6E+01	
BGO 39D	Tritium	pCi/mL	2.8E+01	2.7E+01	2.9E+01	2.9E+01	
BGO 40D	Lead	µg/L	60	—	—	—	
BGO 44D	Tritium	pCi/mL	3.7E+02	4.7E+02	4.1E+02	—	
BGO 45D	Tritium	pCi/mL	3.3E+02	1.3E+02	1.6E+02	4.3E+02	
BGO 46D	Chloroethene	µg/L	7.0	9.5	17	—	
	1,1-Dichloroethylene	µg/L	—	—	8.3	—	
	Dichloromethane	µg/L	—	—	20	—	
	Tetrachloroethylene	µg/L	20	19	17	6.0	J
	Trichloroethylene	µg/L	68	69	76	48	
	Tritium	pCi/mL	3.9E+04	4.5E+04	4.1E+04	—	
BGO 47D	Trichloroethylene	µg/L	7.6	12	6.8	13	
	Tritium	pCi/mL	3.3E+02	2.8E+03	9.3E+02	—	

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q93</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>Mod</u>
BGO 48D	Carbon tetrachloride	µg/L	–	–	5.5	–	
	Dichloromethane	µg/L	13	–	–	–	
	Tetrachloroethylene	µg/L	21	29	304	68	
	Trichloroethylene	µg/L	89	125	300	36	
	Tritium	pCi/mL	4.1E+04	4.8E+04	8.8E+04	–	
BGO 49D	Tritium	pCi/mL	2.1E+01	2.1E+01	2.1E+01	2.1E+01	
BGO 50D	Trichloroethylene	µg/L	24	17	11	12	
	Tritium	pCi/mL	6.3E+03	4.5E+03	3.1E+03	–	
BGX 1D	Tritium	pCi/mL	3.8E+02	3.3E+02	3.5E+02	–	
BGX 10D	Lead	µg/L	108	59	53	–	
FSS 1D	Copper	µg/L	NA	NA	NA	1,400	
	Lead	µg/L	NA	58	NA	119	
FSS 2D	Tritium	pCi/mL	NA	7.7E+01	NA	1.8E+02	
FSS 3D	Lead	µg/L	NA	329	NA	–	
	Tritium	pCi/mL	NA	4.3E+01	NA	9.7E+01	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q93</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>Mod</u>
BGO 5C	Tritium	pCi/mL	3.0E+01	2.5E+01	2.5E+01	2.9E+01	
BGO 6B	Tritium	pCi/mL	3.4E+01	–	2.5E+01	2.1E+01	
BGO 6C	Tritium	pCi/mL	9.5E+02	9.2E+02	8.8E+02	8.9E+02	
BGO 10B	Tritium	pCi/mL	7.9E+01	1.9E+02	7.8E+01	1.1E+02	
BGO 10C	Tritium	pCi/mL	1.6E+02	1.4E+02	–	1.1E+02	
BGO 12CR	Trichloroethylene	µg/L	24	81	71	79	
BGO 13DR	Tritium	pCi/mL	3.1E+01	2.6E+01	2.1E+01	–	
BGO 14CR	Trichloroethylene	µg/L	48	52	45	56	
	Tritium	pCi/mL	3.5E+01	3.4E+01	3.0E+01	3.0E+01	
BGO 16B	Tritium	pCi/mL	4.2E+01	–	–	–	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q93</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>Mod</u>
BGO 27C	Trichloroethylene Tritium	µg/L pCi/mL	25 5.8E+01	25 7.8E+01	21 6.5E+01	22 6.6E+01	
BGO 29C	Tritium	pCi/mL	9.6E+01	1.2E+02	1.5E+02	1.9E+02	
BGO 30C	Trichloroethylene Tritium	µg/L pCi/mL	11 3.9E+02	11 6.2E+02	11 7.3E+02	11 6.2E+02	
BGO 31C	Dichloromethane Tritium	µg/L pCi/mL	5.4 2.5E+03	— 2.4E+03	— 3.4E+03	— 3.1E+03	
BGO 33C	Dichloromethane Mercury Tetrachloroethylene Trichloroethylene Tritium	µg/L µg/L µg/L µg/L pCi/mL	5.1 — 5.9 27 7.2E+03	— 2.2 — 28 8.2E+03	— 2.4 — 22 8.0E+03	— 2.8 5.1 26 8.2E+03	
BGO 42C	Dichloromethane Trichloroethylene	µg/L µg/L	— 76	— 61	10 47	— 36	
BGO 44B	Lead Tritium	µg/L pCi/mL	— 8.4E+02	— 4.7E+02	— 2.8E+02	55 —	
BGO 44C	Tritium	pCi/mL	5.5E+02	4.1E+02	2.9E+02	—	
BGO 45C	Tritium	pCi/mL	5.6E+02	6.9E+02	7.5E+02	7.4E+02	
BGO 46B	Tritium	pCi/mL	3.9E+01	2.2E+01	4.0E+01	—	
BGO 46C	Trichloroethylene Tritium	µg/L pCi/mL	24 7.8E+01	26 7.9E+01	22 9.0E+01	24 —	
BGO 47C	Tritium	pCi/mL	1.0E+03	3.4E+02	3.5E+02	—	
BGO 48C	Trichloroethylene Tritium	µg/L pCi/mL	— 2.7E+03	— 3.1E+03	5.5 3.2E+03	— —	
BGO 49C	Tritium	pCi/mL	3.6E+01	2.6E+01	3.5E+01	2.5E+01	
BGO 50C	Trichloroethylene Tritium	µg/L pCi/mL	15 6.9E+01	12 7.9E+01	— 8.5E+01	— —	
BGX 1C	Tritium	pCi/mL	8.4E+02	8.7E+02	1.2E+03	1.5E+03	
BGX 2D	Trichloroethylene Tritium	µg/L pCi/mL	12 8.8E+01	12 8.7E+01	12 8.6E+01	13 —	
BGX 3D	Trichloroethylene Tritium	µg/L pCi/mL	— 1.1E+03	— 1.2E+03	— 1.2E+03	36 1.3E+03	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q93</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>Mod</u>
BGX 5D	Nonvolatile beta	pCi/L	–	–	–	1.5E+02	
	Tritium	pCi/mL	5.5E+01	5.3E+01	6.1E+01	7.1E+01	
BGX 7D	Tritium	pCi/mL	NA	1.6E+03	1.4E+03	–	
BGX 8DR	Tritium	pCi/mL	8.9E+02	9.2E+02	9.7E+02	–	
BGX 12C	Dichloromethane	µg/L	14	–	–	–	J
HMD 1D	Tritium	pCi/mL	–	–	3.1E+01	3.7E+01	
HMD 4D	Lead	µg/L	–	–	53	–	

Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>2Q93</u>	<u>3Q93</u>	<u>4Q93</u>	<u>1Q94</u>	<u>Mod</u>
BGO 9AA	Nonvolatile beta	pCi/L	6.4E+01	–	–	7.8E+01	
BGO 12AR	Trichloroethylene	µg/L	5.5	–	5.2	–	
BGO 50A	Chloroform	µg/L	–	–	191	–	

Notes: The groundwater samples are unfiltered. Thus, the results for metals are for total recoverable metals.
The modifier column applies to first quarter 1994 results only.

^a – = analyzed but not above final PDWS.

^b NA = not analyzed.

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

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q94</u>	<u>Mod</u>
BGO 1D	Aluminum	µg/L	1,120	
	Iron	µg/L	426	
BGO 2D	Aluminum	µg/L	173	
	Total organic halogens	µg/L	59	
BGO 3D	Aluminum	µg/L	213	
BGO 5D	Aluminum	µg/L	71	
BGO 6D	Aluminum	µg/L	206	
BGO 7D	Total organic halogens	µg/L	149	
BGO 10DR	Aluminum	µg/L	72	
	Iron	µg/L	431	
BGO 12D	Aluminum	µg/L	76	
	Total organic halogens	µg/L	105	
BGO 14DR	Total organic halogens	µg/L	124	
BGO 15D	Total organic halogens	µg/L	55	
BGO 16D	Aluminum	µg/L	560	
	Iron	µg/L	311	
	Lithium	µg/L	105	
	Tin	µg/L	22	
BGO 17DR	Aluminum	µg/L	126	
BGO 19D	Aluminum	µg/L	63	
BGO 21D	Aluminum	µg/L	309	J
	Lithium	µg/L	53	
BGO 22DR	Aluminum	µg/L	883	
	Iron	µg/L	354	
BGO 23D	Total organic halogens	µg/L	146	
BGO 24D	Aluminum	µg/L	749	
	Iron	µg/L	304	
BGO 26D	Aluminum	µg/L	206	
BGO 27D	Aluminum	µg/L	231	
BGO 28D	Aluminum	µg/L	1,660	
	1,1-Dichloroethane	µg/L	54	

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q94</u>	<u>Mod</u>
	Iron	µg/L	643	
	Manganese	µg/L	73	
	Total organic halogens	µg/L	790	J
BGO 29D	Aluminum	µg/L	1,170	
	Iron	µg/L	637	
	Manganese	µg/L	68	
BGO 30D	Aluminum	µg/L	396	
	1,1-Dichloroethane	µg/L	108	
	Manganese	µg/L	58	
	Total organic halogens	µg/L	1,250	J
BGO 31D	Aluminum	µg/L	123	
BGO 32D	Aluminum	µg/L	910	
BGO 33D	Aluminum	µg/L	2,380	
	Iron	µg/L	959	
	Tin	µg/L	22	
BGO 34D	Aluminum	µg/L	143	
BGO 35D	Aluminum	µg/L	3,360	
	Iron	µg/L	1,270	
BGO 36D	Aluminum	µg/L	637	
BGO 37D	Aluminum	µg/L	221	
BGO 38D	Aluminum	µg/L	336	
	Total organic halogens	µg/L	56	
BGO 39D	Aluminum	µg/L	121	
BGO 40D	Aluminum	µg/L	276	
	Lithium	µg/L	611	
	Tin	µg/L	72	
BGO 46D	1,1-Dichloroethane	µg/L	29	
	Total organic halogens	µg/L	191	
BGO 48D	Aluminum	µg/L	119	
	Total organic halogens	µg/L	144	
BGO 49D	Aluminum	µg/L	473	
BGO 50D	Aluminum	µg/L	81	
	Total organic halogens	µg/L	169	J
BGX 1D	Aluminum	µg/L	385	

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q94</u>	<u>Mod</u>
BGX 9D	Aluminum	µg/L	53	
BGX 10D	Aluminum	µg/L	179	
	Iron	µg/L	405	
	Manganese	µg/L	64	
BGX 11D	Aluminum	µg/L	539	
BGX 12D	Aluminum	µg/L	186	
FSS 1D	Aluminum	µg/L	3,190	
	Iron	µg/L	572	
FSS 2D	Aluminum	µg/L	2,450	
	Iron	µg/L	795	
	Manganese	µg/L	96	
FSS 3D	Aluminum	µg/L	204	
	Manganese	µg/L	91	
FSS 4D	Aluminum	µg/L	1,010	
	Iron	µg/L	501	
HSB 85C	Total organic carbon	µg/L	20,400	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q94</u>	<u>Mod</u>
BGO 5C	Aluminum	µg/L	408	
BGO 6B	Iron	µg/L	348	
	Total organic halogens	µg/L	10,300	
BGO 10B	Aluminum	µg/L	70	
	Total organic halogens	µg/L	197	
BGO 10C	Aluminum	µg/L	266	
BGO 12CR	Aluminum	µg/L	296	
BGO 13DR	Manganese	µg/L	70	
BGO 14CR	Aluminum	µg/L	338	
	Total organic halogens	µg/L	73	
BGO 29C	Aluminum	µg/L	101	
BGO 30C	Aluminum	µg/L	794	
	Iron	µg/L	549	

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q94</u>	<u>Mod</u>
BGO 31C	Aluminum	µg/L	319	
BGO 33C	Aluminum	µg/L	251	
	Total organic halogens	µg/L	96	J
BGO 42C	Aluminum	µg/L	73	
	Iron	µg/L	365	
	Total organic halogens	µg/L	75	
BGO 43CR	Aluminum	µg/L	153	
	Iron	µg/L	304	
BGO 44B	Aluminum	µg/L	161	
	Manganese	µg/L	88	
	Total organic carbon	µg/L	18,100	
BGO 44C	Aluminum	µg/L	585	
	Iron	µg/L	408	
	Lithium	µg/L	71	
	Manganese	µg/L	294	
BGO 45B	Aluminum	µg/L	98	
	pH	pH	11	J
BGO 45C	Aluminum	µg/L	55	
BGO 50C	Aluminum	µg/L	228	
	Iron	µg/L	438	
BGX 1C	Aluminum	µg/L	741	
	pH	pH	12	J
	Specific conductance	µS/cm	1,800	
BGX 2B	Aluminum	µg/L	197	
BGX 2D	Aluminum	µg/L	63	
BGX 4C	Tin	µg/L	31	
BGX 5D	Aluminum	µg/L	92	
	Manganese	µg/L	346	
BGX 8DR	Aluminum	µg/L	84	
HMD 1D	Aluminum	µg/L	601	
	Iron	µg/L	777	
	Manganese	µg/L	52	
HMD 4D	Aluminum	µg/L	747	
	Iron	µg/L	487	
HSB 85B	Aluminum	µg/L	1,440	

Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q94</u>	<u>Mod</u>
BGO 9AA	Aluminum	µg/L	1,070	J
	Lithium	µg/L	1,200	
	pH	pH	13	
	Specific conductance	µS/cm	4,130	
	Tin	µg/L	294	
BGO 10AR	Manganese	µg/L	51	
BGO 12AR	Aluminum	µg/L	244	
	Total organic halogens	µg/L	59	
BGO 14AR	Aluminum	µg/L	404	J
	Lithium	µg/L	54	
	pH	pH	10	
	Tin	µg/L	22	
BGO 29A	Aluminum	µg/L	94	
	Total organic halogens	µg/L	67	
BGO 43AA	Aluminum	µg/L	78	
BGO 44AA	Aluminum	µg/L	165	
	Lithium	µg/L	79	
BGO 47A	Aluminum	µg/L	88	
BGO 49A	Aluminum	µg/L	501	J
	pH	pH	10	
	Lithium	µg/L	51	
BGO 50A	Aluminum	µg/L	641	J
	Lithium	µg/L	343	
	pH	pH	12	
	Specific conductance	µS/cm	950	
	Tin	µg/L	36	
	Total organic halogens	µg/L	179	
HSB 85A	Total organic halogens	µg/L	54	

Notes: These results do not include field data.
The groundwater samples are unfiltered. Thus, the results for metals are for total recoverable metals.
Flags are established by EPD/EMS and are based on PDWS, Secondary Drinking Water Standards, or method detection limits (see Appendix B).

Table 3. Groundwater Monitoring Results for Individual Wells

WELL BGO 1D

<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>
N73737.9 E58779.3	33.284765 °N 81.655257 °W	245.0-225.0 ft msl	295.1 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 64.79 ft (19.75 m) below TOC
Water elevation: 230.31 ft (70.20 m) msl
Sp. conductance: 48 µS/cm
Turbidity: 26.3 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 12: 23
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 17.2 °C

Volumes purged: 2.3 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.5	1.00	J1	pH	0	GE
		Specific conductance	43	1.00		µS/cm	0	GE
		Turbidity	254	10.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	947	1.00		µg/L	2	GE
		Aluminum, total recoverable	1,120	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	16	1.00		µg/L	0	GE
		Barium, total recoverable	16	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	66	1.00		µg/L	0	GE
		Calcium, total recoverable	67	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,690	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	7.0	1.00		µg/L	0	GE
		Copper, total recoverable	7.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 1D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	362	1.00		µg/L	2	GE
		Iron, total recoverable	426	1.00		µg/L	2	GE
		Lead, total recoverable	7.3	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	171	1.00		µg/L	0	GE
		Magnesium, total recoverable	173	1.00		µg/L	0	GE
		Manganese, total recoverable	26	1.00		µg/L	1	GE
		Manganese, total recoverable	26	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	670	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	7,130	1.00		µg/L	0	GE
		Silica, total recoverable	7,510	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	7,040	1.00		µg/L	0	GE
		Sodium, total recoverable	7,080	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.3	1.00		µg/L	0	GE
		Tin, total recoverable	3.2	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	30,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	26	1.00		µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	17	1.00		µg/L	0	GE
		Zinc, total recoverable	17	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 1D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon-14	< -4.8E+00	1.00		pCi/L	0	GP
		Gross alpha	7.0E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	< 5.3E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	2.1E+00	1.00	JV2	pCi/L	0	GP
		Tritium	1.4E+01	1.00		pCi/mL	1	GP
		Uranium-233/234	1.2E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 7.1E-02	1.00		pCi/L	0	GP
		Uranium-238	< 7.1E-02	1.00		pCi/L	0	GP

WELL BGO 2D

<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>
N74552.9	33.286617 °N	238.9-218.9 ft msl	296.9 ft msl	4" PVC	S	Water Table (IIB ₂)
E58809.7	81.656760 °W					

FIELD MEASUREMENTS

Sample date: 02/03/94
Depth to water: 58.95 ft (17.97 m) below TOC
Water elevation: 237.95 ft (72.53 m) msl
Sp. conductance: 43 µS/cm
Turbidity: 1.3 NTU
Water evacuated before sampling: 42 gal

Time: 14: 26
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 19.0 °C

Volumes purged: 3.4 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.9	1.00	J1	pH	0	GE
•		pH	5.1	1.00	J1	pH	0	GE
•		pH	6.4	1.00	J	pH	0	WA
•		pH	6.0	1.00	J	pH	0	WA
•		pH	6.0	1.00	J	pH	0	WA
		Specific conductance	37	1.00		µS/cm	0	GE
		Specific conductance	38	1.00		µS/cm	0	GE
		Specific conductance	33	1.00		µS/cm	0	WA
		Specific conductance	33	1.00		µS/cm	0	WA
		Turbidity	16	1.00		NTU	0	GE
		Turbidity	12	1.00		NTU	0	GE
•		Turbidity	5.5	1.00	J	NTU	0	WA
•		Turbidity	6.3	1.00	J	NTU	0	WA
•		Turbidity	6.4	1.00	J	NTU	0	WA
		Acetophenone	< 10	1.00		µg/L	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Acetophenone	< 11	1.10		µg/L	0	WA
		Acetophenone	< 11	1.10		µg/L	0	WA
•		Aldrin	< 0.052	1.00	J1	µg/L	0	GE
•		Aldrin	< 0.051	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	91	1.00		µg/L	2	GE
		Aluminum, total recoverable	93	1.00		µg/L	2	GE
		Aluminum, total recoverable	101	1.00		µg/L	2	GE
		Aluminum, total recoverable	170	1.00		µg/L	2	WA
		Aluminum, total recoverable	173	1.00		µg/L	2	WA
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE

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WELL BGO 2D collected on 02/03/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Barium, total recoverable	21	1.00		µg/L	0	GE
		Barium, total recoverable	21	1.00		µg/L	0	GE
		Barium, total recoverable	20	1.00		µg/L	0	GE
		Barium, total recoverable	21	1.00		µg/L	0	WA
		Barium, total recoverable	20	1.00		µg/L	0	WA
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<5.0	1.00		µg/L	0	WA
		Benzene	<5.0	1.00		µg/L	0	WA
		Benzene	<5.0	1.00		µg/L	0	WA
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<5.0	1.00		µg/L	0	WA
		Bromodichloromethane	<5.0	1.00		µg/L	0	WA
		Bromodichloromethane	<5.0	1.00		µg/L	0	WA
		Bromodichloromethane	<5.0	1.00		µg/L	0	WA
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<5.0	1.00		µg/L	0	WA
		Bromoform	<5.0	1.00		µg/L	0	WA
		Bromoform	<5.0	1.00		µg/L	0	WA
		Bromoform	<5.0	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1.00		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	WA
		Calcium, total recoverable	1,050	1.00		µg/L	0	GE
		Calcium, total recoverable	1,050	1.00		µg/L	0	GE
		Calcium, total recoverable	1,030	1.00		µg/L	0	GE
		Calcium, total recoverable	1,100	1.00		µg/L	0	WA
		Calcium, total recoverable	1,050	1.00		µg/L	0	WA
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<5.0	1.00		µg/L	0	WA
		Carbon tetrachloride	<5.0	1.00		µg/L	0	WA
		Carbon tetrachloride	<5.0	1.00		µg/L	0	WA
		Chloride	2,580	1.00		µg/L	0	GE
		Chloride	2,770	1.00		µg/L	0	GE
		Chloride	2,840	1.00		µg/L	0	WA

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WELL RGO 2D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloride	2,970	1.00		µg/L	0	WA
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<5.0	1.00		µg/L	0	WA
		Chlorobenzene	<5.0	1.00		µg/L	0	WA
		Chlorobenzene	<5.0	1.00		µg/L	0	WA
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<10	1.00		µg/L	0	WA
		Chloroethane	<10	1.00		µg/L	0	WA
		Chloroethane	<10	1.00		µg/L	0	WA
		Chloroethane	<10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1.00		µg/L	0	WA
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<5.0	1.00		µg/L	0	WA
		Chloroform	<5.0	1.00		µg/L	0	WA
		Chloroform	<5.0	1.00		µg/L	0	WA
		Chloroform	<5.0	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1.00		µg/L	0	WA
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	WA
		Chromium, total recoverable	<4.0	1.00		µg/L	0	WA
		Copper, total recoverable	4.2	1.00	J	µg/L	0	GE
		Copper, total recoverable	4.2	1.00	J	µg/L	0	GE
		Copper, total recoverable	5.0	1.00	J	µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	WA
		Copper, total recoverable	4.2	1.00		µg/L	0	WA
		Cyanide	<5.0	1.00		µg/L	0	GE
•		Cyanide	<5.0	1.00	J1	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	WA
		Cyanide	<5.0	1.00		µg/L	0	WA
•		p,p'-DDT	<0.10	1.00	J1	µg/L	0	GE
•		p,p'-DDT	<0.10	1.00	J1	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<5.0	1.00		µg/L	0	WA

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WELL BGO 2D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	< 5.0	1.00		µg/L	0	WA
		Dibromochloromethane	< 5.0	1.00		µg/L	0	WA
		Dibromochloromethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 5.0	1.00		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 1.6	1.00	J	µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 1.3	1.00	J	µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 1.1	1.00	J	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 1.0	1.00		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.0	1.00		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 2.2	2.10		µg/L	0	WA
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloropropane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloropropane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloropropane	< 5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		Dieldrin	< 0.52	1.00	J1	µg/L	0	GE

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WELL BGO 2D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		Dieldrin	<0.51	1.00	J1	µg/L	0	GE
•		Endrin	<0.0062	1.00	J1	µg/L	0	GE
•		Endrin	<0.0061	1.00	J1	µg/L	0	GE
		Endrin	<0.10	1.00		µg/L	0	WA
		Endrin	<0.10	1.00		µg/L	0	WA
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<5.0	1.00		µg/L	0	WA
		Ethylbenzene	<5.0	1.00		µg/L	0	WA
		Ethylbenzene	<5.0	1.00		µg/L	0	WA
		Ethylbenzene	<5.0	1.00		µg/L	0	WA
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	WA
		Fluoride	<100	1.00		µg/L	0	WA
•		Heptachlor	<0.052	1.00	J1	µg/L	0	GE
•		Heptachlor	<0.051	1.00	J1	µg/L	0	GE
		Iron, total recoverable	24	1.00		µg/L	0	GE
		Iron, total recoverable	24	1.00		µg/L	0	GE
		Iron, total recoverable	31	1.00		µg/L	0	GE
		Iron, total recoverable	233	1.00		µg/L	1	WA
		Iron, total recoverable	168	1.00		µg/L	1	WA
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	WA
		Lead, total recoverable	<3.0	1.00		µg/L	0	WA
•		Lindane	<0.0052	1.00	J1	µg/L	0	GE
•		Lindane	<0.0051	1.00	J1	µg/L	0	GE
		Lindane	<0.052	1.00		µg/L	0	WA
		Lindane	<0.052	1.00		µg/L	0	WA
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	WA
		Lithium, total recoverable	<5.0	1.00		µg/L	0	WA
		Magnesium, total recoverable	1,090	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,090	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,050	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,030	1.00		µg/L	0	WA
		Magnesium, total recoverable	1,020	1.00		µg/L	0	WA
		Manganese, total recoverable	2.6	1.00	J	µg/L	0	GE
		Manganese, total recoverable	2.6	1.00	J	µg/L	0	GE
		Manganese, total recoverable	2.7	1.00	J	µg/L	0	GE
		Manganese, total recoverable	5.3	1.00		µg/L	0	WA
		Manganese, total recoverable	3.4	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
•		Methoxychlor	<0.52	1.00	J1	µg/L	0	GE
•		Methoxychlor	<0.51	1.00	J1	µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	WA
		Methoxychlor	<0.52	1.00		µg/L	0	WA
		Naphthalene	<10	1.00		µg/L	0	GE

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WELL BGO 2D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	WA
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	WA
		Nitrate as nitrogen	2,220	10.00		µg/L	0	WA
		Nitrate as nitrogen	2,300	10.00		µg/L	0	WA
		Nitrate-nitrite as nitrogen	2,200	5.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,000	5.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,150	5.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	WA
		Phenols	< 5.0	1.00		µg/L	0	WA
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	WA
		Potassium, total recoverable	< 500	1.00		µg/L	0	WA
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	WA
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	WA
		Silica, total recoverable	6,450	1.00		µg/L	0	GE
		Silica, total recoverable	6,460	1.00		µg/L	0	GE
		Silica, total recoverable	6,290	1.00		µg/L	0	GE
		Silica, total recoverable	6,870	2.10		µg/L	0	WA
		Silica, total recoverable	6,340	2.10		µg/L	0	WA
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	WA
		Silver, total recoverable	< 2.0	1.00		µg/L	0	WA
		Sodium, total recoverable	2,350	1.00		µg/L	0	GE
		Sodium, total recoverable	2,350	1.00		µg/L	0	GE
		Sodium, total recoverable	2,230	1.00		µg/L	0	GE
		Sodium, total recoverable	2,270	1.00		µg/L	0	WA
		Sodium, total recoverable	2,150	1.00		µg/L	0	WA
		Sulfate	< 1,000	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	WA
		Sulfate	< 1,000	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	< 5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	< 5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	< 5.0	1.00		µg/L	0	WA

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WELL BGO 2D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 17	1.00		µg/L	0	WA
		Tin, total recoverable	< 17	1.00		µg/L	0	WA
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 5.0	1.00		µg/L	0	WA
		Toluene	< 5.0	1.00		µg/L	0	WA
		Toluene	< 5.0	1.00		µg/L	0	WA
		Total dissolved solids	30,000	1.00	JV2	µg/L	0	GE
		Total dissolved solids	37,000	1.00	JV2	µg/L	0	GE
		Total dissolved solids	16,000	1.00		µg/L	0	WA
		Total dissolved solids	13,000	1.00		µg/L	0	WA
		Total dissolved solids	11,000	1.00		µg/L	0	WA
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	WA
		Total organic carbon	< 1,000	1.00		µg/L	0	WA
		Total organic carbon	< 1,000	1.00		µg/L	0	WA
		Total organic halogens	59	1.00		µg/L	2	GE
		Total organic halogens	22	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	WA
		Total organic halogens	< 5.0	1.00		µg/L	0	WA
		Total phosphates (as P)	70	1.00	J	µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	WA
		Total phosphates (as P)	< 50	1.00		µg/L	0	WA
		Total phosphates (as P)	< 50	1.00		µg/L	0	WA
•		Toxaphene	< 0.25	1.00	J1	µg/L	0	GE
•		Toxaphene	< 0.25	1.00	J1	µg/L	0	GE
		Toxaphene	< 1.0	1.00		µg/L	0	WA
		Toxaphene	< 1.0	1.00		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.00049	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.53	1.00		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53	1.00		µg/L	0	WA
		2,4,5-TP (Silvex)	< 1.1	2.10		µg/L	0	WA
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 5.0	1.00		µg/L	0	WA
		Trichloroethylene	< 5.0	1.00		µg/L	0	WA
		Trichloroethylene	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE

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WELL BGO 2D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 5.0	1.00		µg/L	0	WA
		Xylenes	< 5.0	1.00		µg/L	0	WA
		Xylenes	< 5.0	1.00		µg/L	0	WA
		Xylenes	< 5.0	1.00		µg/L	0	WA
		Zinc, total recoverable	2.0	1.00	J	µg/L	0	GE
		Zinc, total recoverable	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	2.7	1.00	J	µg/L	0	GE
		Zinc, total recoverable	10	1.00		µg/L	0	WA
		Zinc, total recoverable	7.3	1.00		µg/L	0	WA
		Carbon-14	1.1E+01	1.00		pCi/L	0	CN
		Carbon-14	1.0E+00	1.00		pCi/L	0	CN
		Carbon-14	< -4.4E+00	1.00		pCi/L	0	GP
		Carbon-14	< 2.6E+00	1.00		pCi/L	0	GP
		Gross alpha	1.8E+00	1.00	J	pCi/L	0	GP
		Gross alpha	3.7E+00	1.00		pCi/L	0	GP
		Gross alpha	7.5E+00	1.00		pCi/L	1	TM
		Gross alpha	6.5E+00	1.00		pCi/L	0	TM
		Gross alpha	6.4E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	1.9E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	4.9E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	5.7E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	6.2E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	4.5E+00	1.00		pCi/L	0	TM
		Radium-226	9.2E-01	1.00		pCi/L	0	TM
		Radium-226	1.3E+00	1.00		pCi/L	0	TM
		Radium-226	1.3E+00	1.00		pCi/L	0	TM
		Radium-228	1.9E+00	1.00		pCi/L	0	TM
		Radium-228	1.8E+00	1.00		pCi/L	0	TM
		Radium-228	1.4E+00	1.00		pCi/L	0	TM
		Radium, total alpha-emitting	1.9E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.8E+00	1.00		pCi/L	0	GP
		Tritium	1.9E+01	1.00		pCi/mL	1	GP
		Tritium	1.9E+01	1.00		pCi/mL	1	GP
		Tritium	2.0E+01	1.00		pCi/mL	1	TM
■		Tritium	2.1E+01	1.00		pCi/mL	2	TM
■		Tritium	2.1E+01	1.00		pCi/mL	2	TM
		Uranium-233/234	1.4E-01	1.00		pCi/L	0	CN
		Uranium-233/234	2.7E-01	1.00		pCi/L	0	CN
		Uranium-233/234	7.2E-02	1.00	J	pCi/L	0	GP
		Uranium-233/234	8.7E-02	1.00	J	pCi/L	0	GP
		Uranium-235	1.1E-02	1.00		pCi/L	0	CN
		Uranium-235	5.2E-02	1.00		pCi/L	0	CN
		Uranium-235	< -4.9E-03	1.00		pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP

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WELL BGO 2D collected on 02/03/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-238	2.1E-01	1.00		pCi/L	0	CN
		Uranium-238	1.8E-01	1.00		pCi/L	0	CN
		Uranium-238	9.5E-02	1.00	J	pCi/L	0	GP
		Uranium-238	< 8.0E-03	1.00		pCi/L	0	GP

WELL BGO 3D

<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>
N75351.3	33.288382 °N	247.6-227.6 ft msl	292.7 ft msl	4" PVC	S	Water Table (IIB ₂)
E58809.2	81.658312 °W					

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 57.95 ft (17.66 m) below TOC
Water elevation: 234.75 ft (71.55 m) msl
Sp. conductance: 55 µS/cm
Turbidity: 16.4 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 9: 35
pH: 4.2
Alkalinity: 0 mg/L
Water temperature: 9.4 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.5	1.00	J1	pH	0	GE
		Specific conductance	47	1.00		µS/cm	0	GE
•		Turbidity	12	1.00	J1	NTU	0	GE
		Acetophenone	< 9.9	1.00		µg/L	0	GE
		Aldrin	< 0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	213	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	6.8	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	22	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	3,770	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE

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WELL BGO 3D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	8.3	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	55	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	371	1.00		µg/L	0	GE
		Manganese, total recoverable	17	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Naphthalene	<9.9	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,600	2.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,580	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,890	1.00		µg/L	0	GE
		Sulfate	1,400	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.3	1.00	J	µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 3D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	34,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	22	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	5.2	1.00		µg/L	0	GE
		Carbon-14	2.6E+01	1.00	J	pCi/L	0	GP
		Gross alpha	2.4E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E+00	1.00		pCi/L	0	GP
■		Tritium	3.7E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 5.9E-02	1.00		pCi/L	0	GP
		Uranium-235	< 1.0E-02	1.00		pCi/L	0	GP
		Uranium-238	< 4.9E-02	1.00		pCi/L	0	GP

WELL BGO 5C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76476.9	33.290848 °N	193.2-183.2 ft msl	296.1 ft msl	4" PVC	S	McBean (IIB ₁)
E58794.5	81.660537 °W					

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 80.76 ft (24.62 m) below TOC
Water elevation: 215.34 ft (65.64 m) msl
Sp. conductance: 50 µS/cm
Turbidity: 10.6 NTU
Water evacuated before sampling: 17 gal
The well went dry during purging.

Time: 9: 55
pH: 6.5
Alkalinity: 13 mg/L
Water temperature: 18.1 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.5	1.00	J1	pH	0	GE
		Specific conductance	47	1.00		µS/cm	0	GE
•		Turbidity	24	1.00	J1	NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	408	1.00		µg/L	2	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 5C collected on 02/04/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	10	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	6,490	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,860	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	6.7	1.00		µg/L	0	GE
		Copper, total recoverable	4.6	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00	J1	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	44	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	412	1.00		µg/L	0	GE
		Manganese, total recoverable	17	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	940	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	970	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	13,500	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,890	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 5C collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	48,000	1.00		µg/L	0	GE
		Total dissolved solids	49,000	1.00		µg/l	0	GE
		Total organic carbon	1,060	1.00	J	µg/L	0	GE
		Total organic halogens	6.0	1.00	J	µg/L	0	GE
		Total phosphates (as P)	120	1.00		µg/L	0	GE
		Total phosphates (as P)	130	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.00044	1.00	J1	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	32	1.00		µg/L	0	GE
		Carbon-14	6.8E+00	1.00	J	pCi/L	0	GP
		Gross alpha	1.6E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.0E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.8E+00	1.00		pCi/L	0	GP
■		Tritium	2.9E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 7.9E-02	1.00		pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	< 7.9E-02	1.00		pCi/L	0	GP

WELL BGO 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76477.5	33.290833 °N	239.3-219.3 ft msl	296.3 ft msl	4" PVC	S	Water Table (IIB ₂)
E58784.8	81.660564 °W					

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 65.35 ft (19.92 m) below TOC
Water elevation: 230.95 ft (70.39 m) msl
Sp. conductance: 44 µS/cm
Turbidity: 5.4 NTU
Water evacuated before sampling: 6 gal
The well went dry during purging.

Time: 10: 02
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 18.9 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		pH	5.0	1.00		pH	0	GE
•		pH	5.0	1.00	J1	pH	0	GE
		Specific conductance	39	1.00		µS/cm	0	GE
		Turbidity	12	1.00		NTU	0	GE
•		Turbidity	13	1.00	J1	NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	71	1.00		µg/L	2	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 5D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	50	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	858	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	3,820	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	7.3	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00	J3	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	35	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	959	1.00		µg/L	0	GE
		Manganese, total recoverable	30	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,980	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,060	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,250	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 5D collected on 02/04/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	4.1	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	37,000	1.00		µg/L	0	GE
		Total organic carbon	1,900	1.00		µg/L	0	GE
		Total organic carbon	1,980	1.00		µg/L	0	GE
		Total organic halogens	5.4	1.00	J	µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	8.8	1.00		µg/L	0	GE
		Carbon-14	< 4.8E+00	1.00		pCi/L	0	GP
		Gross alpha	5.5E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	3.7E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	5.6E+00	1.00		pCi/L	0	GP
■		Tritium	2.4E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 4.9E-02	1.00		pCi/L	0	GP
		Uranium-235	< 4.0E-02	1.00		pCi/L	0	GP
		Uranium-238	7.1E-02	1.00	J	pCi/L	0	GP

WELL BGO 6A

<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>
N76487.2	33.290091 °N	117.5-107.5 ft msl	285.6 ft msl	4" PVC	S	U. Congaree (IIA)
E58316.8	81.661815 °W					

FIELD MEASUREMENTS

Sample date: 02/24/94
Depth to water: 126.46 ft (38.55 m) below TOC
Water elevation: 159.14 ft (48.51 m) msl
Sp. conductance: 304 µS/cm
Turbidity: 1.8 NTU
Water evacuated before sampling: 127 gal

Time: 9: 48
pH: 7.7
Alkalinity: 123 mg/L
Water temperature: 18.7 °C

Volumes purged: 3.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
●		pH	7.5	1.00	J1	pH	0	GE
		Specific conductance	297	1.00		µS/cm	1	GE
		Turbidity	1.1	1.00		NTU	0	GE
		Turbidity	1.1	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	< 20	1.00		µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	2.6	1.00	J	µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6A collected on 02/24/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Barium, total recoverable	44	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	57,300	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	3,000	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	66	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6A collected on 02/24/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,470	1.00		µg/L	0	GE
		Manganese, total recoverable	4.6	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.51	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	< 50	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	835	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	41,400	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,290	1.00		µg/L	0	GE
		Sulfate	7,920	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	208,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	7.2	1.00	J	µg/L	0	GE
		Total organic halogens	7.8	1.00	J	µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	< 2.0	1.00		µg/L	0	GE
		Carbon-14	< 4.1E+00	1.00		pCi/L	0	GP
		Carbon-14	< 3.5E+00	1.00		pCi/L	0	GP
		Gross alpha	< 2.6E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1.00	J	pCi/L	0	GP
		Tritium	< 1.4E-02	1.00		pCi/mL	0	GP
		Uranium-233/234	8.0E-01	1.00	J	pCi/L	0	GP
		Uranium-235	1.9E+00	1.00		pCi/L	0	GP
		Uranium-238	1.9E+00	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76553.2 E58346.5	33.290286 °N 81.661865 °W	149.7-139.7 ft msl	286.8 ft msl	4" PVC	S	M. B/McB

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 67.76 ft (20.65 m) below TOC
Water elevation: 219.04 ft (66.76 m) msl
Sp. conductance: 192 µS/cm
Turbidity: 6.1 NTU
Water evacuated before sampling: 41 gal
The well went dry during purging.

Time: 10: 57
pH: 9.5
Alkalinity: 70 mg/L
Water temperature: 18.8 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.7	1.00	J1	pH	0	GE
•		pH	6.8	1.00	J1	pH	0	GE
		Specific conductance	193	1.00		µS/cm	0	GE
		Turbidity	1.2	1.00		NTU	0	GE
		Turbidity	1.2	1.00		NTU	0	GE
		Acetophenone	< 11	1.00		µg/L	0	GE
		Aldrin	< 0.056	1.00		µg/L	0	GE
		Aluminum, total recoverable	< 20	1.00		µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	35	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	32,200	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,340	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.11	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6B collected on 01/25/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dieldrin	<0.56	1.00		µg/L	0	GE
		Endrin	<0.0067	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.056	1.00		µg/L	0	GE
		Iron, total recoverable	348	1.00		µg/L	2	GE
		Lead, total recoverable	7.3	1.00		µg/L	0	GE
		Lindane	<0.0056	1.00		µg/L	0	GE
		Lithium, total recoverable	21	1.00		µg/L	0	GE
		Magnesium, total recoverable	866	1.00		µg/L	0	GE
		Manganese, total recoverable	5.3	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.56	1.00		µg/L	0	GE
		Naphthalene	<11	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	320	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	2,240	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	19,300	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,790	1.00		µg/L	0	GE
		Sulfate	5,100	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.1	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	127,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	10,300	100.00		µg/L	2	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.27	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	9.1E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	JV2	pCi/L	0	GP
■		Tritium	2.1E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	<-6.9E-03	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<-1.4E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76487.1 E58307.0	33.290075 °N 81.661841 °W	168.0-158.0 ft msl	285.6 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 65.47 ft (19.96 m) below TOC
Water elevation: 220.13 ft (67.10 m) msl
Sp. conductance: 136 μ S/cm
Turbidity: 0.3 NTU
Water evacuated before sampling: 108 gal

Time: 10: 29
pH: 7.5
Alkalinity: 53 mg/L
Water temperature: 19.6 °C
Volumes purged: 2.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.6	1.00	J1	pH	0	GE
		Specific conductance	127	1.00		μ S/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.050	1.00		μ g/L	0	GE
		Aluminum, total recoverable	<20	1.00		μ g/L	0	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	11	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	23,100	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,160	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		Dieldrin	<0.50	1.00		μ g/L	0	GE
		Endrin	<0.0060	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6C collected on 01/25/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	< 4.0	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	543	1.00		µg/L	0	GE
		Manganese, total recoverable	< 2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	720	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	11,400	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,990	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	79,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	3.6	1.00		µg/L	0	GE
		Carbon-14	3.6E+01	1.00	J	pCi/L	0	GP
		Gross alpha	3.3E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.0E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1.00	JV2	pCi/L	0	GP
		Total activity	9.7E+05	1.00		pCi/L	0	EM
■		Tritium	8.9E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	< 1.3E-01	1.00		pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	< 4.6E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6D

<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>
N76487.3 E58297.1	33.290059 °N 81.661867 °W	237.2-217.2 ft msl	285.5 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 53.85 ft (16.41 m) below TOC
Water elevation: 231.65 ft (70.61 m) msl
Sp. conductance: 130 μ S/cm
Turbidity: 2.3 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 10: 04
pH: 6.6
Alkalinity: 51 mg/L
Water temperature: 17.1 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.6	1.00	J1	pH	0	GE
		Specific conductance	127	1.00		μ S/cm	0	GE
		Specific conductance	129	1.00		μ S/cm	0	GE
		Turbidity	5.6	1.00		NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.051	1.00		μ g/L	0	GE
		Aluminum, total recoverable	206	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	28	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	20,000	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	1,980	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	6.9	1.00		μ g/L	0	GE
		Cyanide	5.4	1.00	J	μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	1.9	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 6D collected on 01/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	112	1.00		µg/L	0	GE
		Lead, total recoverable	10	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,170	1.00		µg/L	0	GE
		Manganese, total recoverable	20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	430	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	795	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	10,200	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,840	1.00		µg/L	0	GE
		Sulfate	1,390	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	3.3	1.00		µg/L	1	GE
		Tin, total recoverable	5.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	62,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	29	1.00		µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
■		Trichloroethylene	23	1.00		µg/L	2	GE
		Trichlorofluoromethane	2.9	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	37	1.00		µg/L	0	GE
		Carbon-14	<6.3E+00	1.00		pCi/L	0	GP
		Gross alpha	1.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1.00	JV2	pCi/L	0	GP
		Total activity	9.6E+05	1.00		pCi/L	0	EM
■		Tritium	1.0E+03	1.00		pCi/mL	2	GP
		Uranium-233/234	<8.2E-02	1.00		pCi/L	0	GP
		Uranium-235	<1.1E-02	1.00		pCi/L	0	GP
		Uranium-238	<4.1E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76494.5 E57917.2	33.289455 °N 81.662882 °W	240.2-220.2 ft msl	287 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 54.82 ft (16.71 m) below TOC
Water elevation: 232.18 ft (70.77 m) msl
Sp. conductance: 32 µS/cm
Turbidity: 1.1 NTU
Water evacuated before sampling: 105 gal

Time: 11: 27
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 19.4 °C

Volumes purged: 13.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1.00	J1	pH	0	GE
		Specific conductance	29	1.00		µS/cm	0	GE
		Turbidity	0.32	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.052	1.00		µg/L	0	GF
		Aluminum, total recoverable	34	1.00		µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	7.9	1.00		µg/L	0	GE
		Benzene	<5.0	5.00		µg/L	0	GE
		Bromodichloromethane	<5.0	5.00		µg/L	0	GE
		Bromoform	<5.0	5.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<5.0	5.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	772	1.00		µg/L	0	GE
		Carbon tetrachloride	<5.0	5.00		µg/L	0	GE
		Chloride	2,570	1.00		µg/L	0	GE
		Chloride	2,610	1.00		µg/L	0	GE
		Chlorobenzene	<5.0	5.00		µg/L	0	GE
		Chloroethane	<5.0	5.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<5.0	5.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<5.0	5.00		µg/L	0	GE
		Chloroform	6.4	5.00	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<5.0	5.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<5.0	5.00		µg/L	0	GE
		1,1-Dichloroethane	<5.0	5.00		µg/L	0	GE
		1,2-Dichloroethane	<5.0	5.00		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	5.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	5.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	5.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<5.0	5.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	5.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	5.00		µg/L	0	GE
		Dieldrin	<0.52	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 7D collected on 01/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0062	1.00		µg/L	0	GE
		Ethylbenzene	<5.0	5.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	18	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	538	1.00		µg/L	0	GE
		Manganese, total recoverable	12	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	960	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,980	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,530	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	5.00		µg/L	0	GE
■		Tetrachloroethylene	13	5.00		µg/L	2	GE
		Tin, total recoverable	2.0	1.00	J	µg/L	0	GE
		Toluene	<5.0	5.00		µg/L	0	GE
		Total dissolved solids	24,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	149	1.00		µg/L	2	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	5.00		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	5.00		µg/L	0	GE
■		Trichloroethylene	175	5.00		µg/L	2	GE
		Trichlorofluoromethane	<5.0	5.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<10	5.00		µg/L	0	GE
		Zinc, total recoverable	2.2	1.00	J	µg/L	0	GE
		Carbon-14	2.4E+01	1.00	J	pCi/L	0	GP
		Gross alpha	1.8E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	8.5E-01	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.2E+00	1.00	JV2	pCi/L	0	GP
■		Tritium	6.5E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	<3.2E-02	1.00		pCi/L	0	GP
		Uranium-235	<4.6E-02	1.00		pCi/L	0	GP
		Uranium-238	<5.3E-02	1.00		pCi/L	0	GP

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WELL BGO 8AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76598.8 E57617.5	33.289197 °N 81.663874 °W	104.6-94.6 ft msl	286.6 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 126.51 ft (38.56 m) below TOC
Water elevation: 160.09 ft (48.80 m) msl
Sp. conductance: 279 µS/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 158 gal

Time: 12: 43
pH: 7.4
Alkalinity: 107 mg/L
Water temperature: 19.7 °C
Volumes purged: 3.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1.00	J1	pH	0	GE
		Specific conductance	267	1.00		µS/cm	1	GE
		Turbidity	0.12	1.00	J	NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.054	1.00		µg/L	0	GE
		Aluminum, total recoverable	20	1.00	J	µg/L	0	GE
		Aluminum, total recoverable	< 20	1.00		µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	26	1.00		µg/L	0	GE
		Barium, total recoverable	26	1.00	J3	µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	49,900	1.00		µg/L	0	GE
		Calcium, total recoverable	52,000	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,500	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.11	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8AR collected on 01/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.54	1.00		µg/L	0	GE
		Endrin	<0.0064	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.054	1.00		µg/L	0	GE
		Iron, total recoverable	13	1.00		µg/L	0	GE
		Iron, total recoverable	9.7	1.00	J3	µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0054	1.00		µg/L	0	GE
		Lithium, total recoverable	5.9	1.00	J	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00	J3	µg/L	0	GE
		Magnesium, total recoverable	1,380	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,350	1.00	J3	µg/L	0	GE
		Manganese, total recoverable	11	1.00		µg/L	0	GE
		Manganese, total recoverable	12	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.54	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	5.1	1.00	J	µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	2,040	1.00		µg/L	0	GE
		Potassium, total recoverable	1,310	1.00	J3	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	34,300	1.00		µg/L	0	GE
		Silica, total recoverable	33,900	1.00	J3	µg/L	0	GE
		Silver, total recoverable	3.7	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,300	1.00		µg/L	0	GE
		Sodium, total recoverable	2,320	1.00	J3	µg/L	0	GE
		Sulfate	6,300	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	8.8	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	182,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	47	1.00		µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.26	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	3.4	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE

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WELL BGO 8AR collected on 01/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Zinc, total recoverable	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	<2.0	1.00		µg/L	0	GE
		Carbon-14	3.0E+01	1.00	J	pCi/L	0	GP
		Gross alpha	<2.5E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1.00	JV2	pCi/L	0	GP
		Tritium	<5.0E-02	1.00		pCi/mL	0	GP
		Tritium	<0.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	<-1.6E-02	1.00		pCi/L	0	GP
		Uranium-235	<-1.6E-02	1.00		pCi/L	0	GP
		Uranium-238	<3.8E-02	1.00		pCi/L	0	GP

WELL BGO 8C

SRS Coord.	Lat/Lorigitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76579.2	33.289156 °N	184.3-174.3 ft msl	287.9 ft msl	4" PVC	S	McBean (IIB ₁)
E57618.7	81.663832 °W					

FIELD MEASUREMENTS

Sample date: 01/28/94
Depth to water: 64.20 ft (19.57 m) below TOC
Water elevation: 223.70 ft (68.18 m) msl
Sp. conductance: 133 µS/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 135 gal

Time: 13: 14
pH: 7.2
Alkalinity: 51 mg/L
Water temperature: 19.9 °C

Volumes purged: 4.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.0	1.00	J1	pH	0	GE
•		pH	7.2	1.00	J1	pH	0	GE
•		pH	7.2	1.00	J1	pH	0	GE
•		pH	7.2	1.00	J	pH	0	WA
•		pH	7.2	1.00	J	pH	0	WA
		Specific conductance	106	1.00		µS/cm	0	GE
		Specific conductance	108	1.00		µS/cm	0	GE
		Specific conductance	110	1.00		µS/cm	0	WA
		Specific conductance	104	1.00		µS/cm	0	WA
•		Turbidity	1.3	1.00	J1	NTU	0	GE
		Turbidity	0.51	1.00		NTU	0	GE
•		Turbidity	0.47	1.00	J1	NTU	0	GE
•		Turbidity	0.59	1.00	J	NTU	0	WA
•		Turbidity	0.54	1.00	J	NTU	0	WA
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	WA
		Acetophenone	<10	1.00		µg/L	0	WA
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aldrin	<0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	41	1.00		µg/L	1	GE
		Aluminum, total recoverable	35	1.00		µg/L	1	GE
		Aluminum, total recoverable	39	1.00		µg/L	1	WA

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8C collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	29	1.00		µg/L	1	WA
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Barium, total recoverable	9.9	1.00		µg/L	0	GE
		Barium, total recoverable	10	1.00		µg/L	0	GE
		Barium, total recoverable	9.8	1.00		µg/L	0	WA
		Barium, total recoverable	9.7	1.00		µg/L	0	WA
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<5.0	1.00		µg/L	0	WA
		Benzene	<5.0	1.00		µg/L	0	WA
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<5.0	1.00		µg/L	0	WA
		Bromodichloromethane	<5.0	1.00		µg/L	0	WA
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<5.0	1.00		µg/L	0	WA
		Bromoform	<5.0	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1.00		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	WA
		Calcium, total recoverable	18,200	1.00		µg/L	0	GE
		Calcium, total recoverable	18,600	1.00		µg/L	0	GE
		Calcium, total recoverable	19,000	1.00		µg/L	0	WA
		Calcium, total recoverable	19,500	1.00		µg/L	0	WA
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<5.0	1.00		µg/L	0	WA
		Carbon tetrachloride	<5.0	1.00		µg/L	0	WA
		Chloride	2,220	1.00		µg/L	0	GE
		Chloride	2,240	1.00		µg/L	0	GE
		Chloride	2,440	1.00		µg/L	0	WA
		Chloride	2,420	1.00		µg/L	0	WA
		Chloride	2,570	1.00		µg/L	0	WA
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<5.0	1.00		µg/L	0	WA
		Chlorobenzene	<5.0	1.00		µg/L	0	WA
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<10	1.00		µg/L	0	WA
		Chloroethane	<10	1.00		µg/L	0	WA

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WELL BGO 8C collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1.00		µg/L	0	WA
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<5.0	1.00		µg/L	0	WA
		Chloroform	<5.0	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	1.00		µg/L	0	WA
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	4.4	1.00		µg/L	0	WA
		Chromium, total recoverable	<4.0	1.00		µg/L	0	WA
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	WA
		Copper, total recoverable	<4.0	1.00		µg/L	0	WA
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	WA
		Cyanide	<5.0	1.00		µg/L	0	WA
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<5.0	1.00		µg/L	0	WA
		Dibromochloromethane	<5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1.00		µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethylene	<5.0	1.00		µg/L	0	WA
		1,2-Dichloroethylene	<5.0	1.00		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<60	1.00	V	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<60	1.00	V	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE

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WELL BGO 8C collected on 01/28/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	1.03		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<5.0	1.00		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE
		Endrin	<0.11	1.05		µg/L	0	WA
		Endrin	<0.10	1.03		µg/L	0	WA
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<5.0	1.00		µg/L	0	WA
		Ethylbenzene	<5.0	1.00		µg/L	0	WA
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	WA
		Fluoride	<100	1.00		µg/L	0	WA
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	18	1.00		µg/L	0	GE
		Iron, total recoverable	16	1.00		µg/L	0	GE
		Iron, total recoverable	29	1.00		µg/L	0	WA
		Iron, total recoverable	16	1.00		µg/L	0	WA
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	WA
		Lead, total recoverable	<3.0	1.00		µg/L	0	WA
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Lindane	<0.053	1.05		µg/L	0	WA
		Lindane	<0.052	1.03		µg/L	0	WA
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	WA
		Lithium, total recoverable	<5.0	1.00		µg/L	0	WA
		Magnesium, total recoverable	435	1.00		µg/L	0	GE
		Magnesium, total recoverable	441	1.00		µg/L	0	GE
		Magnesium, total recoverable	417	1.00		µg/L	0	WA
		Magnesium, total recoverable	411	1.00		µg/L	0	WA
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	2.2	1.00		µg/L	0	WA
		Manganese, total recoverable	<2.0	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8C collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Methoxychlor	<0.53	1.05		µg/L	0	WA
		Methoxychlor	<0.52	1.03		µg/L	0	WA
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	WA
		Nickel, total recoverable	<4.0	1.00		µg/L	0	WA
		Nitrate as nitrogen	1,010	2.00		µg/L	0	WA
		Nitrate as nitrogen	64	1.00		µg/L	0	WA
		Nitrate-nitrite as nitrogen	610	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	530	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	WA
		Phenols	<5.0	1.00		µg/L	0	WA
		Phenols	<5.0	1.00		µg/L	0	WA
		Potassium, total recoverable	756	1.00	J	µg/L	0	GE
		Potassium, total recoverable	783	1.00	J	µg/L	0	GE
		Potassium, total recoverable	835	1.00		µg/L	0	WA
		Potassium, total recoverable	763	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Silica, total recoverable	12,400	1.00		µg/L	0	GE
		Silica, total recoverable	12,600	1.00		µg/L	0	GE
		Silica, total recoverable	11,900	2.10		µg/L	0	WA
		Silica, total recoverable	12,100	2.10		µg/L	0	WA
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA
		Sodium, total recoverable	2,640	1.00		µg/L	0	GE
		Sodium, total recoverable	2,690	1.00		µg/L	0	GE
		Sodium, total recoverable	2,520	1.00		µg/L	0	WA
		Sodium, total recoverable	2,620	1.00		µg/L	0	WA
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	WA
		Sulfate	1,060	1.00		µg/L	0	WA
		Sulfate	1,040	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<5.0	1.00		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8C collected on 01/28/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	< 5.0	1.00		µg/L	0	WA
		Tin, total recoverable	4.8	1.00		µg/L	0	GE
		Tin, total recoverable	4.5	1.00		µg/L	0	GE
		Tin, total recoverable	< 17	1.00		µg/L	0	WA
		Tin, total recoverable	< 17	1.00		µg/L	0	WA
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 5.0	1.00		µg/L	0	WA
		Toluene	< 5.0	1.00		µg/L	0	WA
		Total dissolved solids	65,000	1.00	JV2	µg/L	0	GE
		Total dissolved solids	75,000	1.00	JV2	µg/L	0	GE
		Total dissolved solids	77,000	1.00		µg/L	0	WA
		Total dissolved solids	79,000	1.00		µg/L	0	WA
		Total dissolved solids	84,000	1.00		µg/L	0	WA
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	WA
		Total organic carbon	< 1,000	1.00		µg/L	0	WA
		Total organic halogens	6.6	1.00	J	µg/L	0	GE
		Total organic halogens	11	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	WA
		Total organic halogens	< 5.0	1.00		µg/L	0	WA
		Total organic halogens	< 5.0	1.00		µg/L	0	WA
		Total phosphates (as P)	80	1.00	J	µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Total phosphates (as P)	161	1.00		µg/L	0	WA
		Total phosphates (as P)	160	1.00		µg/L	0	WA
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		Toxaphene	< 1.0	1.05		µg/L	0	WA
		Toxaphene	< 1.0	1.03		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.00049	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00049	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.52	1.03		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.52	1.03		µg/L	0	WA
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 5.0	1.00		µg/L	0	WA
		Trichloroethylene	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Xylenes	< 2.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 8C collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<5.0	1.00		µg/L	0	WA
		Xylenes	<5.0	1.00		µg/L	0	WA
		Zinc, total recoverable	3.0	1.00	J	µg/L	0	GE
		Zinc, total recoverable	2.3	1.00	J	µg/L	0	GE
		Zinc, total recoverable	7.3	1.00		µg/L	0	WA
		Zinc, total recoverable	5.9	1.00		µg/L	0	WA
		Carbon-14	-1.3E+00	1.00		pCi/L	0	CN
		Carbon-14	6.4E+00	1.00		pCi/L	0	CN
		Carbon-14	4.7E+00	1.00		pCi/L	0	CN
		Carbon-14	<-6.1E-01	1.00		pCi/L	0	GP
		Carbon-14	<-2.6E+00	1.00		pCi/L	0	GP
		Gross alpha	<9.6E-02	1.00		pCi/L	0	GP
		Gross alpha	<3.2E-02	1.00		pCi/L	0	GP
		Gross alpha	<5.2E-01	1.00		pCi/L	0	TM
		Gross alpha	1.2E+00	1.00		pCi/L	0	TM
		Gross alpha	<3.8E-01	1.00		pCi/L	0	TM
		Nonvolatile beta	<7.1E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	8.5E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.2E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	5.2E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	1.2E+00	1.00		pCi/L	0	TM
		Radium-226	2.7E-01	1.00		pCi/L	0	TM
		Radium-226	<1.4E-01	1.00		pCi/L	0	TM
		Radium-226	2.5E-01	1.00		pCi/L	0	TM
		Radium-228	1.5E+00	1.00		pCi/L	0	TM
		Radium-228	1.4E+00	1.00		pCi/L	0	TM
		Radium-228	1.3E+00	1.00		pCi/L	0	TM
		Radium, total alpha-emitting	5.0E-01	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1.00	J	pCi/L	0	GP
		Tritium	1.1E+00	1.00	J	pCi/mL	0	GP
		Tritium	1.0E+00	1.00	J	pCi/mL	0	GP
		Tritium	2.3E+00	1.00		pCi/mL	0	TM
		Tritium	2.5E+00	1.00		pCi/mL	0	TM
		Tritium	2.3E+00	1.00		pCi/mL	0	TM
		Uranium-233/234	9.4E-01	1.00		pCi/L	0	CN
		Uranium-233/234	2.3E-01	1.00		pCi/L	0	CN
		Uranium-233/234	<7.0E-02	1.00		pCi/L	0	GP
		Uranium-233/234	<1.8E-02	1.00		pCi/L	0	GP
		Uranium-235	1.2E-01	1.00		pCi/L	0	CN
		Uranium-235	<0.0E+00	1.00		pCi/L	0	CN
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-235	<2.4E-02	1.00		pCi/L	0	GP
		Uranium-238	6.4E-01	1.00		pCi/L	0	CN
		Uranium-238	9.3E-02	1.00		pCi/L	0	CN
		Uranium-238	<5.0E-02	1.00		pCi/L	0	GP
		Uranium-238	<2.4E-02	1.00		pCi/L	0	GP

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WELL BGO 8D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76588.8 E57617.8	33.289175 °N 81.663853 °W	240.6-220.6 ft msl	287.8 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 55.52 ft (16.92 m) below TOC
Water elevation: 232.28 ft (70.80 m) msl
Sp. conductance: 28 μ S/cm
Turbidity: 0.7 NTU
Water evacuated before sampling: 107 gal

Time: 12: 24
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 19.5 °C

Volumes purged: 14.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.2	1.00	J1	pH	0	GE
		Specific conductance	27	1.00		μ S/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<11	1.00		μ g/L	0	GE
		Aldrin	<0.054	1.00		μ g/L	0	GE
		Aluminum, total recoverable	30	1.00	J	μ g/L	1	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	11	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	708	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,190	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.11	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		Dieldrin	<0.54	1.00		μ g/L	0	GE
		Endrin	<0.0065	1.00		μ g/L	0	GE

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WELL BGO 8D collected on 01/25/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.054	1.00		µg/L	0	GE
		Iron, total recoverable	14	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0054	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	466	1.00		µg/L	0	GE
		Manganese, total recoverable	12	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.54	1.00		µg/L	0	GE
		Naphthalene	<11	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,130	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,650	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,420	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	22,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.26	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	1.2	1.00	J	µg/L	0	GE
		Trichlorofluoromethane	4.4	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	<2.0	1.00		µg/L	0	GE
		Carbon-14	1.3E+02	1.00	J	pCi/L	0	GP
		Gross alpha	1.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.3E+00	1.00	JV2	pCi/L	0	GP
		Tritium	1.2E+01	1.00		pCi/mL	1	GP
		Uranium-233/234	<6.1E-02	1.00		pCi/L	0	GP
		Uranium-235	<8.3E-03	1.00		pCi/L	0	GP
		Uranium-238	<7.7E-02	1.00		pCi/L	0	GP

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WELL BGO 9AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76975.7 E57371.9	33.289630 °N 81.665252 °W	83.8-73.8 ft msl	284.8 ft msl	4" PVC	S	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 127.20 ft (38.77 m) below TOC
Water elevation: 157.60 ft (48.04 m) msl
Sp. conductance: 3760 μ S/cm
Turbidity: 2.6 NTU
Water evacuated before sampling: 43 gal
The well went dry during purging.

Time: 9: 30
pH: 12.6
Alkalinity: 864 mg/L
Water temperature: 17.5 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	13	1.00	J1	pH	2	GE
		Specific conductance	4,130	1.00		μ S/cm	2	GE
		Turbidity	0.95	1.00		NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.051	1.00		μ g/L	0	GE
		Aluminum, total recoverable	1,070	5.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	553	5.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00	Y	μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00	Y	μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00	Y	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00	Y	μ g/L	0	GE
		Cadmium, total recoverable	<10	5.00		μ g/L	0	GE
		Calcium, total recoverable	255,000	5.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00	Y	μ g/L	0	GE
		Chloride	2,310	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00	Y	μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00	Y	μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00	Y	μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00	Y	μ g/L	0	GE
		Chloroform	2.1	1.00		μ g/L	0	GE
		Chloroform	2.2	1.00	Y	μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00	Y	μ g/L	0	GE
		Chromium, total recoverable	<20	5.00		μ g/L	0	GE
		Copper, total recoverable	<20	5.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 9AA collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	<1.0	1.00	Y	µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00	Y	µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00	Y	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00	Y	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00	Y	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00	Y	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00	J3	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00	Y	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00	Y	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00	Y	µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00	Y	µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	40	5.00		µg/L	0	GE
		Lead, total recoverable	14	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	1,200	5.00		µg/L	2	GE
		Magnesium, total recoverable	26	5.00		µg/L	0	GE
		Manganese, total recoverable	<10	5.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<20	5.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	131,000	5.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	2,210	5.00		µg/L	0	GE
		Silver, total recoverable	<10	5.00		µg/L	0	GE
		Sodium, total recoverable	67,700	5.00		µg/L	0	GE
		Sulfate	6,480	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00	Y	µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00	Y	µg/L	0	GE
		Tin, total recoverable	294	5.00		µg/L	2	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00	Y	µg/L	0	GE
		Total dissolved solids	1.0E+06	1.00	JV2	µg/L	0	GE
		Total organic carbon	5,900	1.00		µg/L	1	GE
		Total organic halogens	29	1.00		µg/L	1	GE
		Total organic halogens	40	1.00		µg/L	1	GE
		Total phosphates (as P)	150	1.00		µg/L	0	GE
		Total phosphates (as P)	160	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 9AA collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4,5-TP (Silvex)	<0.00046	1.00	J3	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00	Y	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00	Y	µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00	Y	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00	Y	µg/L	0	GE
		Vanadium, total recoverable	<40	5.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00	Y	µg/L	0	GE
		Gross alpha	6.1E+00	1.00		pCi/L	0	GP
■		Nonvolatile beta	7.8E+01	1.00		pCi/L	2	GP
		Radium, total alpha-emitting	9.0E+00	1.00		pCi/L	0	GP
		Tritium	<0.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	<1.4E-01	1.00		pCi/L	0	GP
		Uranium-235	<3.3E-02	1.00		pCi/L	0	GP
		Uranium-238	<3.9E-02	1.00		pCi/L	0	GP

WELL BGO 9D

<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>
N76811.6	33.289442 °N	229.2-209.2 ft msl	285.1 ft msl	4" PVC	S	Water Table (IIB ₂)
E57478.9	81.664652 °W					

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 69.20 ft (21.09 m) below TOC
Water elevation: 215.90 ft (65.81 m) msl
Sp. conductance: 31 µS/cm
Turbidity: 1.2 NTU
Water evacuated before sampling: 23 gal

Time: 13: 26
pH: 5.0
Alkalinity: 0 mg/L
Water temperature: 20.3 °C

Volumes purged: 5.2 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	1.00	J1	pH	0	GE
		Specific conductance	28	1.00		µS/cm	0	GE
		Specific conductance	29	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	25	1.00	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	13	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE

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WELL BGO 9D collected on 01/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Calcium, total recoverable	1,280	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,960	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	5.3	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	10	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	560	1.00		µg/L	0	GE
		Manganese, total recoverable	24	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,480	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,590	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,730	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,240	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	24,000	1.00		µg/L	0	GE
		Total dissolved solids	29,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	21	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 9D collected on 01/25/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total organic halogens	24	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	15	1.00		µg/L	0	GE
		Carbon-14	5.7E+01	1.00	J	pCi/L	0	GP
		Gross alpha	1.7E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	5.9E-01	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.3E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	3.5E+00	1.00	JV2	pCi/L	0	GP
		Total activity	2.1E+05	10.00		pCi/L	0	EM
■		Tritium	2.4E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	< 1.9E-01	1.00		pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	< 6.2E-02	1.00		pCi/L	0	GP

WELL BGO 10AA

<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>
N76997.9	33.289057 °N	90.8-80.8 ft msl	300.7 ft msl	4" PVC	S	L. Congaree (IIA)
E56990.5	81.666300 °W					

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 143.30 ft (43.68 m) below TOC
Water elevation: 157.40 ft (47.98 m) msl
Sp. conductance: 224 µS/cm
Turbidity: 1.8 NTU
Water evacuated before sampling: 136 gal

Time: 14: 32
pH: 8.8
Alkalinity: 85 mg/L
Water temperature: 19.5 °C
Volumes purged: 2.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.5	1.00	J1	pH	0	GE
		Specific conductance	207	1.00		µS/cm	0	GE
		Turbidity	1.6	1.00		NTU	0	GE
		Acetophenone	< 11	1.00		µg/L	0	GE
		Aldrin	< 0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	21	1.00	J	µg/L	0	GE
		Aluminum, total recoverable	22	1.00	J	µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	53	1.00		µg/L	0	GE
		Barium, total recoverable	53	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10AA collected on 01/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	36,200	1.00		µg/L	0	GE
		Calcium, total recoverable	36,300	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,410	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	66	1.00		µg/L	0	GE
		Iron, total recoverable	66	1.00		µg/L	0	GE
		Lead, total recoverable	5.6	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	38	1.00		µg/L	1	GE
		Lithium, total recoverable	38	1.00		µg/L	1	GE
		Magnesium, total recoverable	804	1.00		µg/L	0	GE
		Magnesium, total recoverable	811	1.00		µg/L	0	GE
		Manganese, total recoverable	5.6	1.00		µg/L	0	GE
		Manganese, total recoverable	5.7	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<11	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	4,670	1.00		µg/L	0	GE
		Potassium, total recoverable	4,730	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	31,700	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10AA collected on 01/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silica, total recoverable	31,800	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,130	1.00		µg/L	0	GE
		Sodium, total recoverable	4,170	1.00		µg/L	0	GE
		Sulfate	5,470	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.5	1.00		µg/L	0	GE
		Tin, total recoverable	8.5	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	142,000	1.00		µg/L	0	GE
		Total dissolved solids	143,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	23	1.00		µg/L	0	GE
		Total phosphates (as P)	510	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1.00	JV2	pCi/L	0	GP
		Tritium	<0.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	<1.0E-01	1.00		pCi/L	0	GP
		Uranium-235	<6.2E-02	1.00		pCi/L	0	GP
		Uranium-238	<3.3E-02	1.00		pCi/L	0	GP

WELL BGO 10AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76806.0	33.288752 °N	106.5-96.5 ft msl	300.5 ft msl	4" PVC	S	U. Congaree (IIA)
E57063.8	81.665734 °W					

FIELD MEASUREMENTS

Sample date: 01/25/94
Depth to water: 142.55 ft (43.45 m) below TOC
Water elevation: 157.95 ft (48.14 m) msl
Sp. conductance: 251 µS/cm
Turbidity: 1.1 NTU
Water evacuated before sampling: 125 gal

Time: 15:32
pH: 7.6
Alkalinity: 90 mg/L
Water temperature: 19.3 °C
Volumes purged: 3.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.6	1.00	J1	pH	0	GE
		Specific conductance	240	1.00		µS/cm	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10AR collected on 01/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Turbidity	0.40	1.00		NTU	0	GE
		Acetophenone	< 11	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	23	1.00	J	µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	16	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	44,300	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,450	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	142	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	23	1.00		µg/L	0	GE
		Lead, total recoverable	9.8	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	5.2	1.00	J	µg/L	0	GE
		Magnesium, total recoverable	1,240	1.00		µg/L	0	GE
		Manganese, total recoverable	51	1.00		µg/L	2	GE
		Mercury, total recoverable	0.58	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 11	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10AR collected on 01/25/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00	J3	µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,400	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	29,400	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,020	1.00		µg/L	0	GE
		Sulfate	6,110	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	162,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	14	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<11	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	69	1.00		µg/L	0	GE
		Carbon-14	<5.0E+00	1.00		pCi/L	0	GP
		Gross alpha	1.5E+00	1.00	J	pCi/L	0	GP
		Gross alpha	1.4E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<9.6E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.5E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1.00	JV2	pCi/L	0	GP
		Tritium	<0.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	2.2E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<8.0E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76982.1 E56978.8	33.289003 °N 81.666300 °W	149.0-139.0 ft msl	301 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 80.75 ft (24.61 m) below TOC
Water elevation: 220.25 ft (67.13 m) msl
Sp. conductance: 215 µS/cm
Turbidity: 0.9 NTU
Water evacuated before sampling: 49 gal
The well went dry during purging.

Time: 9: 08
pH: 8.3
Alkalinity: 82 mg/L
Water temperature: 16.9 °C
Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.5	1.00	J1	pH	1	GE
		Specific conductance	211	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	69	1.00		µg/L	2	GE
		Aluminum, total recoverable	70	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	21	1.00		µg/L	0	GE
		Barium, total recoverable	21	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	33,100	1.00		µg/L	0	GE
		Calcium, total recoverable	33,200	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,450	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10B collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.49	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0059	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.049	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	28	1.00		µg/L	0	GE
		Iron, total recoverable	29	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0049	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	46	1.00		µg/L	1	GE
		Lithium, total recoverable	46	1.00		µg/L	1	GE
		Magnesium, total recoverable	1,400	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,400	1.00		µg/L	0	GE
		Manganese, total recoverable	< 2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	< 2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.49	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	5.3	1.00	J	µg/L	0	GE
		Nickel, total recoverable	6.1	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	< 50	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	5,750	1.00		µg/L	0	GE
		Potassium, total recoverable	5,760	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	36,600	1.00		µg/L	0	GE
		Silica, total recoverable	36,900	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	6,150	1.00		µg/L	0	GE
		Sodium, total recoverable	6,210	1.00		µg/L	0	GE
		Sulfate	4,590	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	7.7	1.00		µg/L	0	GE
		Tin, total recoverable	13	1.00		µg/L	1	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	152,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,690	1.00		µg/L	0	GE
		Total organic halogens	197	1.00		µg/L	2	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10B collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	10	1.00	J	µg/L	0	GE
		Vanadium, total recoverable	10	1.00	J	µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	9.3E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	4.2E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1.00	J	pCi/L	0	GP
■		Tritium	1.1E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	4.3E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<9.3E-02	1.00		pCi/L	0	GP
		Uranium-238	4.9E-01	1.00	J	pCi/L	0	GP

WELL BGO 10C

<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>
N76805.2	33.288713 °N	167.3-157.3 ft msl	301.3 ft msl	4" PVC	S	Barnwell (IIB ₁)
E57041.1	81.665792 °W					

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 80.33 ft (24.48 m) below TOC
Water elevation: 220.97 ft (67.35 m) msl
Sp. conductance: 108 µS/cm
Turbidity: 23.6 NTU
Water evacuated before sampling: 39 gal
The well went dry during purging.

Time: 9: 51
pH: 9.8
Alkalinity: 21 mg/L
Water temperature: 18.1 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.5	1.00	J1	pH	1	GE
		Specific conductance	83	1.00		µS/cm	0	GE
		Turbidity	39	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	266	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	69	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	23,300	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10C collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,990	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	5.0	1.00	J	µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.099	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0059	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	74	1.00		µg/L	0	GE
		Lead, total recoverable	5.4	1.00		µg/L	0	GE
		Lead, total recoverable	5.6	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	28	1.00		µg/L	1	GE
		Magnesium, total recoverable	346	1.00		µg/L	0	GE
		Manganese, total recoverable	4.5	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	300	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 10C collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	5,350	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	16,200	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	5,570	1.00		µg/L	0	GE
		Sulfate	1,760	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	10	1.00		µg/L	1	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	65,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
•		Total organic halogens	5.9	1.00	J1	µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	26	1.00		µg/L	0	GE
		Carbon-14	< 5.5E+00	1.00		pCi/L	0	GP
		Gross alpha	1.7E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.5E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1.00	J	pCi/L	0	GP
■		Tritium	1.1E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	2.2E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	5.0E-01	1.00	J	pCi/L	0	GP

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WELL BGO 10DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76804.8 E57073.7	33.288765 °N 81.665706 °W	238.3-218.3 ft msl	300.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 68.04 ft (20.74 m) below TOC
Water elevation: 232.36 ft (70.82 m) msl
Sp. conductance: 89 μ S/cm
Turbidity: 38.4 NTU
Water evacuated before sampling: 3 gal
The well went dry during purging.

Time: 10: 12
pH: 6.0
Alkalinity: 30 mg/L
Water temperature: 17.8 °C
Volumes purged: 0.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1.00	J1	pH	0	GE
		Specific conductance	59	1.00		μ S/cm	0	GE
•		Turbidity	7.8	1.00	J1	NTU	0	GE
		Acetophenone	< 10	1.00		μ g/L	0	GE
		Acetophenone	< 10	1.00		μ g/L	0	GE
		Aldrin	< 0.051	1.00		μ g/L	0	GE
		Aluminum, total recoverable	72	1.00		μ g/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	26	1.00		μ g/L	0	GE
		Benzene	< 1.0	1.00		μ g/L	0	GE
		Benzene	< 1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	< 1.0	1.00		μ g/L	0	GE
		Bromoform	< 1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	4,850	1.00		μ g/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		μ g/L	0	GE
		Chloride	2,110	1.00		μ g/L	0	GE
		Chlorobenzene	< 1.0	1.00		μ g/L	0	GE
		Chlorobenzene	< 1.0	1.00		μ g/L	0	GE
		Chloroethane	< 1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		μ g/L	0	GE
		Chloroform	< 1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	11	1.00		μ g/L	0	GE
		Cyanide	< 5.0	1.00		μ g/L	0	GE
		p,p'-DDT	< 0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	< 1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		μ g/L	0	GE

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WELL BGO 10DR collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	431	1.00		µg/L	2	GE
		Lead, total recoverable	23	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	19	1.00		µg/L	0	GE
		Magnesium, total recoverable	325	1.00		µg/L	0	GE
		Manganese, total recoverable	24	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	11	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,010	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,680	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,820	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	5,520	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	55,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,690	1.00		µg/L	0	GE
		Total organic halogens	8.3	1.00	J1	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	2.2	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	99	1.00		µg/L	0	GE
		Carbon-14	1.3E+02	1.00	J	pCi/L	0	GP
		Gross alpha	1.4E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.0E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1.00		pCi/L	0	GP
		Total activity	9.4E+05	10.00		pCi/L	0	EM
		Tritium	1.0E+03	1.00		pCi/mL	2	GP
		Uranium-233/234	<3.8E-02	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<0.0E+00	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76805.1 E56651.3	33.288077 °N 81.666819 °W	236.3-216.3 ft msl	305.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 81.16 ft (24.74 m) below TOC
Water elevation: 224.14 ft (68.32 m) msl
Sp. conductance: 37 μ S/cm
Turbidity: 1.0 NTU
Water evacuated before sampling: 35 gal

Time: 10: 44
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 19.9 °C

Volumes purged: 6.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1.00	J1	pH	0	GE
		Specific conductance	34	1.00		μ S/cm	0	GE
•		Turbidity	<0.10	1.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
•		Aldrin	<0.050	1.00	J1	μ g/L	0	GE
		Aluminum, total recoverable	31	1.00	J	μ g/L	1	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	6.3	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	711	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,240	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
•		p,p'-DDT	<0.10	1.00	J1	μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
•		Dieldrin	<0.50	1.00	J1	μ g/L	0	GE
•		Endrin	<0.0060	1.00	J1	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 11D collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
•		Heptachlor	<0.050	1.00	J1	µg/L	0	GE
		Iron, total recoverable	4.6	1.00	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
•		Lindane	<0.0050	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	632	1.00		µg/L	0	GE
		Manganese, total recoverable	4.6	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
•		Methoxychlor	<0.50	1.00	J1	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,960	2.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,900	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,180	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.1	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	36,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
•		Total organic halogens	44	1.00	J1	µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
•		Toxaphene	<0.24	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	20	1.00		µg/L	0	GE
		Carbon-14	<-1.8E+00	1.00		pCi/L	0	GP
		Gross alpha	3.6E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	2.4E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.7E+00	1.00		pCi/L	0	GP
■		Tritium	1.7E+03	1.00		pCi/mL	2	GP
		Uranium-233/234	<9.8E-02	1.00		pCi/L	0	GP
		Uranium-235	<-1.1E-02	1.00		pCi/L	0	GP
		Uranium-238	<4.9E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76803.8 E56259.9	33.287435 °N 81.667847 °W	109.3-99.3 ft msl	313.4 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 156.09 ft (47.58 m) below TOC
Water elevation: 157.31 ft (47.95 m) msl
Sp. conductance: 171 μ S/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 205 gal

Time: 11: 52
pH: 9.9
Alkalinity: 67 mg/L
Water temperature: 19.8 °C
Volumes purged: 5.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.4	1.00		pH	1	GE
		pH	9.4	1.00	J1	pH	1	GE
		Specific conductance	92	1.00		μ S/cm	0	GE
		Turbidity	2.8	1.00		NTU	0	GE
		Turbidity	3.0	1.00		NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.051	1.00		μ g/L	0	GE
		Aluminum, total recoverable	243	1.00		μ g/L	2	GE
		Aluminum, total recoverable	244	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	58	1.00		μ g/L	0	GE
		Barium, total recoverable	58	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	31,500	1.00		μ g/L	0	GE
		Calcium, total recoverable	31,600	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,300	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12AR collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	26	1.00		µg/L	1	GE
		Lithium, total recoverable	26	1.00		µg/L	1	GE
		Magnesium, total recoverable	228	1.00		µg/L	0	GE
		Magnesium, total recoverable	231	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	3,570	1.00		µg/L	0	GE
		Potassium, total recoverable	3,600	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	27,300	1.00		µg/L	0	GE
		Silica, total recoverable	27,300	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,040	1.00		µg/L	0	GE
		Sodium, total recoverable	3,050	1.00		µg/L	0	GE
		Sulfate	5,020	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	7.0	1.00		µg/L	0	GE
		Tin, total recoverable	12	1.00		µg/L	1	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	80,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	59	1.00		µg/L	2	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	3.0	1.00		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12AR collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	18	1.00		µg/L	0	GE
		Zinc, total recoverable	18	1.00		µg/L	0	GE
		Carbon-14	< 5.4E+00	1.00		pCi/L	0	GP
		Gross alpha	5.9E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.6E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1.00	JV2	pCi/L	0	GP
		Tritium	< 1.1E-01	1.00		pCi/mL	0	GP
		Uranium-233/234	2.7E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	< 8.4E-02	1.00		pCi/L	0	GP

WELL BGO 12CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76806.0 E56215.2	33.287367 °N 81.667969 °W	154.0-144.0 ft msl	314 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 92.27 ft (28.12 m) below TOC
Water elevation: 221.73 ft (67.58 m) msl
Sp. conductance: 112 µS/cm
Turbidity: 1.3 NTU
Water evacuated before sampling: 43 gal
The well went dry during purging.

Time: 11: 27
pH: 9.7
Alkalinity: 37 mg/L
Water temperature: 18.6 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.8	1.00	J1	pH	1	GE
		Specific conductance	109	1.00		µS/cm	0	GE
		Turbidity	< 0.10	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	268	1.00		µg/L	2	GE
		Aluminum, total recoverable	296	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	12	1.00		µg/L	0	GE
		Barium, total recoverable	12	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	12,200	1.00		µg/L	0	GE
		Calcium, total recoverable	12,200	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,880	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12CR collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethane (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	107	1.00	J	µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	44	1.00		µg/L	0	GE
		Iron, total recoverable	52	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	6.9	1.00	J	µg/L	0	GE
		Lithium, total recoverable	7.1	1.00	J	µg/L	0	GE
		Magnesium, total recoverable	263	1.00		µg/L	0	GE
		Magnesium, total recoverable	263	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	690	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	2,140	1.00		µg/L	0	GE
		Potassium, total recoverable	2,190	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	18,500	1.00		µg/L	0	GE
		Silica, total recoverable	18,700	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	9,900	1.00		µg/L	0	GE
		Sodium, total recoverable	9,950	1.00		µg/L	0	GE
		Sulfate	2,700	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	7.8	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12CR collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tin, total recoverable	4.3	1.00	J3	µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	80,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
•		Total organic halogens	33	1.00	J1	µg/L	1	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
■		Trichloroethylene	79	1.00		µg/L	2	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	20	1.00		µg/L	0	GE
		Zinc, total recoverable	20	1.00		µg/L	0	GE
		Carbon-14	< 3.8E + 00	1.00		pCi/L	0	GP
		Gross alpha	4.1E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.0E + 00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1.00	JV2	pCi/L	0	GP
		Tritium	1.6E + 00	1.00		pCi/mL	0	GP
		Uranium-233/234	< 1.5E-01	1.00		pCi/L	0	GP
		Uranium-235	< 5.1E-02	1.00		pCi/L	0	GP
		Uranium-238	< 0.0E + 00	1.00		pCi/L	0	GP

WELL BGO 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76805.2 E56231.1	33.287391 °N 81.667925 °W	237.8-217.8 ft msl	313.7 ft msl	.4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 81.48 ft (24.84 m) below TOC
Water elevation: 232.22 ft (70.78 m) msl
Sp. conductance: 70 µS/cm
Turbidity: 4.8 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 11:10
pH: 6.1
Alkalinity: 15 mg/L
Water temperature: 12.4 °C
Volumes purged: 0.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.6	1.00		pH	0	GE
		pH	6.9	1.00	J1	pH	0	GE
		Specific conductance	68	1.00		µS/cm	0	GE
		Turbidity	2.6	1.00		NTU	0	GE
		Turbidity	2.7	1.00		NTU	0	GE
		Acetophenone	< 9.7	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE

• = exceeded holding time, ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12D collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	68	1.00		µg/L	2	GE
		Aluminum, total recoverable	76	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	40	1.00		µg/L	0	GE
		Barium, total recoverable	40	1.00		µg/L	0	GE
		Benzene	< 5.0	5.00		µg/L	0	GE
		Bromodichloromethane	< 5.0	5.00		µg/L	0	GE
		Bromoform	< 5.0	5.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 5.0	5.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	7,490	1.00		µg/L	0	GE
		Calcium, total recoverable	7,520	1.00		µg/L	0	GE
		Carbon tetrachloride	< 5.0	5.00		µg/L	0	GE
		Chloride	2,410	1.00		µg/L	0	GE
		Chlorobenzene	< 5.0	5.00		µg/L	0	GE
		Chloroethane	< 5.0	5.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 5.0	5.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 5.0	5.00		µg/L	0	GE
		Chloroform	< 5.0	5.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 5.0	5.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	4.2	1.00	J	µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 5.0	5.00		µg/L	0	GE
		1,1-Dichloroethane	< 5.0	5.00		µg/L	0	GE
		1,2-Dichloroethane	< 5.0	5.00		µg/L	0	GE
		1,1-Dichloroethylene	< 5.0	5.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 5.0	5.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 5.0	5.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 5.0	5.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 5.0	5.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 5.0	5.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Ethylbenzene	< 5.0	5.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	30	1.00		µg/L	0	GE
		Iron, total recoverable	34	1.00		µg/L	0	GE
		Lead, total recoverable	3.5	1.00	J	µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	20	1.00		µg/L	0	GE
		Lithium, total recoverable	20	1.00		µg/L	0	GE
		Magnesium, total recoverable	796	1.00		µg/L	0	GE
		Magnesium, total recoverable	801	1.00		µg/L	0	GE
		Manganese, total recoverable	4.8	1.00		µg/L	0	GE
		Manganese, total recoverable	4.8	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 9.7	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 12D collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,480	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,220	1.00		µg/L	0	GE
		Potassium, total recoverable	1,290	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,680	1.00		µg/L	0	GE
		Silica, total recoverable	6,690	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,980	1.00		µg/L	0	GE
		Sodium, total recoverable	2,990	1.00		µg/L	0	GE
		Sulfate	1,500	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 5.0	5.00		µg/L	0	GE
		Tetrachloroethylene	< 5.0	5.00		µg/L	0	GE
		Tin, total recoverable	2.6	1.00	J	µg/L	0	GE
		Tin, total recoverable	3.2	1.00	J	µg/L	0	GE
		Toluene	< 5.0	5.00		µg/L	0	GE
		Total dissolved solids	48,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	105	1.00		µg/L	2	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0	5.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0	5.00		µg/L	0	GE
■		Trichloroethylene	127	5.00		µg/L	2	GE
		Trichlorofluoromethane	< 5.0	5.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	29	1.00		µg/L	0	GE
		Zinc, total recoverable	29	1.00		µg/L	0	GE
		Carbon-14	1.7E+01	1.00	J	pCi/L	0	GP
		Gross alpha	2.0E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1.00	J	pCi/L	0	GP
■		Tritium	2.9E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	< -1.1E-02	1.00		pCi/L	0	GP

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WELL BGO 13DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76824.7 E55840.4	33.286797 °N 81.668992 °W	220.3-210.3 ft msl	319.3 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 87.80 ft (26.76 m) below TOC
Water elevation: 231.50 ft (70.56 m) msl
Sp. conductance: 107 µS/cm
Turbidity: 10.6 NTU
Water evacuated before sampling: 9 gal
The well went dry during purging.

Time: 9: 45
pH: 7.4
Alkalinity: 36 mg/L
Water temperature: 18.2 °C
Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.5	1.00	J1	pH	0	GE
		Specific conductance	79	1.00		µS/cm	0	GE
		Turbidity	2.1	1.00		NTU	0	GE
		Turbidity	2.0	1.00		NTU	0	GE
		Acetophenone	< 9.7	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	22	1.00	J	µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	33	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	8,320	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,960	1.00		µg/L	0	GE
		Chloride	1,980	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	7.2	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 13DR collected on 02/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	169	1.00		µg/L	1	GE
		Lead, total recoverable	18	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	18	1.00		µg/L	0	GE
		Magnesium, total recoverable	513	1.00		µg/L	0	GE
		Manganese, total recoverable	70	1.00		µg/L	2	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<9.7	1.00		µg/L	0	GE
		Nickel, total recoverable	5.0	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	750	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,510	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,930	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	6,330	1.00		µg/L	0	GE
		Sulfate	5,920	1.00		µg/L	0	GE
		Sulfate	5,970	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	42,000	1.00		µg/L	0	GE
		Total organic carbon	1,330	1.00	J	µg/L	0	GE
		Total organic carbon	1,390	1.00	J	µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1.00		µg/L	0	GE
		Tributyl phosphate	<9.7	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	68	1.00		µg/L	0	GE
		Carbon-14	<2.1E+00	1.00		pCi/L	0	GP
		Carbon-14	<4.4E+00	1.00		pCi/L	0	GP
		Gross alpha	1.3E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.7E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP
		Tritium	<1.6E+01	1.00		pCi/mL	0	GP
		Uranium-233/234	<1.2E-01	1.00		pCi/L	0	GP
		Uranium-235	2.3E-01	1.00	J	pCi/L	0	GP
		Uranium-238	2.3E-01	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76351.8 E55788.9	33.285667 °N 81.668209 °W	106.8-96.8 ft msl	300.7 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 141.86 ft (43.24 m) below TOC
Water elevation: 158.84 ft (48.42 m) msl
Sp. conductance: 219 μ S/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 176 gal

Time: 13: 15
pH: 10.2
Alkalinity: 97 mg/L
Water temperature: 19.7 °C

Volumes purged: 4.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	10	1.00	J1	pH	2	GE
		Specific conductance	207	1.00		μ S/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.050	1.00	J3	μ g/L	0	GE
		Aluminum, total recoverable	404	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	3.6	1.00		μ g/L	0	GE
		Barium, total recoverable	102	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	37,300	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,270	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00	J3	μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14AR collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00	J3	µg/L	0	GE
		Endrin	< 0.0060	1.00	J3	µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00	J3	µg/L	0	GE
		Iron, total recoverable	9.0	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00	J3	µg/L	0	GE
		Lithium, total recoverable	54	1.00		µg/L	2	GE
		Magnesium, total recoverable	510	1.00		µg/L	0	GE
		Manganese, total recoverable	11	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00	J3	µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	110	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	8,670	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	24,200	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	5,830	1.00		µg/L	0	GE
		Sulfate	3,260	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	22	1.00		µg/L	2	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	146,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	49	1.00		µg/L	1	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14AR collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	1.7	1.00		µg/L	0	GE
		Trichloroethylene	1.8	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	<2.0	1.00		µg/L	0	GE
		Carbon-14	8.9E+00	1.00	J	pCi/L	0	GP
		Gross alpha	1.4E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.3E+01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1.00	JV2	pCi/L	0	GP
		Tritium	3.8E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	<1.8E-01	1.00		pCi/L	0	GP
		Uranium-235	<4.6E-02	1.00		pCi/L	0	GP
		Uranium-238	<1.7E-01	1.00		pCi/L	0	GP

WELL BGO 14CR

<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>
N76337.8	33.285636 °N	200.1-190.1 ft msl	300.5 ft msl	4" PVC	S	Barnwell (IIB ₁)
E55789.0	81.668181 °W					

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 76.40 ft (23.29 m) below TOC
Water elevation: 224.10 ft (68.31 m) msl
Sp. conductance: 91 µS/cm
Turbidity: 6.5 NTU
Water evacuated before sampling: 17 gal
The well went dry during purging.

Time: 12:32
pH: 6.2
Alkalinity: 23 mg/L
Water temperature: 19.3 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.9	1.00	J1	pH	0	GE
		Specific conductance	85	1.00		µS/cm	0	GE
		Turbidity	2.5	1.00		NTU	0	GE
		Acetophenone	<9.9	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	338	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	15	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14CR collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Calcium, total recoverable	7,740	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,460	1.00		µg/L	0	GE
		Chloride	2,490	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	13	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	133	1.00		µg/L	0	GE
		Lead, total recoverable	3.9	1.00	J	µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	22	1.00		µg/L	0	GE
		Magnesium, total recoverable	870	1.00		µg/L	0	GE
		Manganese, total recoverable	20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 9.9	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	810	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	4,020	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	10,900	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	5,960	1.00		µg/L	0	GE
		Sulfate	6,230	1.00		µg/L	0	GE
		Sulfate	6,420	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	11	1.00		µg/L	1	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	62,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	73	1.00		µg/L	2	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14CR collected on 01/26/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<9.9	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	1.8	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
■		Trichloroethylene	56	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	22	1.00		µg/L	0	GE
		Carbon-14	9.6E+00	1.00	J	pCi/L	0	GP
		Gross alpha	4.2E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	JV2	pCi/L	0	GP
■		Tritium	3.0E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	<7.1E-02	1.00		pCi/L	0	GP
		Uranium-235	<7.1E-02	1.00		pCi/L	0	GP
		Uranium-238	<7.1E-02	1.00		pCi/L	0	GP

WELL BGO 14DR

<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>
N76322.1 E55789.4	33.285602 °N 81.668150 °W	238.1-218.1 ft msl	300.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 68.98 ft (21.03 m) below TOC
Water elevation: 231.32 ft (70.51 m) msl
Sp. conductance: 41 µS/cm
Turbidity: 0.3 NTU
Water evacuated before sampling: 128 gal

Time: 13: 35
pH: 5.0
Alkalinity: 1 mg/L
Water temperature: 19.7 °C

Volumes purged: 14.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.5	1.00	J1	pH	0	GE
		Specific conductance	38	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	6.4	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	857	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14DR collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	4,170	1.00		µg/L	0	GE
		Chloride	4,270	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	6.8	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	10	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	666	1.00		µg/L	0	GE
		Manganese, total recoverable	12	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,200	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,880	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,790	1.00		µg/L	0	GE
		Sulfate	1,930	1.00		µg/L	0	GE
		Sulfate	1,970	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.4	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	29,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	124	1.00		µg/L	2	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 14DR collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
	■	Trichloroethylene	61	5.00		µg/L	2	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	13	1.00		µg/L	0	GE
		Carbon-14	< 3.8E+00	1.00		pCi/L	0	GP
		Carbon-14	8.0E+00	1.00	J	pCi/L	0	GP
		Gross alpha	1.9E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1.00	JV2	pCi/L	0	GP
		Tritium	1.2E+01	1.00		pCi/mL	1	GP
		Uranium-233/234	< 2.0E-02	1.00		pCi/L	0	GP
		Uranium-235	< 6.6E-03	1.00		pCi/L	0	GP
		Uranium-238	< 1.8E-01	1.00		pCi/L	0	GP

WELL BGO 15D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75973.5 E55859.1	33.284945 °N 81.667289 °W	238.7-218.7 ft msl	298.7 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 67.89 ft (20.69 m) below TOC
Water elevation: 230.81 ft (70.35 m) msl
Sp. conductance: 29 µS/cm
Turbidity: 2.3 NTU
Water evacuated before sampling: 45 gal

Time: 14: 24
pH: 5.0
Alkalinity: 1 mg/L
Water temperature: 20.2 °C

Volumes purged: 5.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	28	1.00		µS/cm	0	GE
•		Turbidity	0.67	1.00	J1	NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.053	1.00		µg/L	0	GE
		Aluminum, total recoverable	26	1.00	J	µg/L	1	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	8.7	1.00		µg/L	0	GE
		Benzene	< 5.0	5.00		µg/L	0	GE
		Bromodichloromethane	< 5.0	5.00		µg/L	0	GE
		Bromoform	< 5.0	5.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 5.0	5.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 15D collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Calcium, total recoverable	1,670	1.00		µg/L	0	GE
		Carbon tetrachloride	< 5.0	5.00		µg/L	0	GE
		Chloride	2,160	1.00		µg/L	0	GE
		Chlorobenzene	< 5.0	5.00		µg/L	0	GE
		Chloroethane	< 5.0	5.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 5.0	5.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 5.0	5.00		µg/L	0	GE
		Chloroform	< 5.0	5.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 5.0	5.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.11	1.00		µg/L	0	GE
		Dibromochloromethane	< 5.0	5.00		µg/L	0	GE
		1,1-Dichloroethane	< 5.0	5.00		µg/L	0	GE
		1,2-Dichloroethane	< 5.0	5.00		µg/L	0	GE
		1,1-Dichloroethylene	< 5.0	5.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 5.0	5.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 5.0	5.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 5.0	5.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 5.0	5.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 5.0	5.00		µg/L	0	GE
		Dieldrin	< 0.53	1.00		µg/L	0	GE
		Endrin	< 0.0063	1.00		µg/L	0	GE
		Ethylbenzene	< 5.0	5.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.053	1.00		µg/L	0	GE
		Iron, total recoverable	12	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0053	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	426	1.00		µg/L	0	GE
		Manganese, total recoverable	7.0	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.53	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	710	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,800	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,190	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 5.0	5.00		µg/L	0	GE
		Tetrachloroethylene	< 5.0	5.00		µg/L	0	GE
		Tin, total recoverable	3.2	1.00	J	µg/L	0	GE
		Toluene	< 5.0	5.00		µg/L	0	GE
		Total dissolved solids	24,000	1.00		µg/L	0	GE
		Total dissolved solids	26,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	55	1.00		µg/L	2	GE
		Total organic halogens	52	1.00	J1	µg/L	2	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 15D collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	5.00		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	5.00		µg/L	0	GE
■		Trichloroethylene	67	5.00		µg/L	2	GE
		Trichlorofluoromethane	<5.0	5.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<10	5.00		µg/L	0	GE
		Zinc, total recoverable	3.0	1.00	J	µg/L	0	GE
		Carbon-14	<-1.6E+00	1.00		pCi/L	0	GP
		Gross alpha	1.7E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1.00	J	pCi/L	0	GP
		Total activity	2.8E+05	1.00		pCi/L	0	EM
■		Tritium	2.7E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	<7.0E-02	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<2.3E-02	1.00		pCi/L	0	GP

WELL BGO 16AR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75743.2 E56217.1	33.285020 °N 81.665899 °W	113.7-103.7 ft msl	303.7 ft msl	4" PVC	S	Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 02/02/94
Depth to water: 142.99 ft (43.58 m) below TOC
Water elevation: 160.71 ft (48.99 m) msl
Sp. conductance: 188 µS/cm
Turbidity: 0.9 NTU
Water evacuated before sampling: 113 gal

Time: 13: 31
pH: 7.7
Alkalinity: 80 mg/L
Water temperature: 18.9 °C

Volumes purged: 3.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.7	1.00	J1	pH	0	GE
		Specific conductance	183	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	37	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	28,800	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16AR collected on 02/02/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloride	2,270	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	8.9	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,050	1.00		µg/L	0	GE
		Manganese, total recoverable	10	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	490	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,470	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	23,900	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	7,870	1.00		µg/L	0	GE
		Sulfate	3,480	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	133,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16AR collected on 02/02/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	< 2.0	1.00		µg/L	0	GE
		Carbon-14	< -2.9E+00	1.00		pCi/L	0	GP
		Gross alpha	9.2E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	< 4.3E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1.00		pCi/L	0	GP
		Tritium	< 0.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	3.8E-01	1.00	J	pCi/L	0	GP
		Uranium-233/234	3.3E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	2.3E-01	1.00	J	pCi/L	0	GP
		Uranium-238	2.0E-01	1.00	J	pCi/L	0	GP

WELL BGO 16B

<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>
N75767.5 E56183.8	33.285019 °N 81.666034 °W	146.0-136.0 ft msl	305.1 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/03/94
Depth to water: 86.52 ft (26.37 m) below TOC
Water elevation: 218.58 ft (66.62 m) msl
Sp. conductance: 229 µS/cm
Turbidity: 8.5 NTU
Water evacuated before sampling: 39 gal
The well went dry during purging.

Time: 9: 04
pH: 8.3
Alkalinity: 92 mg/L
Water temperature: 16.7 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.9	1.00	J1	pH	0	GE
		Specific conductance	234	1.00		µS/cm	0	GE
		Turbidity	2.3	1.00		NTU	0	GE
		Acetophenone	< 9.7	1.00		µg/L	0	GE
•		Aldrin	< 0.048	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	40	1.00		µg/L	1	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	48	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	45,600	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,250	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16B collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	1.2	1.00	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	5.7	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
•		p,p'-DDT	<0.096	1.00	J1	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
•		Dieldrin	<0.48	1.00	J1	µg/L	0	GE
•		Endrin	<0.0058	1.00	J1	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
•		Heptachlor	<0.048	1.00	J1	µg/L	0	GE
		Iron, total recoverable	116	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
•		Lindane	<0.0048	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	934	1.00		µg/L	0	GE
		Manganese, total recoverable	3.6	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
•		Methoxychlor	<0.48	1.00	J1	µg/L	0	GE
		Naphthalene	<9.7	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	350	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	904	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	14,900	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,910	1.00		µg/L	0	GE
		Sulfate	1,620	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	149,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,810	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	80	1.00	J	µg/L	0	GE
•		Toxaphene	<0.23	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16B collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	17	1.00		µg/L	0	GE
		Carbon-14	<2.0E+00	1.00		pCi/L	0	GP
		Gross alpha	<4.8E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1.00	J	pCi/L	0	GP
		Tritium	<2.0E-01	1.00		pCi/mL	0	GP
		Uranium-233/234	1.4E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<7.2E-02	1.00		pCi/L	0	GP

WELL BGO 16D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75751.4 E56202.1	33.285013 °N 81.665954 °W	237.3-217.3 ft msl	304.6 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/03/94
Depth to water: 73.15 ft (22.30 m) below TOC
Water elevation: 231.45 ft (70.55 m) msl
Sp. conductance: 184 µS/cm
Turbidity: 4.0 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 9: 21
pH: 9.3
Alkalinity: 80 mg/L
Water temperature: 16.3 °C

Volumes purged: 0.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		pH	9.1	1.00		pH	1	GE
•		pH	9.1	1.00	J1	pH	1	GE
		Specific conductance	163	1.00		µS/cm	0	GE
		Turbidity	6.0	1.00		NTU	0	GE
•		Turbidity	5.5	1.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
•		Aldrin	<0.050	1.00	J	µg/L	0	GE
•		Aldrin	<0.050	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	560	1.00		µg/L	2	GE
		Aluminum, total recoverable	546	1.00	J3	µg/L	2	GE
		Antimony, total recoverable	<10	5.00		µg/L	0	GE
		Antimony, total recoverable	<10	5.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	31	1.00		µg/L	0	GE
		Barium, total recoverable	31	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	4,780	1.00		µg/L	0	GE
		Calcium, total recoverable	4,790	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,410	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	4.0	1.00	J	µg/L	0	GE
		Copper, total recoverable	4.1	1.00	J	µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
•		Cyanide	< 5.0	1.00	J3	µg/L	0	GE
•		p,p'-DDT	< 0.10	1.00	J	µg/L	0	GE
•		p,p'-DDT	< 0.10	1.00	J1	µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
•		Dieldrin	< 0.50	1.00	J	µg/L	0	GE
•		Dieldrin	< 0.50	1.00	J1	µg/L	0	GE
•		Endrin	< 0.0060	1.00	J	µg/L	0	GE
•		Endrin	< 0.0060	1.00	J1	µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
•		Heptachlor	< 0.050	1.00	J	µg/L	0	GE
•		Heptachlor	< 0.050	1.00	J1	µg/L	0	GE
		Iron, total recoverable	311	1.00		µg/L	2	GE
		Iron, total recoverable	308	1.00	J3	µg/L	2	GE
		Lead, total recoverable	11	1.00		µg/L	0	GE
		Lead, total recoverable	11	1.00		µg/L	0	GE
•		Lindane	< 0.0050	1.00	J	µg/L	0	GE
•		Lindane	< 0.0050	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	105	1.00		µg/L	2	GE
		Lithium, total recoverable	105	1.00		µg/L	2	GE
		Magnesium, total recoverable	607	1.00		µg/L	0	GE
		Magnesium, total recoverable	607	1.00		µg/L	0	GE
		Manganese, total recoverable	9.8	1.00		µg/L	0	GE
		Manganese, total recoverable	9.9	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
•		Methoxychlor	< 0.50	1.00	J	µg/L	0	GE
•		Methoxychlor	< 0.50	1.00	J1	µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 16D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	230	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	8,220	1.00		µg/L	0	GE
		Potassium, total recoverable	8,260	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	10,800	1.00		µg/L	0	GE
		Silica, total recoverable	10,700	1.00	J3	µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	31,800	1.00		µg/L	0	GE
		Sodium, total recoverable	31,900	1.00		µg/L	0	GE
		Sulfate	2,780	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	1.8	1.00		µg/L	0	GE
		Tin, total recoverable	15	1.00		µg/L	1	GE
		Tin, total recoverable	22	1.00		µg/L	2	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	99,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,720	1.00		µg/L	0	GE
		Total organic halogens	16	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
•		Toxaphene	< 0.24	1.00	J	µg/L	0	GE
•		Toxaphene	< 0.24	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
■		Trichloroethylene	22	1.00		µg/L	2	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	15	1.00		µg/L	0	GE
		Zinc, total recoverable	15	1.00		µg/L	0	GE
		Carbon-14	8.6E+00	1.00	J	pCi/L	0	GP
		Gross alpha	< 5.4E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	6.2E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP
		Total activity	4.1E+05	1.00		pCi/L	0	EM
■		Tritium	6.3E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	4.0E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 5.9E-02	1.00		pCi/L	0	GP
		Uranium-238	4.4E-01	1.00	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 17DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75604.0 E56407.2	33.285022 °N 81.665128 °W	236.9-216.9 ft msl	299.2 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/03/94
Depth to water: 67.85 ft (20.68 m) below TOC
Water elevation: 231.35 ft (70.52 m) msl
Sp. conductance: 22 µS/cm
Turbidity: 31.2 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 10: 36
pH: 5.6
Alkalinity: 2 mg/L
Water temperature: 16.9 °C
Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1.00	J1	pH	0	GE
		Specific conductance	21	1.00		µS/cm	0	GE
		Turbidity	278	10.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
•		Aldrin	< 0.052	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	126	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	7.6	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,130	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,210	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
•		p,p'-DDT	< 0.10	1.00	J1	µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
•		Dieldrin	< 0.52	1.00	J1	µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 17DR collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		Endrin	<0.0062	1.00	J1	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
•		Heptachlor	<0.052	1.00	J1	µg/L	0	GE
		Iron, total recoverable	38	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
•		Lindane	<0.0052	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	336	1.00		µg/L	0	GE
		Manganese, total recoverable	13	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
•		Methoxychlor	<0.52	1.00	J1	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,140	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,140	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,270	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,540	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.3	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	26,000	1.00		µg/L	0	GE
		Total dissolved solids	23,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	5.8	1.00	J	µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
•		Toxaphene	<0.25	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	9.1	1.00		µg/L	0	GE
		Carbon-14	<4.6E+00	1.00		pCi/L	0	GP
		Gross alpha	2.0E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.3E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1.00		pCi/L	0	GP
		Tritium	1.3E+01	1.00		pCi/mL	1	GP
		Uranium-233/234	<1.4E-02	1.00		pCi/L	0	GP
		Uranium-235	<3.9E-03	1.00		pCi/L	0	GP
		Uranium-238	<5.5E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75599.9 E56699.7	33.285490 °N 81.664350 °W	109.5-99.5 ft msl	295.2 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 02/02/94
Depth to water: 134.22 ft (40.91 m) below TOC
Water elevation: 160.98 ft (49.07 m) msl
Sp. conductance: 190 µS/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 150 gal

Time: 10: 29
pH: 7.1
Alkalinity: 74 mg/L
Water temperature: 18.6 °C

Volumes purged: 3.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.0	1.00	J1	pH	0	GE
		Specific conductance	185	1.00		µS/cm	0	GE
		Specific conductance	186	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<9.8	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	32	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	33,500	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,460	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.099	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18A collected on 02/02/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	30	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,060	1.00		µg/L	0	GE
		Manganese, total recoverable	42	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<9.8	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,040	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	34,000	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,310	1.00		µg/L	0	GE
		Sulfate	7,810	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	136,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	11	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	<2.0	1.00		µg/L	0	GE
		Carbon-14	<-5.0E+00	1.00		pCi/L	0	GP
		Gross alpha	<5.1E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.0E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1.00	J	pCi/L	0	GP
		Tritium	<7.5E-02	1.00		pCi/mL	0	GP
		Uranium-233/234	1.9E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<-1.1E-02	1.00		pCi/L	0	GP
		Uranium-238	8.8E-02	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75600.0 E56711.2	33.285509 °N 81.664320 °W	239.6-219.6 ft msl	294.9 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/02/94
Depth to water: 62.45 ft (19.03 m) below TOC
Water elevation: 232.45 ft (70.85 m) msl
Sp. conductance: 26 µS/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 115 gal

Time: 10: 02
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 18.8 °C

Volumes purged: 13.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1.00	J1	pH	0	GE
		Specific conductance	28	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	40	1.00		µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	8.8	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	700	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,880	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	1.0	1.00	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18D collected on 02/02/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	310	1.00		µg/L	0	GE
		Manganese, total recoverable	12	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,180	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,190	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,990	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 18D collected on 02/02/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	24,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	1.1	1.00	J	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	2.2	1.00	J	µg/L	0	GE
		Carbon-14	< -7.0E-02	1.00		pCi/L	0	GP
		Carbon-14	< -5.0E+00	1.00		pCi/L	0	GP
		Gross alpha	1.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.4E+00	1.00	J	pCi/L	0	GP
		Tritium	1.2E+01	1.00		pCi/mL	1	GP
		Uranium-233/234	< 7.7E-02	1.00		pCi/L	0	GP
		Uranium-235	1.5E-01	1.00	J	pCi/L	0	GP
		Uranium-238	1.5E-01	1.00	J	pCi/L	0	GP

WELL BGO 19D

<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>
N75350.0 E56997.3	33.285423 °N 81.663081 °W	213.9-193.9 ft msl	287.2 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/02/94
Depth to water: 57.07 ft (17.40 m) below TOC
Water elevation: 230.13 ft (70.14 m) msl
Sp. conductance: 34 µS/cm
Turbidity: 3.1 NTU
Water evacuated before sampling: 158 gal

Time: 11: 26
pH: 5.7
Alkalinity: 3 mg/L
Water temperature: 18.0 °C

Volumes purged: 6.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.0	1.00	J1	pH	0	GE
		Specific conductance	34	1.00		µS/cm	0	GE
		Turbidity	30	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 19D collected on 02/02/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	63	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	18	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	2,490	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,390	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	31	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	341	1.00		µg/L	0	GE
		Manganese, total recoverable	19	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,190	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	9,380	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,980	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 19D collected on 02/02/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.3	1.00	J	µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	30,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	10.0	1.00		µg/L	0	GE
		Carbon-14	< -4.7E+00	1.00		pCi/L	0	GP
		Gross alpha	1.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1.00	J	pCi/L	0	GP
■		Tritium	5.6E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	1.0E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< -4.8E-03	1.00		pCi/L	0	GP
		Uranium-238	1.2E-01	1.00	J	pCi/L	0	GP

WELL BGO 20D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74962.2	33.284755 °N	236.3-216.3 ft msl	283.7 ft msl	4" PVC	S	Water Table (IIB ₂)
E57113.8	81.662021 °W					

FIELD MEASUREMENTS

Sample date: 02/03/94
Depth to water: 49.40 ft (15.06 m) below TOC
Water elevation: 234.30 ft (71.42 m) msl
Sp. conductance: 68 µS/cm
Turbidity: 7.7 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 10: 52
pH: 5.5
Alkalinity: 16 mg/L
Water temperature: 16.0 °C
Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1.00	J1	pH	0	GE
		Specific conductance	64	1.00		µS/cm	0	GE
		Turbidity	2.7	1.00		NTU	0	GE
		Acetophenone	< 9.9	1.00		µg/L	0	GE
•		Aldrin	< 0.050	1.00	J3	µg/L	0	GE
		Aluminum, total recoverable	49	1.00		µg/L	1	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	46	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 20D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	5,330	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,970	1.00		µg/L	0	GE
		Chloride	1,980	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
•		p,p'-DDT	< 0.10	1.00	J3	µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
•		Dieldrin	< 0.50	1.00	J3	µg/L	0	GE
•		Endrin	< 0.0060	1.00	J3	µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
•		Heptachlor	< 0.050	1.00	J3	µg/L	0	GE
		Iron, total recoverable	186	1.00		µg/L	1	GE
		Lead, total recoverable	11	1.00		µg/L	0	GE
•		Lindane	< 0.0050	1.00	J3	µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,250	1.00		µg/L	0	GE
		Manganese, total recoverable	41	1.00		µg/L	1	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
•		Methoxychlor	< 0.50	1.00	J3	µg/L	0	GE
		Naphthalene	< 9.9	1.00		µg/L	0	GE
		Nickel, total recoverable	5.3	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,660	2.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	794	1.00	J	µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,900	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,870	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 20D collected on 02/03/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	49,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	2,950	1.00		µg/L	0	GE
		Total organic halogens	11	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
•		Toxaphene	<0.24	1.00	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	30	1.00		µg/L	0	GE
		Carbon-14	<-6.9E-01	1.00		pCi/L	0	GP
		Gross alpha	1.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.1E+00	1.00		pCi/L	0	GP
■		Tritium	2.3E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	1.1E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<2.1E-02	1.00		pCi/L	0	GP
		Uranium-238	<-7.7E-03	1.00		pCi/L	0	GP

WELL BGO 21D

<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>
N74688.5 E57470.7	33.284732 °N 81.660549 °W	237.7-217.7 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/03/94
Depth to water: 50.41 ft (15.37 m) below TOC
Water elevation: 234.99 ft (71.63 m) msl
Sp. conductance: 81 µS/cm
Turbidity: 23.6 NTU
Water evacuated before sampling: 6 gal
The well went dry during purging.

Time: 10: 19
pH: 6.0
Alkalinity: 15 mg/L
Water temperature: 16.6 °C

Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.1	1.00	J1	pH	0	GE
		Specific conductance	76	1.00		µS/cm	0	GE
		Specific conductance	77	1.00		µS/cm	0	GE
		Turbidity	12	1.00		NTU	0	GE
		Acetophenone	<10.0	1.00		µg/L	0	GE
•		Aldrin	<0.052	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	274	1.00		µg/L	2	GE
		Aluminum, total recoverable	309	1.00	J3	µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	49	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 21D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	50	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	2,140	1.00		µg/L	0	GE
		Calcium, total recoverable	2,140	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	4,960	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
•		p,p'-DDT	<0.10	1.00	J1	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
•		Dieldrin	<0.52	1.00	J1	µg/L	0	GE
•		Endrin	<0.0062	1.00	J1	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
•		Heptachlor	<0.052	1.00	J1	µg/L	0	GE
		Iron, total recoverable	204	1.00		µg/L	1	GE
		Iron, total recoverable	219	1.00	J3	µg/L	1	GE
		Lead, total recoverable	6.3	1.00		µg/L	0	GE
•		Lindane	<0.0052	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	52	1.00		µg/L	2	GE
		Lithium, total recoverable	53	1.00		µg/L	2	GE
		Magnesium, total recoverable	564	1.00		µg/L	0	GE
		Magnesium, total recoverable	566	1.00		µg/L	0	GE
		Manganese, total recoverable	13	1.00		µg/L	0	GE
		Manganese, total recoverable	13	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
•		Methoxychlor	<0.52	1.00	J1	µg/L	0	GE
		Naphthalene	<10.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,350	5.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 21D collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Potassium, total recoverable	6,060	1.00		µg/L	0	GE
		Potassium, total recoverable	6,130	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,850	1.00		µg/L	0	GE
		Silica, total recoverable	8,950	1.00	J3	µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	8,600	1.00		µg/L	0	GE
		Sodium, total recoverable	8,670	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	11	1.00		µg/L	1	GE
		Tin, total recoverable	13	1.00		µg/L	1	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	60,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,250	1.00	J	µg/L	0	GE
		Total organic halogens	39	1.00		µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
●		Toxaphene	<0.25	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	17	1.00		µg/L	0	GE
		Zinc, total recoverable	17	1.00		µg/L	0	GE
		Carbon-14	<-2.7E+00	1.00		pCi/L	0	GP
		Gross alpha	7.9E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.2E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1.00	J	pCi/L	0	GP
■		Tritium	3.0E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	<8.0E-03	1.00		pCi/L	0	GP
		Uranium-235	<5.2E-02	1.00		pCi/L	0	GP
		Uranium-238	<4.7E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 22DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74471.5 E57831.5	33.284841 °N 81.659178 °W	239.2-219.2 ft msl	286.1 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/03/94
Depth to water: 67.75 ft (20.65 m) below TOC
Water elevation: 218.35 ft (66.55 m) msl
Sp. conductance: 24 µS/cm
Turbidity: 20.6 NTU
Water evacuated before sampling: 15 gal
The well went dry during purging.

Time: 10: 02
pH: 5.4
Alkalinity: 2 mg/L
Water temperature: 17.3 °C

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.3	1.00	J1	pH	0	GE
		Specific conductance	22	1.00		µS/cm	0	GE
		Turbidity	176	10.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
•		Aldrin	<0.052	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	883	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	9.3	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	969	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,050	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	5.5	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
•		p,p'-DDT	<0.10	1.00	J1	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
•		Dieldrin	<0.52	1.00	J1	µg/L	0	GE
•		Endrin	<0.0062	1.00	J1	µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 22DR collected on 02/03/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
•		Heptachlor	< 0.052	1.00	J1	µg/L	0	GE
		Iron, total recoverable	354	1.00		µg/L	2	GE
		Lead, total recoverable	6.4	1.00		µg/L	0	GE
•		Lindane	< 0.0052	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	766	1.00		µg/L	0	GE
		Manganese, total recoverable	8.6	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
•		Methoxychlor	< 0.52	1.00	J1	µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	150	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	919	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,010	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,160	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	4.8	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	23,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	7.4	1.00	J	µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
•		Toxaphene	< 0.25	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	18	1.00		µg/L	0	GE
		Carbon-14	2.9E+01	1.00	J	pCi/L	0	GP
		Gross alpha	1.4E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.9E+00	1.00		pCi/L	0	GP
■		Tritium	4.2E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 4.5E-02	1.00		pCi/L	0	GP
		Uranium-235	< 4.1E-02	1.00		pCi/L	0	GP
		Uranium-238	< 4.1E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 23D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74238.1 E58133.0	33.284817 °N 81.657930 °W	242.0-222.0 ft msl	289.2 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/02/94
Depth to water: 53.16 ft (16.20 m) below TOC
Water elevation: 236.04 ft (71.95 m) msl
Sp. conductance: 36 µS/cm
Turbidity: 0.8 NTU
Water evacuated before sampling: 40 gal

Time: 12: 31
pH: 6.0
Alkalinity: 3 mg/L
Water temperature: 19.9 °C

Volumes purged: 4.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1.00	J1	pH	0	GE
		Specific conductance	33	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10.0	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	7.2	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,210	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	972	1.00		µg/L	0	GE
		Chloride	986	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	22	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 23D collected on 02/02/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	7.7	1.00		µg/L	0	GE
		Lead, total recoverable	7.3	1.00		µg/L	0	GE
		Lead, total recoverable	7.4	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	342	1.00		µg/L	0	GE
		Manganese, total recoverable	6.1	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,240	2.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,280	2.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	893	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,460	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,220	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	28,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	146	1.00		µg/L	2	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	30	1.00		µg/L	0	GE
		Carbon-14	<-4.2E+00	1.00		pCi/L	0	GP
		Gross alpha	4.8E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
■		Tritium	2.0E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	<1.4E-02	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<1.4E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 24D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74012.4 E58438.8	33.284816 °N 81.656687 °W	241.0-221.0 ft msl	293.2 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/03/94
Depth to water: 56.25 ft (17.15 m) below TOC
Water elevation: 236.95 ft (72.22 m) msl
Sp. conductance: 69 µS/cm
Turbidity: 27.5 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 9: 44
pH: 9.8
Alkalinity: 18 mg/L
Water temperature: 17.5 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.3	1.00	J1	pH	1	GE
		Specific conductance	65	1.00		µS/cm	0	GE
		Turbidity	9.1	1.00		NTU	0	GE
		Turbidity	9.2	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
•		Aldrin	< 0.051	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	749	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	20	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	9,450	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,490	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	51	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
•		p,p'-DDT	< 0.10	1.00	J1	µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 24D collected on 02/03/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Dieldrin	<0.51	1.00	J1	µg/L	0	GE
•		Endrin	<0.0061	1.00	J1	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
•		Heptachlor	<0.051	1.00	J1	µg/L	0	GE
		Iron, total recoverable	304	1.00		µg/L	2	GE
		Lead, total recoverable	4.7	1.00	J	µg/L	0	GE
•		Lindane	<0.0051	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	171	1.00		µg/L	0	GE
		Manganese, total recoverable	22	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
•		Methoxychlor	<0.51	1.00	J1	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	720	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	718	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,140	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,940	1.00		µg/L	0	GE
		Sulfate	2,930	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.1	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	53,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	7.8	1.00	J	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
•		Toxaphene	<0.25	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	16	1.00		µg/L	0	GE
		Carbon-14	<2.4E+00	1.00		pCi/L	0	GP
		Gross alpha	5.8E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<5.9E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1.00	J	pCi/L	0	GP
		Tritium	8.3E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	<4.3E-02	1.00		pCi/L	0	GP
		Uranium-235	<1.5E-02	1.00		pCi/L	0	GP
		Uranium-238	<4.4E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 25A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76158.5 E55668.1	33.285042 °N 81.668151 °W	114.1-104.1 ft msl	296.5 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 02/25/94
Depth to water: 135.69 ft (41.36 m) below TOC
Water elevation: 160.81 ft (49.02 m) msl
Sp. conductance: 249 μ S/cm
Turbidity: 5.4 NTU
Water evacuated before sampling: 16 gal
The well went dry during purging.

Time: 9: 40
pH: 7.7
Alkalinity: 101 mg/L
Water temperature: 15.2 °C

Volumes purged: 0.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.8	1.00	J1	pH	0	GE
		Specific conductance	243	1.00		μ S/cm	0	GE
		Turbidity	0.63	1.00		NTU	0	GE
•		Turbidity	0.65	1.00	J1	NTU	0	GE
		Acetophenone	<9.7	1.00		μ g/L	0	GE
•		Aldrin	<0.049	1.00	J1	μ g/L	0	GE
		Aluminum, total recoverable	39	1.00		μ g/L	1	GE
		Aluminum, total recoverable	37	1.00		μ g/L	1	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	41	1.00		μ g/L	0	GE
		Barium, total recoverable	41	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	51,000	1.00		μ g/L	0	GE
		Calcium, total recoverable	50,800	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,560	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	11	1.00		μ g/L	0	GE
		Copper, total recoverable	11	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
•		p,p'-DDT	<0.097	1.00	J1	μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 25A collected on 02/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
•		Dieldrin	<0.49	1.00	J1	µg/L	0	GE
•		Endrin	<0.0058	1.00	J1	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
•		Heptachlor	<0.049	1.00	J1	µg/L	0	GE
		Iron, total recoverable	177	1.00		µg/L	1	GE
		Iron, total recoverable	176	1.00		µg/L	1	GE
		Lead, total recoverable	5.4	1.00		µg/L	0	GE
•		Lindane	<0.0049	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	823	1.00		µg/L	0	GE
		Magnesium, total recoverable	821	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
•		Methoxychlor	<0.49	1.00	J1	µg/L	0	GE
		Naphthalene	<9.7	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	879	1.00		µg/L	0	GE
		Potassium, total recoverable	788	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	44,000	1.00		µg/L	0	GE
		Silica, total recoverable	43,900	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,320	1.00		µg/L	0	GE
		Sodium, total recoverable	2,330	1.00		µg/L	0	GE
		Sulfate	8,460	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	181,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
•		Toxaphene	<0.23	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	<4.1E-01	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 25A collected on 02/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	<3.4E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	<2.0E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP
		Tritium	<1.9E-02	1.00		pCi/mL	0	GP
		Uranium-233/234	3.7E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<1.5E-02	1.00		pCi/L	0	GP
		Uranium-238	3.9E-01	1.00	J	pCi/L	0	GP

WELL BGO 26D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76128.0	33.283910 °N	233.5-213.4 ft msl	285.5 ft msl	4" PVC	S	Water Table (IIB ₂)
E55015.2	81.669811 °W					

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 57.05 ft (17.39 m) below TOC
Water elevation: 228.45 ft (69.63 m) msl
Sp. conductance: 29 µS/cm
Turbidity: 5.1 NTU
Water evacuated before sampling: 9 gal
The well went dry during purging.

Time: 10: 06
pH: 5.0
Alkalinity: 0 mg/L
Water temperature: 16.9 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1.00	J1	pH	0	GE
•		pH	5.8	1.00	J1	pH	0	GE
		Specific conductance	28	1.00		µS/cm	0	GE
		Turbidity	11	1.00		NTU	0	GE
		Turbidity	11	1.00		NTU	0	GE
		Acetophenone	<9.7	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	206	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00	J3	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	7.7	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,070	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,340	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 26D collected on 01/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	67	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.098	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.49	1.00		µg/L	0	GE
		Endrin	< 0.0059	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.049	1.00		µg/L	0	GE
		Iron, total recoverable	170	1.00		µg/L	1	GE
		Lead, total recoverable	11	1.00		µg/L	0	GE
		Lead, total recoverable	12	1.00		µg/L	0	GE
		Lindane	< 0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	527	1.00		µg/L	0	GE
		Manganese, total recoverable	16	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.49	1.00		µg/L	0	GE
		Naphthalene	< 9.7	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,010	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	960	1.00		µg/L	0	GE
		Phenols	< 10	2.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,270	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,350	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	1.1	1.00	J	µg/L	0	GE
		Tin, total recoverable	4.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	29,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	12	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 9.7	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	3.8	1.00		µg/L	1	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 26D collected on 01/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	3.3E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.6E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1.00	J	pCi/L	0	GP
		Tritium	6.5E+00	1.00		pCi/mL	0	GP
		Tritium	6.4E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	<3.7E-02	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<4.3E-02	1.00		pCi/L	0	GP

WELL BGO 27C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75666.3	33.282328 °N	163.9-154.9 ft msl	276 ft msl	4" PVC	S	McBean (IIB ₁)
E54671.4	81.669820 °W					

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 54.73 ft (16.68 m) below TOC
Water elevation: 221.27 ft (67.44 m) msl
Sp. conductance: 111 µS/cm
Turbidity: 0.8 NTU
Water evacuated before sampling: 181 gal

Time: 11:00
pH: 7.3
Alkalinity: 40 mg/L
Water temperature: 18.8 °C

Volumes purged: 4.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1.00	J1	pH	0	GE
		Specific conductance	110	1.00		µS/cm	0	GE
		Specific conductance	111	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00	J3	µg/L	0	GE
		Aluminum, total recoverable	35	1.00		µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	3.2	1.00	J	µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	19,500	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,950	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

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WELL BGO 27C collected on 01/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	17	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00	J3	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00	J3	µg/L	0	GE
		Endrin	<0.0061	1.00	J3	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	117	1.00	J	µg/L	0	GE
		Heptachlor	<0.051	1.00	J3	µg/L	0	GE
		Iron, total recoverable	19	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00	J3	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	325	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00	J3	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	680	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	9,770	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,730	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	73,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	45	1.00		µg/L	1	GE
		Total phosphates (as P)	280	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
■		Trichloroethylene	22	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	<9.2E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 27C collected on 01/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	< 4.2E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	4.0E-01	1.00	J	pCi/L	0	GP
■		Tritium	6.6E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 3.8E-02	1.00		pCi/L	0	GP
		Uranium-235	< 9.6E-03	1.00		pCi/L	0	GP
		Uranium-238	< -4.7E-03	1.00		pCi/L	0	GP

WELL BGO 27D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75677.3 E54680.2	33.282366 °N 81.669818 °W	229.3-209.3 ft msl	276.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 48.57 ft (14.80 m) below TOC
Water elevation: 227.73 ft (69.41 m) msl
Sp. conductance: 35 µS/cm
Turbidity: 40.4 NTU
Water evacuated before sampling: 12 gal
The well went d.y during purging.

Time: 10: 35
pH: 4.9
Alkalinity: 0 mg/L
Water temperature: 17.4 °C
Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1.00	J1	pH	0	GE
		Specific conductance	32	1.00		µS/cm	0	GE
		Turbidity	137	10.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	229	1.00		µg/L	2	GE
		Aluminum, total recoverable	231	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	15	1.00		µg/L	0	GE
		Barium, total recoverable	15	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	875	1.00		µg/L	0	GE
		Calcium, total recoverable	876	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,810	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 27D collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	20	1.00		µg/L	0	GE
		Copper, total recoverable	20	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	92	1.00		µg/L	0	GE
		Iron, total recoverable	92	1.00		µg/L	0	GE
		Lead, total recoverable	7.9	1.00		µg/L	0	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,200	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,200	1.00		µg/L	0	GE
		Manganese, total recoverable	19	1.00		µg/L	0	GE
		Manganese, total recoverable	19	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 27D collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nitrate-nitrite as nitrogen	1,750	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	892	1.00		µg/L	0	GE
		Potassium, total recoverable	932	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,920	1.00		µg/L	0	GE
		Silica, total recoverable	6,930	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,630	1.00		µg/L	0	GE
		Sodium, total recoverable	1,640	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.7	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00	J3	µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	30,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	17	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	1.9E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.8E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E+00	1.00		pCi/L	0	GP
■		Tritium	2.5E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 8.8E-02	1.00		pCi/L	0	GP
		Uranium-235	< 1.7E-02	1.00		pCi/L	0	GP
		Uranium-238	1.3E-01	1.00	J	pCi/L	0	GP

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WELL BGO 28D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75348.3 E54457.9	33.281276 °N 81.669764 °W	230.1-210.1 ft msl	277.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 51.31 ft (15.64 m) below TOC
Water elevation: 226.09 ft (68.91 m) msl
Sp. conductance: 98 µS/cm
Turbidity: 30.9 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 9: 24
pH: 5.5
Alkalinity: 8 mg/L
Water temperature: 14.4 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	88	1.00		µS/cm	0	GE
		Turbidity	68	2.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00	J3	µg/L	0	GE
		Aluminum, total recoverable	1,660	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	32	1.00		µg/L	0	GE
		Benzene	<5.0	5.00		µg/L	0	GE
		Bromodichloromethane	<5.0	5.00		µg/L	0	GE
		Bromoform	<5.0	5.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<5.0	5.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	4,190	1.00		µg/L	0	GE
		Carbon tetrachloride	<5.0	5.00		µg/L	0	GE
		Chloride	10,400	1.00		µg/L	0	GE
		Chlorobenzene	<5.0	5.00		µg/L	0	GE
		Chloroethane	<5.0	5.00		µg/L	0	GE
■		Chloroethene (Vinyl chloride)	140	5.00		µg/L	2	GE
		2-Chloroethyl vinyl ether	<5.0	5.00		µg/L	0	GE
		Chloroform	<5.0	5.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<5.0	5.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	13	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00	J3	µg/L	0	GE
		Dibromochloromethane	<5.0	5.00		µg/L	0	GE
		1,1-Dichloroethane	54	5.00		µg/L	2	GE
		1,2-Dichloroethane	<5.0	5.00		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	5.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	5.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	5.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00	J3	µg/L	0	GE
		1,2-Dichloropropane	<5.0	5.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	5.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	5.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 28D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.50	1.00	J3	µg/L	0	GE
		Endrin	<0.0060	1.00	J3	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00	J3	µg/L	0	GE
		Iron, total recoverable	643	1.00		µg/L	2	GE
		Lead, total recoverable	20	1.00		µg/L	0	GE
		Lead, total recoverable	21	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00	J3	µg/L	0	GE
		Lithium, total recoverable	15	1.00		µg/L	0	GE
		Magnesium, total recoverable	763	1.00		µg/L	0	GE
		Manganese, total recoverable	73	1.00		µg/L	2	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00	J3	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	15	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	640	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	923	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,550	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	10,300	1.00		µg/L	0	GE
		Sulfate	5,710	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	5.00		µg/L	C	GE
		Tetrachloroethylene	<5.0	5.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<5.0	5.00		µg/L	0	GE
		Total dissolved solids	55,000	1.00		µg/L	0	GE
		Total organic carbon	5,270	1.00		µg/L	1	GE
		Total organic halogens	790	100.00	J1	µg/L	2	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00	J3	µg/L	0	GE
		Tributyl phosphate	17	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	5.00		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	5.00		µg/L	0	GE
		Trichloroethylene	190	5.00		µg/L	2	GE
		Trichlorofluoromethane	<5.0	5.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	2.9E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.5E+00	1.00		pCi/L	0	GP
		Tritium	1.2E+05	1.00		pCi/mL	2	GP
		Uranium-233/234	<6.4E-02	1.00		pCi/L	0	GP
		Uranium-235	<-1.8E-02	1.00		pCi/L	0	GP
		Uranium-238	<1.2E-01	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75560.0 E54103.5	33.281166 °N 81.671108 °W	112.5-102.5 ft msl	264.2 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/28/94
Depth to water: 104.63 ft (31.89 m) below TOC
Water elevation: 159.57 ft (48.64 m) msl
Sp. conductance: 122 μ S/cm
Turbidity: 9.8 NTU
Water evacuated before sampling: 38 gal
The well went dry during purging.

Time: 10: 07
pH: 8.2
Alkalinity: 45 mg/L
Water temperature: 18.2 °C
Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.9	1.00	J1	pH	0	GE
•		pH	7.9	1.00	J1	pH	0	GE
		Specific conductance	134	1.00		μ S/cm	0	GE
		Turbidity	5.0	1.00		NTU	0	GE
•		Turbidity	4.5	1.00	J1	NTU	0	GE
		Acetophenone	<9.8	1.00		μ g/L	0	GE
		Aldrin	<0.051	1.00		μ g/L	0	GE
		Aluminum, total recoverable	94	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	23	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	24,900	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	1,640	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29A collected on 01/28/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	52	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	831	1.00		µg/L	0	GE
		Manganese, total recoverable	2.9	1.00	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00	J3	µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<9.8	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	630	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	J3	µg/L	0	GE
		Silica, total recoverable	13,900	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,270	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	91,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,090	1.00	J	µg/L	0	GE
		Total organic halogens	67	1.00		µg/L	2	GE
		Total phosphates (as P)	300	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	<9.8	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	2.9	1.00		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	6.0E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1.00	J	pCi/L	0	GP
		Tritium	1.1E+01	1.00		pCi/mL	1	GP
		Uranium-233/234	<1.7E-02	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<6.6E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75577.8 E54099.1	33.281198 °N 81.671154 °W	186.8-176.8 ft msl	264.8 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/28/94
Depth to water: 41.72 ft (12.72 m) below TOC
Water elevation: 223.08 ft (68.00 m) msl
Sp. conductance: 31 μ S/cm
Turbidity: 2.2 NTU
Water evacuated before sampling: 28 gal
The well went dry during purging.

Time: 9: 47
pH: 5.3
Alkalinity: 2 mg/L
Water temperature: 18.1 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1.00	J1	pH	0	GE
		Specific conductance	41	1.00		μ S/cm	0	GE
•		Turbidity	1.7	1.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.049	1.00		μ g/L	0	GE
		Aluminum, total recoverable	101	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	21	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	2,710	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,170	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.098	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		Dieldrin	<0.49	1.00		μ g/L	0	GE
		Endrin	<0.0059	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29C collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	48	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	624	1.00		µg/L	0	GE
		Manganese, total recoverable	7.5	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,090	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,120	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,190	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,120	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.9	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	35,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	15	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	1.1	1.00	J	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	<2.9E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	<4.5E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
■		Tritium	1.9E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	<6.9E-02	1.00		pCi/L	0	GP
		Uranium-235	<-9.3E-03	1.00		pCi/L	0	GP
		Uranium-238	<0.0E+00	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75592.5 E54099.4	33.281231 °N 81.671182 °W	228.5-208.5 ft msl	265.5 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/28/94
Depth to water: 39.07 ft (11.91 m) below TOC
Water elevation: 226.43 ft (69.02 m) msl
Sp. conductance: 68 µS/cm
Turbidity: 18.7 NTU
Water evacuated before sampling: 10 gal
The well went dry during purging.

Time: 9: 40
pH: 5.0
Alkalinity: 0 mg/L
Water temperature: 17.5 °C
Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.2	1.00	J1	pH	0	GE
		Specific conductance	54	1.00		µS/cm	0	GE
•		Turbidity	73	4.00	J1	NTU	0	GE
		Acetophenone	<9.9	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	1,170	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	32	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	3,420	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,040	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	8.7	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 29D collected on 01/28/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.051	1.00		µg/L	0	GE
		Iron, total recoverable	637	1.00		µg/L	2	GE
		Lead, total recoverable	6.0	1.00		µg/L	0	GE
		Lindane	< 0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	10.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,080	1.00		µg/L	0	GE
		Manganese, total recoverable	68	1.00		µg/L	2	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.51	1.00		µg/L	0	GE
		Naphthalene	< 9.9	1.00		µg/L	0	GE
		Nickel, total recoverable	5.8	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	610	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,240	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	10,600	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,670	1.00		µg/L	0	GE
		Sulfate	9,940	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.6	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	39,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	25	1.00		µg/L	1	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	< 9.9	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	3.0E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.8E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	2.8E+00	1.00		pCi/L	0	GP
		Tritium	9.2E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	1.5E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 4.1E-02	1.00		pCi/L	0	GP
		Uranium-238	< 9.3E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75181.0 E54512.3	33.280995 °N 81.669296 °W	188.4-178.4 ft msl	274.5 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 55.00 ft (16.76 m) below TOC
Water elevation: 219.50 ft (66.90 m) msl
Sp. conductance: 40 µS/cm
Turbidity: 58.9 NTU
Water evacuated before sampling: 25 gal
The well went dry during purging.

Time: 9: 36
pH: 6.2
Alkalinity: 11 mg/L
Water temperature: 15.2 °C
Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1.00	J1	pH	0	GE
		Specific conductance	39	1.00		µS/cm	0	GE
		Turbidity	29	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
•		Aldrin	<0.054	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	794	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	14	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	3,380	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,240	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	4.4	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
•		p,p'-DDT	<0.11	1.00	J1	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30C collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
•		Dieldrin	< 0.54	1.00	J1	µg/L	0	GE
•		Endrin	< 0.0064	1.00	J1	µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
•		Heptachlor	< 0.054	1.00	J1	µg/L	0	GE
		Iron, total recoverable	549	1.00		µg/L	2	GE
		Lead, total recoverable	17	1.00		µg/L	0	GE
•		Lindane	< 0.0054	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	13	1.00		µg/L	0	GE
		Magnesium, total recoverable	258	1.00		µg/L	0	GE
		Manganese, total recoverable	24	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
•		Methoxychlor	< 0.54	1.00	J1	µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	400	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,050	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	9,560	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,290	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	22,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	10	1.00		µg/L	0	GE
		Total phosphates (as P)	160	1.00		µg/L	0	GE
		Total phosphates (as P)	190	1.00		µg/L	0	GE
•		Toxaphene	< 0.26	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00048	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30C collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
■		Trichloroethylene	11	1.00		µg/L	2	GE
■		Trichloroethylene	11	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	4.6E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	8.6E-01	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1.00	J	pCi/L	0	GP
		Total activity	6.8E+05	1.00		pCi/L	0	EM
■		Tritium	6.2E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	<8.6E-02	1.00		pCi/L	0	GP
		Uranium-235	<-2.6E-02	1.00		pCi/L	0	GP
		Uranium-238	<2.4E-02	1.00		pCi/L	0	GP

WELL BGO 30D

<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>
N75187.7 E54499.2	33.280988 °N 81.669343 °W	227.8-207.8 ft msl	274.8 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 49.30 ft (15.03 m) below TOC
Water elevation: 225.50 ft (68.73 m) msl
Sp. conductance: 152 µS/cm
Turbidity: 11.6 NTU
Water evacuated before sampling: 11 gal
The well went dry during purging.

Time: 9: 44
pH: 5.8
Alkalinity: 23 mg/L
Water temperature: 17.3 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.8	1.00	J1	pH	0	GE
		Specific conductance	144	1.00		µS/cm	0	GE
		Turbidity	2.5	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	396	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	52	1.00		µg/L	0	GE
		Benzene	1.4	1.00	J	µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Calcium, total recoverable	11,900	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	8,790	5.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
	■	Chloroethene (Vinyl chloride)	7.8	1.00		µg/L	2	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	52	1.00		µg/L	1	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	5.3	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	108	5.00		µg/L	2	GE
		1,2-Dichloroethane	1.3	1.00	J	µg/L	0	GE
	■	1,1-Dichloroethylene	19	1.00		µg/L	2	GE
		trans-1,2-Dichloroethylene	1.1	1.00	J	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	64	1.00		µg/L	0	GE
		Lead, total recoverable	42	1.00		µg/L	1	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	10	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,260	1.00		µg/L	0	GE
		Manganese, total recoverable	58	1.00		µg/L	2	GE
		Mercury, total recoverable	0.31	1.00	J	µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	7.3	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,860	2.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,820	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	14,500	1.00		µg/L	0	GE
		Sulfate	1,170	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	4.6	1.00		µg/L	1	GE
		Tin, total recoverable	2.8	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	92,000	1.00		µg/L	0	GE
		Total organic carbon	6,430	1.00		µg/L	1	GE
	●	Total organic halogens	1,250	10.00	J1	µg/L	2	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 30D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4,5-TP (Silvex)	<0.00044	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
	■	Trichloroethylene	81	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	6.5	1.00		µg/L	0	GE
		Gross alpha	9.2E+00	1.00		pCi/L	1	GP
		Nonvolatile beta	5.6E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	5.6E+00	1.00		pCi/L	0	GP
	■	Tritium	4.5E+04	1.00		pCi/mL	2	GP
		Uranium-233/234	<6.0E-02	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<1.4E-01	1.00		pCi/L	0	GP

WELL BGO 31C

<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>
N74978.0	33.281042 °N	186.4-176.4 ft msl	273.1 ft msl	4" PVC	S	McBean (IIB ₁)
E54816.2	81.668101 °W					

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 47.78 ft (14.56 m) below TOC
Water elevation: 225.32 ft (68.68 m) msl
Sp. conductance: 27 µS/cm
Turbidity: 12.9 NTU
Water evacuated before sampling: 29 gal
The well went dry during purging.

Time: 10:10
pH: 5.4
Alkalinity: 1 mg/L
Water temperature: 15.9 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	30	1.00		µS/cm	0	GE
		Turbidity	3.7	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	319	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	8.4	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	2,010	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 31C collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloride	1,880	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	122	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	514	1.00		µg/L	0	GE
		Manganese, total recoverable	10	1.00		µg/L	0	GE
		Mercury, total recoverable	0.21	1.00	J	µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,090	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,880	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,790	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	2.7	1.00		µg/L	1	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	26,000	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 31C collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total dissolved solids	26,000	1.00		µg/L	0	GE
		Total organic carbon	4,410	1.00		µg/L	0	GE
		Total organic halogens	11	1.00		µg/L	0	GE
•		Total organic halogens	13	1.00	J1	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	3.6	1.00		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.9E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.2E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	2.3E+00	1.00		pCi/L	0	GP
■		Tritium	3.1E+03	1.00		pCi/mL	2	GP
		Uranium-233/234	<9.2E-03	1.00		pCi/L	0	GP
		Uranium-235	<3.8E-02	1.00		pCi/L	0	GP
		Uranium-238	<6.6E-02	1.00		pCi/L	0	GP

WELL BGO 31D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74985.3	33.281099 °N	231.1-211.1 ft msl	273.7 ft msl	4" PVC	S	Water Table (IIB ₂)
E54841.7	81.668048 °W					

FIELD MEASUREMENTS

Sample date: 02/01/94

Depth to water: 47.30 ft (14.42 m) below TOC

Water elevation: 226.40 ft (69.01 m) msl

Sp. conductance: 33 µS/cm

Turbidity: 7.6 NTU

Water evacuated before sampling: 5 gal

The well went dry during purging.

Time: 10: 01

pH: 4.9

Alkalinity: 0 mg/L

Water temperature: 9.9 °C

Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1.00	J1	pH	0	GE
		Specific conductance	30	1.00		µS/cm	0	GE
		Turbidity	18	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	123	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	9.6	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 31D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	527	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	3,500	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	10.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	76	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 31D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,580	1.00		µg/L	0	GE
		Manganese, total recoverable	14	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	6.9	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,090	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	6,950	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,250	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	4.1	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	26,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.9E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.4E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.9E+00	1.00	JV2	pCi/L	0	GP
■		Tritium	3.0E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	<5.9E-02	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	1.2E-01	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 32D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74727.0 E55250.2	33.281195 °N 81.666471 °W	234.5-214.5 ft msl	281.7 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 54.42 ft (16.59 m) below TOC
Water elevation: 227.28 ft (69.28 m) msl
Sp. conductance: 67 µS/cm
Turbidity: 55.0 NTU
Water evacuated before sampling: 6 gal
The well went dry during purging.

Time: 10: 57
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 16.4 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		pH	4.8	1.00		pH	0	GE
		pH	5.2	1.00		pH	0	GE
•		pH	4.8	1.00	J1	pH	0	GE
		Specific conductance	67	1.00		µS/cm	0	GE
		Turbidity	25	1.00		NTU	0	GE
		Acetophenone	<9.9	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	910	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00	J3	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	129	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	818	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	5,780	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	1.4	1.00	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	259	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 32D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	243	1.00		µg/L	1	GE
		Lead, total recoverable	29	5.00		µg/L	1	GE
		Lead, total recoverable	30	5.00		µg/L	1	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,410	1.00		µg/L	0	GE
		Manganese, total recoverable	16	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<9.9	1.00		µg/L	0	GE
		Nickel, total recoverable	6.0	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	3,400	20.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,050	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,440	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	6,850	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
■		Tetrachloroethylene	5.3	1.00		µg/L	2	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	43,000	1.00		µg/L	0	GE
		Total dissolved solids	43,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	11	1.00		µg/L	0	GE
		Total organic halogens	13	1.00		µg/L	0	GE
		Total phosphates (as P)	220	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1.00		µg/L	0	GE
		Tributyl phosphate	<9.9	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
■		Trichloroethylene	5.1	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.2E+01	1.00		pCi/L	1	GP
		Nonvolatile beta	8.9E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+01	1.00		pCi/L	1	GP
		Total activity	8.6E+05	1.00		pCi/L	0	EM
■		Tritium	6.2E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<-6.5E-03	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74479.7 E55681.4	33.281351 °N 81.664855 °W	187.8-177.8 ft msl	279.4 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 54.37 ft (16.57 m) below TOC
Water elevation: 225.03 ft (68.59 m) msl
Sp. conductance: 55 µS/cm
Turbidity: 0.7 NTU
Water evacuated before sampling: 220 gal

Time: 14: 41
pH: 5.7
Alkalinity: 5 mg/L
Water temperature: 19.3 °C
Volumes purged: 7.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1.00	J1	pH	0	GE
		Specific conductance	50	1.00		µS/cm	0	GE
		Specific conductance	50	1.00		µS/cm	0	GE
•		Turbidity	0.24	1.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	251	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	11	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	4,240	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	5,420	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	12	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33C collected on 01/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	8.4	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	676	1.00		µg/L	0	GE
		Manganese, total recoverable	29	1.00		µg/L	1	GE
■		Mercury, total recoverable	2.8	1.00		µg/L	2	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	930	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	940	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	504	1.00	J	µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	10,800	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,250	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
■		Tetrachloroethylene	5.1	1.00		µg/L	2	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	35,000	1.00		µg/L	0	GE
		Total dissolved solids	35,000	1.00		µg/L	0	GE
		Total organic carbon	1,400	1.00	J	µg/L	0	GE
•		Total organic halogens	96	1.00	J1	µg/L	2	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
■		Trichloroethylene	26	1.00		µg/L	2	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	< 4.0E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	< 6.0E-01	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33C collected on 01/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
		Total activity	8.8E+06	10.00		pCi/L	0	EM
■		Tritium	8.2E+03	1.00		pCi/mL	2	GP
		Uranium-233/234	2.3E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<1.0E-01	1.00		pCi/L	0	GP
		Uranium-238	<4.8E-02	1.00		pCi/L	0	GP

WELL BGO 33D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74468.7	33.281350 °N	233.1-213.1 ft msl	280.3 ft msl	4" PVC	S	Water Table (IIB ₂)
E55695.4	81.664797 °W					

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 50.45 ft (15.38 m) below TOC
Water elevation: 229.85 ft (70.06 m) msl
Sp. conductance: 62 µS/cm
Turbidity: 25.1 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 11: 11
pH: 5.0
Alkalinity: 0 mg/L
Water temperature: 14.8 °C

Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1.00	J1	pH	0	GE
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	58	1.00		µS/cm	0	GE
		Turbidity	47	5.00		NTU	0	GE
		Acetophenone	<9.7	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	2,380	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	19	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,330	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	8,500	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	20	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	959	1.00		µg/L	2	GE
		Lead, total recoverable	11	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,780	1.00		µg/L	0	GE
		Manganese, total recoverable	7.7	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<9.7	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	8,700	5.00		µg/L	1	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,700	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	10,300	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,990	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	22	1.00		µg/L	2	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	36,000	1.00		µg/L	0	GE
		Total dissolved solids	38,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	19	1.00		µg/L	0	GE
		Total organic halogens	23	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<9.7	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	3.4E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	3.6E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	5.4E+00	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 33D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Radium, total alpha-emitting	4.7E+00	1.00	JV2	pCi/L	0	GP
■		Tritium	2.1E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	1.1E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<8.4E-03	1.00		pCi/L	0	GP
		Uranium-238	<8.4E-03	1.00		pCi/L	0	GP

WELL BGO 34D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74228.8	33.281451 °N	232.7-212.7 ft msl	274.9 ft msl	4" PVC	S	Water Table (IIB ₂)
E56082.6	81.663311 °W					

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 42.58 ft (12.98 m) below TOC
Water elevation: 232.32 ft (70.81 m) msl
Sp. conductance: 33 µS/cm
Turbidity: 5.0 NTU
Water evacuated before sampling: 13 gal
The well went dry during purging.

Time: 11: 24
pH: 5.7
Alkalinity: 2 mg/L
Water temperature: 15.1 °C

Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1.00	J1	pH	0	GE
		Specific conductance	32	1.00		µS/cm	0	GE
		Turbidity	0.85	1.00		NTU	0	GE
		Turbidity	0.93	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
•		Aldrin	<0.053	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	143	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	26	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	2,330	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	3,440	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	9.8	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
•		p,p'-DDT	<0.11	1.00	J1	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 34D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
•		Dieldrin	<0.53	1.00	J1	µg/L	0	GE
•		Endrin	<0.0064	1.00	J1	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
•		Heptachlor	<0.053	1.00	J1	µg/L	0	GE
		Iron, total recoverable	21	1.00		µg/L	0	GE
		Lead, total recoverable	8.9	1.00		µg/L	0	GE
•		Lindane	<0.0053	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	788	1.00		µg/L	0	GE
		Manganese, total recoverable	3.6	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
•		Methoxychlor	<0.53	1.00	J1	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,050	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	6,620	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,750	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	9.2	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	26,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	19	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
•		Toxaphene	<0.26	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.7E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.0E+00	1.00		pCi/L	0	GP
■		Tritium	2.3E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	<-1.1E-03	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 34D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-238	<4.2E-02	1.00		pCi/L	0	GP

WELL BGO 35C

<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>
N73953.9 E56545.7	33.281598 °N 81.661558 °W	171.9-161.9 ft msl	273.4 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 45.48 ft (13.86 m) below TOC
Water elevation: 227.92 ft (69.47 m) msl
Sp. conductance: 43 µS/cm
Turbidity: 0.3 NTU
Water evacuated before sampling: 192 gal

Time: 15: 24
pH: 6.4
Alkalinity: 11 mg/L
Water temperature: 19.0 °C
Volumes purged: 4.4 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.5	1.00	J1	pH	0	GE
		Specific conductance	43	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	21	1.00	J	µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	10	1.00		µg/L	0	GE
		Barium, total recoverable	10	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	5,080	1.00		µg/L	0	GE
		Calcium, total recoverable	5,090	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,840	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	397	1.00		µg/L	0	GE
		Magnesium, total recoverable	399	1.00		µg/L	0	GE
		Manganese, total recoverable	6.7	1.00		µg/L	0	GE
		Manganese, total recoverable	6.8	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	980	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	9,660	1.00		µg/L	0	GE
		Silica, total recoverable	9,700	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,950	1.00		µg/L	0	GE
		Sodium, total recoverable	1,960	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.1	1.00	J	µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	34,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	15	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35C collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	<5.7E-02	1.00		pCi/L	0	GP
		Nonvolatile beta	<4.9E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1.00	J	pCi/L	0	GP
		Tritium	1.6E+01	1.00		pCi/mL	1	GP
		Uranium-233/234	<8.5E-02	1.00		pCi/L	0	GP
		Uranium-235	<8.5E-02	1.00		pCi/L	0	GP
		Uranium-238	1.5E-01	1.00	J	pCi/L	0	GP

WELL BGO 35D

<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>
N73946.0	33.281599 °N	239.4-219.4 ft msl	273.5 ft msl	4" PVC	S	Water Table (IIB ₂)
E56556.5	81.661514 °W					

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 39.88 ft (12.16 m) below TOC
Water elevation: 233.62 ft (71.21 m) msl
Sp. conductance: 37 µS/cm
Turbidity: 30.3 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 11: 35
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 15.2 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.4	1.00	J1	pH	0	GE
		Specific conductance	39	1.00		µS/cm	0	GE
		Turbidity	19	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.053	1.00		µg/L	0	GE
		Aluminum, total recoverable	3,360	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	26	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	169	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,920	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	52	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.11	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.1	1.00	J	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.53	1.00		µg/L	0	GE
		Endrin	< 0.0063	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.053	1.00		µg/L	0	GE
		Iron, total recoverable	1,270	1.00		µg/L	2	GE
		Lead, total recoverable	9.2	1.00		µg/L	0	GE
		Lindane	< 0.0053	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	406	1.00		µg/L	0	GE
		Manganese, total recoverable	5.9	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.53	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,540	2.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 35D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	14,100	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,990	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	32,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	6.0	1.00	J	µg/L	0	GE
		Total phosphates (as P)	80	1.00	J	µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00048	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	6.4E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	9.4E-01	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1.00	J	pCi/L	0	GP
■		Tritium	1.0E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	6.8E-02	1.00	J	pCi/L	0	GP
		Uranium-235	<1.8E-02	1.00		pCi/L	0	GP
		Uranium-238	1.1E-01	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 36D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73743.8 E56888.1	33.281692 °N 81.660248 °W	243.3-223.3 ft msl	275.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 39.13 ft (11.93 m) below TOC
Water elevation: 236.27 ft (72.02 m) msl
Sp. conductance: 29 µS/cm
Turbidity: 90.6 NTU
Water evacuated before sampling: 9 gal
The well went dry during purging.

Time: 11: 50
pH: 4.8
Alkalinity: 0 mg/L
Water temperature: 15.9 °C
Volumes purged: 1.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	28	1.00		µS/cm	0	GE
		Turbidity	15	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	637	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	17	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	61	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	3,480	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	147	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 36D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	188	1.00		µg/L	1	GE
		Lead, total recoverable	20	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	439	1.00		µg/L	0	GE
		Manganese, total recoverable	10	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,110	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	6,840	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,940	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.1	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	20,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	C	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.5E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1.00		pCi/L	0	GP
■		Tritium	2.5E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	<6.8E-03	1.00		pCi/L	0	GP
		Uranium-235	<3.4E-03	1.00		pCi/L	0	GP
		Uranium-238	6.4E-02	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 37D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73490.8 E57292.9	33.281793 °N 81.658691 °W	246.1-226.1 ft msl	287.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 51.30 ft (15.64 m) below TOC
Water elevation: 236.00 ft (71.93 m) msl
Sp. conductance: 31 μ S/cm
Turbidity: 32.1 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 13: 10
pH: 5.3
Alkalinity: 1 mg/L
Water temperature: 17.5 °C

Volumes purged: 1.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1.00	J1	pH	0	GE
		Specific conductance	34	1.00		μ S/cm	0	GE
		Turbidity	25	1.00		NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.050	1.00		μ g/L	0	GE
		Aluminum, total recoverable	221	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	11	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	406	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	1,510	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	25	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		Dieldrin	<0.50	1.00		μ g/L	0	GE
		Endrin	<0.0060	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 37D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	224	1.00		µg/L	1	GE
		Lead, total recoverable	15	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	333	1.00		µg/L	0	GE
		Manganese, total recoverable	20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	4.7	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,360	2.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	6,350	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,890	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.4	1.00	J	µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	24,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	4.4E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	< 3.1E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1.00	J	pCi/L	0	GP
■		Tritium	3.0E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	1.4E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 1.3E-02	1.00		pCi/L	0	GP
		Uranium-238	< 5.9E-03	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 38D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73329.3 E57557.5	33.281868 °N 81.657681 °W	242.3-222.3 ft msl	291.6 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 57.69 ft (17.58 m) below TOC
Water elevation: 233.91 ft (71.30 m) msl
Sp. conductance: 32 µS/cm
Turbidity: 26.0 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 12: 52
pH: 4.4
Alkalinity: 0 mg/L
Water temperature: 16.3 °C
Volumes purged: 1.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.8	1.00	J1	pH	0	GE
		Specific conductance	27	1.00		µS/cm	0	GE
		Turbidity	64	5.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.053	1.00		µg/L	0	GE
		Aluminum, total recoverable	336	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00	J3	µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	15	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	76	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,360	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	14	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.11	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 38D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dieldrin	<0.53	1.00		µg/L	0	GE
		Endrin	<0.0063	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.053	1.00		µg/L	0	GE
		Iron, total recoverable	70	1.00		µg/L	0	GE
		Lead, total recoverable	6.9	1.00		µg/L	0	GE
		Lead, total recoverable	7.1	1.00		µg/L	0	GE
		Lindane	<0.0053	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	701	1.00		µg/L	0	GE
		Manganese, total recoverable	19	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.53	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,560	2.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,560	2.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	6,100	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,420	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	4.2	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	14,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	56	1.00		µg/L	2	GE
		Total phosphates (as P)	110	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.5E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.9E+00	1.00		pCi/L	0	GP
■		Tritium	2.6E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	9.1E-02	1.00	J	pCi/L	0	GP
		Uranium-235	<6.7E-02	1.00		pCi/L	0	GP
		Uranium-238	<6.6E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 39D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73583.5 E57831.0	33.282876 °N 81.657454 °W	244.7-224.7 ft msl	295.7 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 60.95 ft (18.58 m) below TOC
Water elevation: 234.75 ft (71.55 m) msl
Sp. conductance: 33 µS/cm
Turbidity: 22.8 NTU
Water evacuated before sampling. 3 gal
The well went dry during purging.

Time: 12: 36
pH: 4.5
Alkalinity: 0 mg/L
Water temperature: 10.6 °C

Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.9	1.00	J1	pH	0	GE
		Specific conductance	29	1.00		µS/cm	0	GE
		Turbidity	19	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<11	1.00		µg/L	0	GE
		Aldrin	<0.053	1.00		µg/L	0	GE
		Aluminum, total recoverable	121	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	5.9	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	55	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	3,020	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	10	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.11	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 39D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.53	1.00		µg/L	0	GE
		Endrin	<0.0063	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.053	1.00		µg/L	0	GE
		Iron, total recoverable	56	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0053	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	110	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.53	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<11	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,310	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,350	1.00	J3	µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,330	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,880	1.00		µg/L	0	GE
		Sulfate	1,280	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	27,000	1.00		µg/L	0	GE
		Total dissolved solids	28,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	6.9	1.00	J	µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		Tributyl phosphate	<11	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.2E+00	1.00		pCi/L	0	GP
■		Tritium	2.9E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	<7.2E-02	1.00		pCi/L	0	GP
		Uranium-235	<6.1E-03	1.00		pCi/L	0	GP
		Uranium-238	1.2E-01	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 40D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76125.8 E54638.6	33.283290 °N 81.670799 °W	226.5-216.6 ft msl	288.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 65.46 ft (19.95 m) below TOC
Water elevation: 222.94 ft (67.95 m) msl
Sp. conductance: 302 µS/cm
Turbidity: 8.8 NTU
Water evacuated before sampling: 2 gal
The well went dry during purging.

Time: 12: 21
pH: 7.0
Alkalinity: 125 mg/L
Water temperature: 17.1 °C

Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1.00	J1	pH	0	GE
		Specific conductance	310	1.00		µS/cm	1	GE
		Turbidity	22	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	276	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	62	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	7,620	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,810	1.00		µg/L	0	GE
		Chloride	2,840	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	1.4	1.00	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	5.7	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 40D collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	286	1.00		µg/L	1	GE
		Lead, total recoverable	26	1.00		µg/L	1	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Lithium, total recoverable	611	1.00		µg/L	2	GE
		Magnesium, total recoverable	1,530	1.00		µg/L	0	GE
		Manganese, total recoverable	44	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	4.3	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,240	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	35,400	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,590	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	38,400	1.00		µg/L	0	GE
		Sulfate	4,370	1.00		µg/L	0	GE
		Sulfate	4,370	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	72	1.00		µg/L	2	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	191,000	1.00		µg/L	0	GE
		Total dissolved solids	189,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,950	1.00		µg/L	0	GE
		Total organic halogens	17	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	1.7	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	2.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1.00	J	pCi/L	0	GP
		Tritium	7.1E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	<8.6E-02	1.00		pCi/L	0	GP
		Uranium-235	<5.2E-02	1.00		pCi/L	0	GP
		Uranium-238	2.0E-01	1.00	J	pCi/L	0	GP

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WELL BGO 42C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76404.7 E55522.3	33.285349 °N 81.669014 °W	195.9-185.9 ft msl	297.9 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 74.14 ft (22.60 m) below TOC
Water elevation: 223.76 ft (68.20 m) msl
Sp. conductance: 48 µS/cm
Turbidity: 18.0 NTU
Water evacuated before sampling: 16 gal
The well went dry during purging.

Time: 9: 07
pH: 5.9
Alkalinity: 11 mg/L
Water temperature: 16.9 °C
Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1.00	J1	pH	0	GE
		Specific conductance	36	1.00		µS/cm	0	GE
		Turbidity	1.7	1.00		NTU	0	GE
		Acetophenone	<9.9	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	73	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	15	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,490	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,910	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	16	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 42C collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	365	1.00		µg/L	2	GE
		Lead, total recoverable	19	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	6.1	1.00	J	µg/L	0	GE
		Magnesium, total recoverable	529	1.00		µg/L	0	GE
		Manganese, total recoverable	11	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<9.9	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	870	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	684	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	11,300	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,580	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	4.3	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	32,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,260	1.00	J	µg/L	0	GE
		Total organic halogens	64	1.00		µg/L	2	GE
		Total organic halogens	75	1.00		µg/L	2	GE
		Total phosphates (as P)	150	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
	■	Trichloroethylene	36	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	4.9E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<3.8E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1.00	J	pCi/L	0	GP
		Tritium	6.6E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	1.0E-01	1.00	J	pCi/L	0	GP
		Uranium-235	1.0E-01	1.00	J	pCi/L	0	GP
		Uranium-238	1.2E-01	1.00	J	pCi/L	0	GP

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WELL BGO 43AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77066.0 E56268.6	33.288029 °N 81.668333 °W	72.2-62.2 ft msl	314.3 ft msl	4" PVC	S	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 158.16 ft (48.21 m) below TOC
Water elevation: 156.14 ft (47.59 m) msl
Sp. conductance: 205 µS/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 258 gal

Time: 15:39
pH: 9.1
Alkalinity: 78 mg/L
Water temperature: 19.5 °C
Volumes purged: 4.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	9.3	1.00	J1	pH	1	GE
		Specific conductance	176	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	78	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	53	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	37,600	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,650	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43AA collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.052	1.00		µg/L	0	GE
		Iron, total recoverable	5.0	1.00	J	µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0052	1.00		µg/L	0	GE
		Lithium, total recoverable	29	1.00		µg/L	1	GE
		Magnesium, total recoverable	634	1.00		µg/L	0	GE
		Manganese, total recoverable	3.4	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.52	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	< 50	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	3,200	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	28,400	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,440	1.00		µg/L	0	GE
		Sulfate	6,240	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.4	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	140,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	5.3	1.00	J	µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	1.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.7E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1.00	J	pCi/L	0	GP
		Tritium	< 0.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	< 1.7E-01	1.00		pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	< -1.1E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43CR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77035.2 E56237.2	33.287910 °N 81.668356 °W	188.4-178.4 ft msl	315.3 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 89.33 ft (27.23 m) below TOC
Water elevation: 225.97 ft (68.88 m) msl
Sp. conductance: 115 µS/cm
Turbidity: 11.4 NTU
Water evacuated before sampling: 21 gal
The well went dry during purging.

Time: 9: 39
pH: 8.3
Alkalinity: 33 mg/L
Water temperature: 17.0 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.9	1.00	J1	pH	0	GE
		Specific conductance	134	1.00		µS/cm	0	GE
		Turbidity	2.2	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	153	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	26	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	20,000	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,570	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	13	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43CR collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	304	1.00		µg/L	2	GE
		Lead, total recoverable	8.5	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	7.0	1.00	J	µg/L	0	GE
		Magnesium, total recoverable	1,960	1.00		µg/L	0	GE
		Manganese, total recoverable	24	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	9.5	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	120	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	2,530	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	9,630	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,420	1.00		µg/L	0	GE
		Sulfate	14,900	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	9.3	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	80,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,350	1.00	J	µg/L	0	GE
		Total organic carbon	1,490	1.00	J	µg/L	0	GE
		Total organic halogens	6.5	1.00	J	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.2E+01	1.00		pCi/L	1	GP
		Nonvolatile beta	1.0E+01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	8.2E+00	1.00		pCi/L	0	GP
		Tritium	3.5E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	2.0E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<1.2E-01	1.00		pCi/L	0	GP
		Uranium-238	4.1E-01	1.00	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 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>
N77056.7 E56238.8	33.287960 °N 81.668394 °W	208.2-198.2 ft msl	315.3 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 83.10 ft (25.33 m) below TOC
Water elevation: 232.20 ft (70.78 m) msl
Sp. conductance: 62 μ S/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 125 gal

Time: 15: 14
pH: 5.1
Alkalinity: 1 mg/L
Water temperature: 18.9 °C

Volumes purged: 5.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	62	1.00		μ S/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.051	1.00		μ g/L	0	GE
		Aluminum, total recoverable	28	1.00	J	μ g/L	1	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	12	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	4,440	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	3,060	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		Dieldrin	<0.51	1.00		μ g/L	0	GE
		Endrin	<0.0061	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 43D collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.051	1.00		µg/L	0	GE
		Iron, total recoverable	7.0	1.00		µg/L	0	GE
		Lead, total recoverable	6.3	1.00		µg/L	0	GE
		Lindane	< 0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,100	1.00		µg/L	0	GE
		Manganese, total recoverable	8.2	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.51	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	4.0	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	380	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,550	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,240	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,000	1.00		µg/L	0	GE
		Sulfate	12,400	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.4	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	41,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	12	1.00	J1	µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	6.8E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	6.0E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	4.8E+00	1.00		pCi/L	0	GP
		Tritium	4.2E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	< 3.9E-02	1.00		pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	< -1.4E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76755.2 E57851.2	33.289924 °N 81.663562 °W	108.0-98.0 ft msl	285.3 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/28/94
Depth to water: 127.09 ft (38.74 m) below TOC
Water elevation: 158.21 ft (48.22 m) msl
Sp. conductance: 192 µS/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 174 gal

Time: 10: 52
pH: 7.2
Alkalinity: 76 mg/L
Water temperature: 19.3 °C
Volumes purged: 4.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1.00	J1	pH	0	GE
		Specific conductance	188	1.00		µS/cm	0	GE
•		Turbidity	<0.10	1.00	J1	NTU	0	GE
		Acetophenone	<9.8	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	29	1.00	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	30	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	34,000	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,480	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44A collected on 01/28/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.049	1.00		µg/L	0	GE
		Iron, total recoverable	8.0	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	828	1.00		µg/L	0	GE
		Manganese, total recoverable	< 2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	0.34	1.00		µg/L	0	GE
		Methoxychlor	< 0.49	1.00		µg/L	0	GE
		Naphthalene	< 9.8	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	< 50	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	950	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	28,400	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,840	1.00		µg/L	0	GE
		Sulfate	5,010	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	132,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	150	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	1.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
		Tritium	< 1.7E-02	1.00		pCi/mL	0	GP
		Uranium-233/234	1.3E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	1.5E-01	1.00	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76757.0 E57880.5	33.289976 °N 81.663488 °W	71.3-61.2 ft msl	285.3 ft msl	4" PVC	S	L. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/28/94
Depth to water: 126.86 ft (38.67 m) below TOC
Water elevation: 158.44 ft (48.29 m) msl
Sp. conductance: 200 μ S/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 302 gal

Time: 11: 19
pH: 10.4
Alkalinity: 77 mg/L
Water temperature: 19.6 °C

Volumes purged: 4.7 well volumes

LABORATORY ANALYSES

<u>I</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.8	1.00	J1	pH	1	GE
		Specific conductance	106	1.00		μ S/cm	0	GE
•		Turbidity	<0.10	1.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.049	1.00		μ g/L	0	GE
		Aluminum, total recoverable	164	1.00		μ g/L	2	GE
		Aluminum, total recoverable	165	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	84	1.00		μ g/L	0	GE
		Barium, total recoverable	85	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	30,600	1.00		μ g/L	0	GE
		Calcium, total recoverable	31,000	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,000	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.098	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44AA collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	117	1.00	J	µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	16	1.00		µg/L	0	GE
		Iron, total recoverable	16	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	79	1.00		µg/L	2	GE
		Lithium, total recoverable	79	1.00		µg/L	2	GE
		Magnesium, total recoverable	504	1.00		µg/L	0	GE
		Magnesium, total recoverable	511	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	6,750	1.00		µg/L	0	GE
		Potassium, total recoverable	6,760	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	26,400	1.00		µg/L	0	GE
		Silica, total recoverable	26,700	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	6,320	1.00		µg/L	0	GE
		Sodium, total recoverable	6,380	1.00		µg/L	0	GE
		Sulfate	8,380	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	13	1.00		µg/L	1	GE
		Tin, total recoverable	15	1.00		µg/L	1	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	88,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44AA collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	7.4E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	5.7E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1.00		pCi/L	0	GP
		Tritium	3.1E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	2.1E-01	1.00	J	pCi/L	0	GP
		Uranium-235	2.1E-01	1.00	J	pCi/L	0	GP
		Uranium-238	2.1E-01	1.00	J	pCi/L	0	GP

WELL BGO 44B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76756.0 E57865.8	33.289950 °N 81.663525 °W	158.1-148.1 ft msl	285.2 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 64.00 ft (19.51 m) below TOC
Water elevation: 221.20 ft (67.42 m) msl
Sp. conductance: 399 µS/cm
Turbidity: 127 NTU
Water evacuated before sampling: 39 gal
The well went dry during purging.

Time: 12: 35
pH: 11.3
Alkalinity: 90 mg/L
Water temperature: 17.5 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.8	1.00	J1	pH	1	GE
		Specific conductance	155	1.00		µS/cm	0	GE
		Turbidity	78	2.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.053	1.00		µg/L	0	GE
		Aluminum, total recoverable	161	1.00		µg/L	2	GE
		Antimony, total recoverable	< 4.0	2.00		µg/L	0	GE
		Arsenic, total recoverable	15	1.00		µg/L	0	GE
		Barium, total recoverable	50	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	63,500	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,410	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44B collected on 02/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.11	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0014	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.53	1.00		µg/L	0	GE
		Endrin	<0.0063	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	101	1.00	J	µg/L	0	GE
		Heptachlor	<0.053	1.00		µg/L	0	GE
		Iron, total recoverable	188	1.00		µg/L	1	GE
	■	Lead, total recoverable	55	1.00		µg/L	2	GE
		Lindane	<0.0053	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	259	1.00		µg/L	0	GE
		Manganese, total recoverable	88	1.00		µg/L	2	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.53	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00	J3	µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44B collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Potassium, total recoverable	< 10,000	20.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	5,550	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	732	1.00		µg/L	0	GE
		Sodium, total recoverable	7,640	20.00		µg/L	0	GE
		Sulfate	9,660	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	131,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	18,100	1.00		µg/L	2	GE
		Total organic halogens	5.2	1.00	J	µg/L	0	GE
		Total phosphates (as P)	590	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00043	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	3.8E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	5.0E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1.00	J	pCi/L	0	GP
		Total activity	2.9E+05	1.00		pCi/L	0	EM
		Tritium	< 1.1E+02	1.00		pCi/mL	0	GP
		Uranium-233/234	1.3E+00	1.00	J	pCi/L	0	GP
		Uranium-235	< 1.8E-02	1.00		pCi/L	0	GP
		Uranium-238	7.8E-01	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76757.8 E57894.9	33.290001 °N 81.663452 °W	200.6-190.6 ft msl	285.6 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 64.65 ft (19.71 m) below TOC
Water elevation: 220.95 ft (67.35 m) msl
Sp. conductance: 176 µS/cm
Turbidity: 38.1 NTU
Water evacuated before sampling: 15 gal
The well went dry during purging.

Time: 12: 51
pH: 10.7
Alkalinity: 33 mg/L
Water temperature: 18.0 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.8	1.00	J1	pH	1	GE
		Specific conductance	138	1.00		µS/cm	0	GE
		Turbidity	17	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	585	1.00		µg/L	2	GE
		Aluminum, total recoverable	578	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	73	1.00		µg/L	0	GE
		Barium, total recoverable	73	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	15,800	1.00		µg/L	0	GE
		Calcium, total recoverable	15,800	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,040	1.00		µg/L	0	GE
		Chloride	2,140	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44C collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	408	1.00		µg/L	2	GE
		Iron, total recoverable	405	1.00		µg/L	2	GE
		Lead, total recoverable	11	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	71	1.00		µg/L	2	GE
		Lithium, total recoverable	71	1.00		µg/L	2	GE
		Magnesium, total recoverable	946	1.00		µg/L	0	GE
		Magnesium, total recoverable	952	1.00		µg/L	0	GE
		Manganese, total recoverable	294	1.00		µg/L	2	GE
		Manganese, total recoverable	293	1.00	J3	µg/L	2	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	550	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	4,990	1.00		µg/L	0	GE
		Potassium, total recoverable	5,030	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	9,200	1.00		µg/L	0	GE
		Silica, total recoverable	9,160	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	9,170	1.00		µg/L	0	GE
		Sodium, total recoverable	9,190	1.00		µg/L	0	GE
		Sulfate	2,030	1.00		µg/L	0	GE
		Sulfate	2,070	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	8.1	1.00		µg/L	0	GE
		Tin, total recoverable	3.6	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	83,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,610	1.00	J	µg/L	0	GE
		Total organic halogens	16	1.00		µg/L	0	GE
		Total phosphates (as P)	100	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44C collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	1.9	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.9E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.5E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.4E+00	1.00		pCi/L	0	GP
		Total activity	4.9E+05	1.00		pCi/L	0	EM
		Tritium	<3.2E+02	1.00		pCi/mL	0	GP
		Uranium-233/234	3.3E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<1.8E-01	1.00		pCi/L	0	GP
		Uranium-238	<1.8E-01	1.00		pCi/L	0	GP

WELL BGO 44D

<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>
N76759.5 E57910.0	33.290030 °N 81.663415 °W	233.4-223.4 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 53.00 ft (16.15 m) below TOC
Water elevation: 232.40 ft (70.84 m) msl
Sp. conductance: 25 µS/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 113 gal

Time: 13:01
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 19.2 °C
Volumes purged: 19.1 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.2	1.00	J1	pH	0	GE
		Specific conductance	21	1.00		µS/cm	0	GE
		Specific conductance	21	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<9.8	1.00		µg/L	0	GE
		Aldrin	<0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	29	1.00	J	µg/L	1	GE
		Aluminum, total recoverable	31	1.00	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	60	1.00		µg/L	0	GE
		Barium, total recoverable	60	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44D collected on 02/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	758	1.00		µg/L	0	GE
		Calcium, total recoverable	760	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,980	1.00		µg/L	0	GE
		Chloride	1,980	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	422	1.00		µg/L	0	GE
		Magnesium, total recoverable	421	1.00		µg/L	0	GE
		Manganese, total recoverable	11	1.00		µg/L	0	GE
		Manganese, total recoverable	11	1.00		µg/L	0	GE
		Mercury, total recoverable	0.25	1.00	J	µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Naphthalene	<9.8	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	760	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 44D collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,330	1.00		µg/L	0	GE
		Silica, total recoverable	7,350	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,420	1.00		µg/L	0	GE
		Sodium, total recoverable	1,430	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	14,000	1.00		µg/L	0	GE
		Total dissolved solids	18,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,270	1.00	J	µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	3.9E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.0E+00	1.00		pCi/L	0	GP
		Total activity	4.0E+05	1.00		pCi/L	0	EM
		Tritium	<3.8E+02	1.00		pCi/mL	0	GP
		Uranium-233/234	<7.7E-02	1.00		pCi/L	0	GP
		Uranium-235	<2.2E-02	1.00		pCi/L	0	GP
		Uranium-238	<1.1E-01	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75830.0 E54550.1	33.282492 °N 81.670457 °W	126.9-116.9 ft msl	278.9 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 02/24/94
Depth to water: 118.34 ft (36.07 m) below TOC
Water elevation: 160.56 ft (48.94 m) msl
Sp. conductance: 183 µS/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 145 gal

Time: 10: 27
pH: 8.0
Alkalinity: 6 mg/L
Water temperature: 18.0 °C
Volumes purged: 5.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.8	1.00	J1	pH	0	GE
		Specific conductance	175	1.00		µS/cm	0	GE
		Turbidity	0.38	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	< 20	1.00		µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	34	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	33,300	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,110	1.00		µg/L	0	GE
		Chloride	2,130	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45A collected on 02/24/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.51	1.00		µg/L	0	GE
		Endrin	< 0.0061	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.051	1.00		µg/L	0	GE
		Iron, total recoverable	16	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	463	1.00		µg/L	0	GE
		Manganese, total recoverable	< 2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.51	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	540	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	574	1.00	J	µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	18,100	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,980	1.00		µg/L	0	GE
		Sulfate	1,630	1.00	J	µg/L	0	GE
		Sulfate	1,640	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	113,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45A collected on 02/24/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00047	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	5.2E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	< 1.9E-02	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	< 4.0E-01	1.00		pCi/L	0	GP
		Tritium	< 3.8E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	8.3E-02	1.00	J	pCi/L	0	GP
		Uranium-235	< 9.6E-03	1.00		pCi/L	0	GP
		Uranium-238	< 3.0E-02	1.00		pCi/L	0	GP

WELL BGO 45B

<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>
N75840.3	33.282536 °N	147.0-137.0 ft msl	278.6 ft msl	4" PVC	S	McBean (IIB ₁)
E54563.6	81.670441 °W					

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 59.15 ft (18.03 m) below TOC
Water elevation: 219.45 ft (66.89 m) msl
Sp. conductance: 113 µS/cm
Turbidity: 1.6 NTU
Water evacuated before sampling: 44 gal
The well went dry during purging.

Time: 11: 55
pH: 10.6
Alkalinity: 26 mg/L
Water temperature: 17.3 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	11	1.00	J1	pH	2	GE
		Specific conductance	297	1.00		µS/cm	1	GE
		Turbidity	0.23	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	98	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	61	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45B collected on 01/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	16,200	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,000	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	4.9	1.00	J	µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	8.4	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	45	1.00		µg/L	1	GE
		Magnesium, total recoverable	257	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45B collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Manganese, total recoverable	< 2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.49	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	580	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	7,660	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	12,000	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	7,770	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	19	1.00		µg/L	1	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	113,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	1.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	7.2E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP
		Tritium	7.7E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	< 1.3E-02	1.00		pCi/L	0	GP
		Uranium-235	< 6.1E-02	1.00		pCi/L	0	GP
		Uranium-238	< 6.1E-02	1.00		pCi/L	0	GP

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WELL BGO 45C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75835.0 E54577.4	33.282547 °N 81.670395 °W	200.5-190.5 ft msl	278.6 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: 55.16 ft (16.81 m) below TOC
Water elevation: 223.44 ft (68.11 m) msl
Sp. conductance: 32 μ S/cm
Turbidity: 2.1 NTU
Water evacuated before sampling: 20 gal
The well went dry during purging.

Time: 11: 36
pH: 5.5
Alkalinity: 3 mg/L
Water temperature: 16.9 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1.00	J1	pH	0	GE
		Specific conductance	33	1.00		μ S/cm	0	GE
		Specific conductance	33	1.00		μ S/cm	0	GE
•		Turbidity	2.0	1.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.050	1.00		μ g/L	0	GE
		Aluminum, total recoverable	55	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	9.4	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	2,060	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,400	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	17	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45C collected on 01/27/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	31	1.00		µg/L	0	GE
		Lead, total recoverable	17	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	6.1	1.00	J	µg/L	0	GE
		Magnesium, total recoverable	551	1.00		µg/L	0	GE
		Manganese, total recoverable	16	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	780	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,160	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,010	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,680	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.5	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	29,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
•		Total organic halogens	8.9	1.00	J1	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	<1.7E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.5E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.9E+00	1.00	JV2	pCi/L	0	GP
		Total activity	7.7E+05	1.00		pCi/L	0	EM
■		Tritium	7.4E+02	1.00		pCi/mL	2	GP
		Uranium-232/234	6.3E-02	1.00	J	pCi/L	0	GP
		Uranium-235	<8.7E-03	1.00		pCi/L	0	GP
		Uranium-238	<5.4E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75854.3 E54585.6	33.282603 °N 81.670411 °W	229.6-209.6 ft msl	278.6 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/26/94
Depth to water: 50.81 ft (15.49 m) below TOC
Water elevation: 227.79 ft (69.43 m) msl
Sp. conductance: 26 µS/cm
Turbidity: 0.9 NTU
Water evacuated before sampling: 106 gal

Time: 16: 26
pH: 4.9
Alkalinity: 0 mg/L
Water temperature: 18.7 °C

Volumes purged: 8.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1.00	J1	pH	0	GE
		Specific conductance	23	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	27	1.00	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	8.3	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	840	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,990	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	11	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 45D collected on 01/26/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	7.3	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	597	1.00		µg/L	0	GE
		Manganese, total recoverable	6.7	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,030	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,420	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,880	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	24,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
•		Total organic halogens	<5.0	1.00	J1	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<3.9E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1.00	JV2	pCi/L	0	GP
■		Tritium	4.3E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	<-7.8E-03	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	<5.2E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B

<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>
N75012.1 E54444.7	33.280511 °N 81.669146 °W	150.4-140.4 ft msl	265.4 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/21/94
Depth to water: 47.59 ft (14.51 m) below TOC
Water elevation: 217.81 ft (66.39 m) msl
Sp. conductance: 59 µS/cm
Turbidity: 0.5 NTU
Water evacuated before sampling: 137 gal

Time: 11:55
pH: 6.4
Alkalinity: 18 mg/L
Water temperature: 19.7 °C

Volumes purged: 2.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.7	1.00	J1	pH	0	GE
•		pH	6.8	1.00	J1	pH	0	GE
		Specific conductance	57	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	3.3	1.00	J	µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	8,080	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,960	1.00		µg/L	0	GE
		Chloride	1,990	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
•		Cyanide	<5.0	1.00	J1	µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46B collected on 02/21/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.51	1.00		µg/L	0	GE
		Endrin	< 0.0061	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	169	1.00		µg/L	0	GE
		Heptachlor	< 0.051	1.00		µg/L	0	GE
		Iron, total recoverable	12	1.00		µg/L	0	GE
		Lead, total recoverable	11	1.00		µg/L	0	GE
		Lindane	< 0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	333	1.00		µg/L	0	GE
		Manganese, total recoverable	2.8	1.00	J	µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.51	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	560	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	668	1.00	J	µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	12,500	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,990	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	51,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	670	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	1.5	1.00	J	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	< 4.2E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1.00	J	pCi/L	0	GP
		Tritium	< 1.7E+01	1.00		pCi/mL	0	GP
		Uranium-233/234	7.9E-02	1.00	J	pCi/L	0	GP
		Uranium-235	< 5.1E-02	1.00		pCi/L	0	GP
		Uranium-238	< 1.2E-02	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75022.2 E54433.9	33.280515 °N 81.669194 °W	188.0-178.0 ft msl	265.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/22/94
Depth to water: 45.74 ft (13.94 m) below TOC
Water elevation: 219.36 ft (66.86 m) msl
Sp. conductance: 55 µS/cm
Turbidity: 98.9 NTU
Water evacuated before sampling: 23 gal
The well went dry during purging.

Time: 9: 33
pH: 6.2
Alkalinity: 12 mg/L
Water temperature: 18.0 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.4	1.00	J1	pH	0	GE
•		pH	6.4	1.00	J1	pH	0	GE
		Specific conductance	47	1.00		µS/cm	0	GE
		Turbidity	3.2	1.00		NTU	0	GE
		Turbidity	3.5	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	22	1.00	J	µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	6.6	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,320	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,310	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46C collected on 02/22/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	110	1.00		µg/L	0	GE
		Lead, total recoverable	4.0	1.00	J	µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	313	1.00		µg/L	0	GE
		Manganese, total recoverable	6.8	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	520	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,390	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,490	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	6,880	1.00		µg/L	0	GE
		Sulfate	2,810	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	4.2	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	37,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	16	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
	■	Trichloroethylene	24	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	4.3E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP
		Tritium	<9.2E+01	1.00		pCi/mL	0	GP
		Uranium-233/234	1.4E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<2.0E-02	1.00		pCi/L	0	GP
		Uranium-238	3.9E-01	1.00	J	pCi/L	0	GP

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WELL BGO 46D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75033.8 E54420.0	33.280518 °N 81.669253 °W	212.1-202.1 ft msl	265.1 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/21/94
Depth to water: 40.27 ft (12.27 m) below TOC
Water elevation: 224.83 ft (68.53 m) msl
Sp. conductance: 57 µS/cm
Turbidity: 0.5 NTU
Water evacuated before sampling: 266 gal

Time: 12:16
pH: 4.9
Alkalinity: 0 mg/L
Water temperature: 20.1 °C
Volumes purged: 17.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1.00	J1	pH	0	GE
		Specific conductance	56	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	28	1.00	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	7.1	1.00		µg/L	0	GE
		Benzene	<5.0	5.00		µg/L	0	GE
		Bromodichloromethane	<5.0	5.00		µg/L	0	GE
		Bromoform	<5.0	5.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<5.0	5.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	615	1.00		µg/L	0	GE
		Carbon tetrachloride	<5.0	5.00		µg/L	0	GE
		Chloride	10,800	1.00		µg/L	0	GE
		Chlorobenzene	<5.0	5.00		µg/L	0	GE
		Chloroethane	<5.0	5.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<5.0	5.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<5.0	5.00		µg/L	0	GE
		Chloroform	11	5.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<5.0	5.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		Dibromochloromethane	<5.0	5.00		µg/L	0	GE
		1,1-Dichloroethane	29	5.00		µg/L	2	GE
		1,2-Dichloroethane	<5.0	5.00		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	5.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	5.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	5.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<5.0	5.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	5.00		µg/L	0	GE

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WELL BGO 46D collected on 02/21/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,3-Dichloropropene	< 5.0	5.00		µg/L	0	GE
		Dieldrin	< 0.49	1.00		µg/L	0	GE
		Endrin	< 0.0059	1.00		µg/L	0	GE
		Ethylbenzene	< 5.0	5.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.049	1.00		µg/L	0	GE
		Iron, total recoverable	5.1	1.00	J	µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	428	1.00		µg/L	0	GE
		Manganese, total recoverable	17	1.00		µg/L	0	GE
		Mercury, total recoverable	0.71	1.00		µg/L	0	GE
		Methoxychlor	< 0.49	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	880	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	900	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,870	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	7,800	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 5.0	5.00		µg/L	0	GE
	■	Tetrachloroethylene	6.0	5.00	J	µg/L	2	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 5.0	5.00		µg/L	0	GE
		Total dissolved solids	37,000	1.00		µg/L	0	GE
		Total dissolved solids	41,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,930	1.00		µg/L	0	GE
		Total organic carbon	1,930	1.00		µg/L	0	GE
		Total organic halogens	191	10.00		µg/L	2	GE
	●	Total organic halogens	171	10.00	J1	µg/L	2	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0	5.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0	5.00		µg/L	0	GE
	■	Trichloroethylene	48	5.00		µg/L	2	GE
		Trichlorofluoromethane	< 5.0	5.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 10	5.00		µg/L	0	GE
		Gross alpha	2.7E+00	1.00	J	pCi/L	0	GP
		Gross alpha	1.8E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.3E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	< 7.6E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.4E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.7E+00	1.00		pCi/L	0	GP
		Tritium	< 3.3E+04	1.00		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 46D collected on 02/21/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tritium	<3.4E+04	1.00		pCi/mL	0	GP
		Uranium-233/234	3.7E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<1.1E-01	1.00		pCi/L	0	GP
		Uranium-238	1.2E+00	1.00	J	pCi/L	0	GP

WELL BGO 47A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74728.8 E54914.0	33.280650 °N 81.667360 °W	96.8-86.8 ft msl	266.9 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 02/25/94
Depth to water: 104.74 ft (31.93 m) below TOC
Water elevation: 162.16 ft (49.43 m) msl
Sp. conductance: 163 µS/cm
Turbidity: 3.0 NTU
Water evacuated before sampling: 464 gal

Time: 10:49
pH: 7.4
Alkalinity: 5 mg/L
Water temperature: 18.7 °C

Volumes purged: 9.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.3	1.00	J1	pH	0	GE
•		pH	7.4	1.00	J1	pH	0	GE
		Specific conductance	148	1.00		µS/cm	0	GE
•		Turbidity	2.1	1.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
•		Aldrin	<0.050	1.00	J1	µg/L	0	GE
		Aluminum, total recoverable	87	1.00		µg/L	2	GE
		Aluminum, total recoverable	88	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	3.7	1.00		µg/L	0	GE
		Barium, total recoverable	42	1.00		µg/L	0	GE
		Barium, total recoverable	42	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	25,300	1.00		µg/L	0	GE
		Calcium, total recoverable	25,300	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,820	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	1.3	1.00	J	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE

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WELL BGO 47A collected on 02/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
•		p,p'-DDT	< 0.10	1.00	J1	µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
•		Dieldrin	< 0.50	1.00	J1	µg/L	0	GE
•		Endrin	< 0.0060	1.00	J1	µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	143	1.00	J	µg/L	0	GE
•		Heptachlor	< 0.050	1.00	J1	µg/L	0	GE
		Iron, total recoverable	51	1.00		µg/L	0	GE
		Iron, total recoverable	53	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
•		Lindane	< 0.0050	1.00	J1	µg/L	0	GE
		Lithium, total recoverable	11	1.00		µg/L	0	GE
		Lithium, total recoverable	11	1.00		µg/L	0	GE
		Magnesium, total recoverable	618	1.00		µg/L	0	GE
		Magnesium, total recoverable	616	1.00		µg/L	0	GE
		Manganese, total recoverable	41	1.00		µg/L	1	GE
		Manganese, total recoverable	41	1.00		µg/L	1	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
•		Methoxychlor	< 0.50	1.00	J1	µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	< 50	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,810	1.00		µg/L	0	GE
		Potassium, total recoverable	1,810	1.00		µg/L	0	GE
		Selenium, total recoverable	2.2	1.00	J	µg/L	0	GE
		Silica, total recoverable	22,800	1.00		µg/L	0	GE
		Silica, total recoverable	22,800	1.00	J3	µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,130	1.00		µg/L	0	GE
		Sodium, total recoverable	3,110	1.00		µg/L	0	GE
		Sulfate	6,100	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.6	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	104,000	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47A collected on 02/25/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	5.5	1.00	J	µg/L	0	GE
		Total phosphates (as P)	330	1.00		µg/L	0	GE
•		Toxaphene	<0.24	1.00	J1	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	8.8E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<7.3E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
		Tritium	<7.3E-01	1.00		pCi/mL	0	GP
		Uranium-233/234	3.8E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	5.0E-01	1.00	J	pCi/L	0	GP

WELL BGO 47C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74752.0	33.280733 °N	188.6-178.6 ft msl	267.6 ft msl	4" PVC	S	Barnwell (IIB,)
E54933.4	81.667354 °W					

FIELD MEASUREMENTS

Sample date: 02/21/94
Depth to water: 45.08 ft (13.74 m) below TOC
Water elevation: 222.52 ft (67.82 m) msl
Sp. conductance: 35 µS/cm
Turbidity: 0.3 NTU
Water evacuated before sampling: 152 gal

Time: 9: 58
pH: 5.7
Alkalinity: 4 mg/L
Water temperature: 20.2 °C
Volumes purged: 5.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1.00	J1	pH	0	GE
		Specific conductance	36	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<9.7	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Aluminum, total recoverable	21	1.00	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	8.8	1.00		µg/L	0	GE
		Barium, total recoverable	8.9	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47C collected on 02/21/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	2,740	1.00		µg/L	0	GE
		Calcium, total recoverable	2,750	1.00	J3	µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,030	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.099	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	635	1.00		µg/L	0	GE
		Magnesium, total recoverable	633	1.00		µg/L	0	GE
		Manganese, total recoverable	7.7	1.00		µg/L	0	GE
		Manganese, total recoverable	7.7	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<9.7	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,310	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	604	1.00	J	µg/L	0	GE
		Potassium, total recoverable	694	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47C collected on 02/21/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Silica, total recoverable	9,200	1.00		µg/L	0	GE
		Silica, total recoverable	9,350	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,860	1.00		µg/L	0	GE
		Sodium, total recoverable	1,860	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	34,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	39	1.00		µg/L	1	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 9.7	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	3.0	1.00		µg/L	1	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	< 2.1E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	< 1.5E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP
		Tritium	< 3.8E+02	1.00		pCi/mL	0	GP
		Uranium-233/234	8.8E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	2.1E+00	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74739.7 E54922.9	33.280689 °N 81.667357 °W	213.4-203.4 ft msl	267.4 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/21/94
Depth to water: 41.68 ft (12.70 m) below TOC
Water elevation: 225.72 ft (68.80 m) msl
Sp. conductance: 41 µS/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 122 gal

Time: 9: 27
pH: 5.3
Alkalinity: 1 mg/L
Water temperature: 20.0 °C

Volumes purged: 8.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	38	1.00		µS/cm	0	GE
		Specific conductance	38	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<9.6	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	24	1.00	J	µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	14	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	2,190	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,660	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	2.5	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.097	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0014	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 47D collected on 02/21/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0058	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	7.6	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	814	1.00		µg/L	0	GE
		Manganese, total recoverable	11	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Naphthalene	<9.6	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,920	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	547	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,550	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,850	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.3	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	37,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	7.4	1.00	J	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.23	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00043	1.00		µg/L	0	GE
		Tributyl phosphate	<9.6	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
	■	Trichloroethylene	13	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	6.9E-01	1.00	J	pCi/L	0	GP
		Gross alpha	6.2E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<-2.8E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	<-1.6E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	2.1E+00	1.00		pCi/L	0	GP
		Tritium	<1.7E+03	1.00		pCi/mL	0	GP
		Uranium-233/234	2.0E-01	1.00	J	pCi/L	0	GP
		Uranium-235	2.8E-01	1.00	J	pCi/L	0	GP
		Uranium-238	2.8E-01	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 48C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74599.6 E55124.4	33.280708 °N 81.666555 °W	186.7-176.7 ft msl	276.6 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/21/94
Depth to water: 53.64 ft (16.35 m) below TOC
Water elevation: 222.96 ft (67.96 m) msl
Sp. conductance: 35 μ S/cm
Turbidity: 0.8 NTU
Water evacuated before sampling: 199 gal

Time: 10: 40
pH: 5.4
Alkalinity: 1 mg/L
Water temperature: 20.1 °C
Volumes purged: 6.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1.00	J1	pH	0	GE
		Specific conductance	33	1.00		μ S/cm	0	GE
		Turbidity	0.13	1.00	J	NTU	0	GE
		Acetophenone	< 10	1.00		μ g/L	0	GE
		Aldrin	< 0.051	1.00		μ g/L	0	GE
		Aldrin	< 0.051	1.00		μ g/L	0	GE
		Aluminum, total recoverable	22	1.00	J	μ g/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	11	1.00		μ g/L	0	GE
		Benzene	< 1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	< 1.0	1.00		μ g/L	0	GE
		Bromoform	< 1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	1,660	1.00		μ g/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		μ g/L	0	GE
		Chloride	2,210	1.00		μ g/L	0	GE
		Chlorobenzene	< 1.0	1.00		μ g/L	0	GE
		Chloroethane	< 1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		μ g/L	0	GE
		Chloroform	< 1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	< 4.0	1.00		μ g/L	0	GE
		Cyanide	< 5.0	1.00		μ g/L	0	GE
		p,p'-DDT	< 0.10	1.00		μ g/L	0	GE
		p,p'-DDT	< 0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	< 1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0017	1.00		μ g/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 48C collected on 02/21/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	13	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	642	1.00		µg/L	0	GE
		Manganese, total recoverable	9.7	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,900	2.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,020	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,520	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	1.9	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	33,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	43	1.00		µg/L	1	GE
		Total organic halogens	43	1.00		µg/L	1	GE
		Total organic halogens	39	1.00		µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00050	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	3.9	1.00		µg/L	1	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.9E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.0E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	<1.0E-01	1.00		pCi/L	0	GP
		Tritium	<3.1E+03	1.00		pCi/mL	0	GP
		Uranium-233/234	2.6E+00	1.00		pCi/L	0	GP
		Uranium-235	2.3E-01	1.00	J	pCi/L	0	GP
		Uranium-238	2.2E+00	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 48D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74586.4 E55121.0	33.280673 °N 81.666538 °W	212.0-202.0 ft msl	276.9 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/21/94
Depth to water: 50.73 ft (15.46 m) below TOC
Water elevation: 226.17 ft (68.94 m) msl
Sp. conductance: 57 μ S/cm
Turbidity: 1.6 NTU
Water evacuated before sampling: 277 gal

Time: 11: 00
pH: 4.7
Alkalinity: 0 mg/L
Water temperature: 20.5 °C

Volumes purged: 17.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	4.8	1.00	J1	pH	0	GE
•		pH	4.9	1.00	J1	pH	0	GE
		Specific conductance	52	1.00		μ S/cm	0	GE
		Turbidity	0.70	1.00		NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.050	1.00	J3	μ g/L	0	GE
		Aluminum, total recoverable	119	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	72	1.00		μ g/L	0	GE
		Benzene	<5.0	5.00		μ g/L	0	GE
		Bromodichloromethane	<5.0	5.00		μ g/L	0	GE
		Bromoform	<5.0	5.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<5.0	5.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	739	1.00		μ g/L	0	GE
		Carbon tetrachloride	<5.0	5.00		μ g/L	0	GE
		Chloride	5,540	1.00		μ g/L	0	GE
		Chloride	5,620	1.00		μ g/L	0	GE
		Chlorobenzene	<5.0	5.00		μ g/L	0	GE
		Chloroethane	<5.0	5.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<5.0	5.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<5.0	5.00		μ g/L	0	GE
		Chloroform	<5.0	5.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<5.0	5.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00	J3	μ g/L	0	GE
		Dibromochloromethane	<5.0	5.00		μ g/L	0	GE
		1,1-Dichloroethane	<5.0	5.00		μ g/L	0	GE
		1,2-Dichloroethane	<5.0	5.00		μ g/L	0	GE
		1,1-Dichloroethylene	<5.0	5.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	5.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	5.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<5.0	5.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<5.0	5.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<5.0	5.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 48D collected on 02/21/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.50	1.00	J3	µg/L	0	GE
		Endrin	<0.0060	1.00	J3	µg/L	0	GE
		Ethylbenzene	<5.0	5.00		µg/L	0	GE
		Fluoride	419	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00	J3	µg/L	0	GE
		Iron, total recoverable	6.7	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00	J3	µg/L	0	GE
		Lithium, total recoverable	<5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	937	1.00		µg/L	0	GE
		Manganese, total recoverable	9.5	1.00		µg/L	0	GE
		Mercury, total recoverable	0.73	1.00		µg/L	0	GE
		Mercury, total recoverable	0.77	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00	J3	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,520	2.00		µg/L	0	GE
		Phenols	8.7	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,160	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	5,100	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00	J3	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	5.00		µg/L	0	GE
	■	Tetrachloroethylene	68	5.00		µg/L	2	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<5.0	5.00		µg/L	0	GE
		Total dissolved solids	38,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,070	1.00	J	µg/L	0	GE
		Total organic halogens	144	1.00		µg/L	2	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	5.00		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	5.00		µg/L	0	GE
	■	Trichloroethylene	36	5.00		µg/L	2	GE
		Trichlorofluoromethane	<5.0	5.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<10	5.00		µg/L	0	GE
		Gross alpha	1.2E+01	1.00		pCi/L	1	GP
		Nonvolatile beta	8.3E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	5.7E+00	1.00		pCi/L	0	GP
		Tritium	<7.6E+04	1.00		pCi/mL	0	GP
		Uranium-233/234	2.9E+00	1.00		pCi/L	0	GP
		Uranium-235	<5.5E-02	1.00		pCi/L	0	GP
		Uranium-238	2.9E+00	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73902.8 E56205.1	33.280930 °N 81.662356 °W	85.1-75.1 ft msl	271.2 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/27/94
Depth to water: Not available
Water elevation: Not available
Sp. conductance: 210 μ S/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 189 gal

Time: 13: 59
pH: 10.7
Alkalinity: 85 mg/L
Water temperature: 18.8 °C

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	10	1.00	J1	pH	2	GE
		Specific conductance	127	1.00		μ S/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<9.6	1.00		μ g/L	0	GE
		Aldrin	<0.050	1.00		μ g/L	0	GE
		Aluminum, total recoverable	501	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	45	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	36,700	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,230	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.099	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		Dieldrin	<0.50	1.00		μ g/L	0	GE
		Endrin	<0.0059	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49A collected on 01/27/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	5.9	1.00	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	51	1.00		µg/L	2	GE
		Magnesium, total recoverable	505	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<9.6	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	6,060	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	19,200	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,970	1.00		µg/L	0	GE
		Sulfate	2,530	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	13	1.00		µg/L	1	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	117,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	14	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	<9.6	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	4.0E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1.00	J	pCi/L	0	GP
		Tritium	6.0E-01	1.00	J	pCi/mL	0	GP
		Uranium-233/234	1.7E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<5.4E-03	1.00		pCi/L	0	GP
		Uranium-238	<2.5E-02	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73917.2 E56202.2	33.280957 °N 81.662391 °W	176.0-166.0 ft msl	271.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/31/94	Time: 9: 55
Depth to water: 43.74 ft (13.33 m) below TOC	pH: 7.6
Water elevation: 227.36 ft (69.30 m) msl	Alkalinity: 22 mg/L
Sp. conductance: 69 µS/cm	Water temperature: 18.0 °C
Turbidity: 0.3 NTU	
Water evacuated before sampling: 157 gal	Volumes purged: 3.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.1	1.00	J1	pH	0	GE
•		pH	7.2	1.00	J1	pH	0	GE
•		pH	6.1	1.00	J	pH	0	WA
•		pH	6.2	1.00	J	pH	0	WA
•		pH	6.4	1.00	J	pH	0	WA
		Specific conductance	65	1.00		µS/cm	0	GE
		Specific conductance	65	1.00		µS/cm	0	GE
		Specific conductance	56	1.00		µS/cm	0	WA
		Specific conductance	55	1.00		µS/cm	0	WA
		Turbidity	<0.10	1.00		NTU	0	GE
		Turbidity	0.31	1.00		NTU	0	GE
•		Turbidity	0.25	1.00	J	NTU	0	WA
•		Turbidity	<0.20	1.00	J	NTU	0	WA
		Acetophenone	<9.8	1.00		µg/L	0	GE
		Acetophenone	<9.6	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	WA
		Acetophenone	<10	1.00		µg/L	0	WA
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	21	1.00	J	µg/L	0	GE
		Aluminum, total recoverable	22	1.00	J	µg/L	0	GE
		Aluminum, total recoverable	24	1.00	J	µg/L	0	GE
		Aluminum, total recoverable	26	1.00	J	µg/L	1	GE
		Aluminum, total recoverable	20	1.00		µg/L	0	WA
		Aluminum, total recoverable	24	1.00		µg/L	0	WA
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Barium, total recoverable	35	1.00		µg/L	0	GE
		Barium, total recoverable	35	1.00		µg/L	0	GE
		Barium, total recoverable	35	1.00		µg/L	0	GE
		Barium, total recoverable	35	1.00		µg/L	0	GE
		Barium, total recoverable	33	1.00		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49C collected on 01/31/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	32	1.00		µg/L	0	WA
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 5.0	1.00		µg/L	0	WA
		Benzene	< 5.0	1.00		µg/L	0	WA
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 5.0	1.00		µg/L	0	WA
		Bromodichloromethane	< 5.0	1.00		µg/L	0	WA
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 5.0	1.00		µg/L	0	WA
		Bromoform	< 5.0	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 10	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10	1.00		µg/L	0	WA
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	WA
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	WA
		Calcium, total recoverable	6,270	1.00		µg/L	0	GE
		Calcium, total recoverable	6,290	1.00		µg/L	0	GE
		Calcium, total recoverable	6,520	1.00		µg/L	0	GE
		Calcium, total recoverable	6,570	1.00		µg/L	0	GE
		Calcium, total recoverable	6,320	1.00		µg/L	0	WA
		Calcium, total recoverable	6,340	1.00		µg/L	0	WA
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 5.0	1.00		µg/L	0	WA
		Carbon tetrachloride	< 5.0	1.00		µg/L	0	WA
		Chloride	2,460	1.00		µg/L	0	GE
		Chloride	2,420	1.00		µg/L	0	GE
		Chloride	2,720	1.00		µg/L	0	WA
		Chloride	2,720	1.00		µg/L	0	WA
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 5.0	1.00		µg/L	0	WA
		Chlorobenzene	< 5.0	1.00		µg/L	0	WA
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 10	1.00		µg/L	0	WA
		Chloroethane	< 10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	< 10	1.00		µg/L	0	WA
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 5.0	1.00		µg/L	0	WA

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WELL BGO 49C collected on 01/31/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroform	< 5.0	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 10	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10	1.00		µg/L	0	WA
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	7.3	1.00		µg/L	0	WA
		Chromium, total recoverable	7.4	1.00		µg/L	0	WA
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	WA
		Copper, total recoverable	< 4.0	1.00		µg/L	0	WA
		Cyanide	< 5.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	WA
		Cyanide	< 5.0	1.00		µg/L	0	WA
		p,p'-DDT	< 0.098	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		p,p'-DDT	< 0.097	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		Dibromochloromethane	< 5.0	1.00		µg/L	0	WA
		Dibromochloromethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.9	1.00	J	µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 1.7	1.00	J	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 1.1	1.10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1	1.09		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 2.2	2.17		µg/L	0	WA
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 5.0	1.00		µg/L	0	WA

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WELL BGO 49C collected on 01/31/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	< 5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		Dieldrin	< 0.49	1.00		µg/L	0	GE
		Dieldrin	< 0.51	1.00		µg/L	0	GE
		Dieldrin	< 0.49	1.00		µg/L	0	GE
		Endrin	< 0.0059	1.00		µg/L	0	GE
		Endrin	< 0.0061	1.00		µg/L	0	GE
		Endrin	< 0.0058	1.00		µg/L	0	GE
		Endrin	< 0.11	1.11		µg/L	0	WA
		Endrin	< 0.22	2.17		µg/L	0	WA
		Endrin	< 0.11	1.12		µg/L	0	WA
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 5.0	1.00		µg/L	0	WA
		Ethylbenzene	< 5.0	1.00		µg/L	0	WA
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	WA
		Fluoride	< 100	1.00		µg/L	0	WA
		Heptachlor	< 0.049	1.00		µg/L	0	GE
		Heptachlor	< 0.051	1.00		µg/L	0	GE
		Heptachlor	< 0.049	1.00		µg/L	0	GE
		Iron, total recoverable	< 4.0	1.00		µg/L	0	GE
		Iron, total recoverable	< 4.0	1.00		µg/L	0	GE
		Iron, total recoverable	< 4.0	1.00		µg/L	0	GE
		Iron, total recoverable	< 4.0	1.00		µg/L	0	GE
		Iron, total recoverable	19	1.00		µg/L	0	WA
		Iron, total recoverable	16	1.00		µg/L	0	WA
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	WA
		Lead, total recoverable	< 3.0	1.00		µg/L	0	WA
		Lindane	< 0.0049	1.00		µg/L	0	GE
		Lindane	< 0.0051	1.00		µg/L	0	GE
		Lindane	< 0.0049	1.00		µg/L	0	GE
		Lindane	< 0.056	1.11		µg/L	0	WA
		Lindane	< 0.11	2.17		µg/L	0	WA
		Lindane	< 0.056	1.12		µg/L	0	WA
		Lithium, total recoverable	13	1.00		µg/L	0	GE
		Lithium, total recoverable	13	1.00		µg/L	0	GE
		Lithium, total recoverable	13	1.00		µg/L	0	GE
		Lithium, total recoverable	13	1.00		µg/L	0	GE
		Lithium, total recoverable	8.2	1.00		µg/L	0	WA
		Lithium, total recoverable	12	1.00		µg/L	0	WA
		Magnesium, total recoverable	398	1.00		µg/L	0	GE
		Magnesium, total recoverable	400	1.00		µg/L	0	GE
		Magnesium, total recoverable	403	1.00		µg/L	0	GE
		Magnesium, total recoverable	404	1.00		µg/L	0	GE
		Magnesium, total recoverable	387	1.00		µg/L	0	WA

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WELL BGO 49C collected on 01/31/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Magnesium, total recoverable	388	1.00		µg/L	0	WA
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	WA
		Manganese, total recoverable	<2.0	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Methoxychlor	<0.56	1.11		µg/L	0	WA
		Methoxychlor	<1.1	2.17		µg/L	0	WA
		Methoxychlor	<1.1	2.17		µg/L	0	WA
		Methoxychlor	<0.56	1.12		µg/L	0	WA
		Naphthalene	<9.8	1.00		µg/L	0	GE
		Naphthalene	<9.6	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	WA
		Nickel, total recoverable	<4.0	1.00		µg/L	0	WA
		Nitrate as nitrogen	578	1.00		µg/L	0	WA
		Nitrate as nitrogen	568	1.00		µg/L	0	WA
		Nitrate-nitrite as nitrogen	770	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	440	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	WA
		Phenols	<5.0	1.00		µg/L	0	WA
		Potassium, total recoverable	3,280	1.00		µg/L	0	GE
		Potassium, total recoverable	3,330	1.00		µg/L	0	GE
		Potassium, total recoverable	3,370	1.00		µg/L	0	GE
		Potassium, total recoverable	3,430	1.00		µg/L	0	GE
		Potassium, total recoverable	3,080	1.00		µg/L	0	WA
		Potassium, total recoverable	2,990	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Silica, total recoverable	9,660	1.00		µg/L	0	GE
		Silica, total recoverable	9,680	1.00		µg/L	0	GE
		Silica, total recoverable	9,690	1.00		µg/L	0	GE
		Silica, total recoverable	9,740	1.00		µg/L	0	GE
		Silica, total recoverable	9,300	2.10		µg/L	0	WA
		Silica, total recoverable	9,340	2.10		µg/L	0	WA
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA

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WELL BGO 49C collected on 01/31/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA
		Sodium, total recoverable	4,640	1.00		µg/L	0	GE
		Sodium, total recoverable	4,640	1.00		µg/L	0	GE
		Sodium, total recoverable	4,700	1.00		µg/L	0	GE
		Sodium, total recoverable	4,710	1.00		µg/L	0	GE
		Sodium, total recoverable	4,160	1.00		µg/L	0	WA
		Sodium, total recoverable	4,060	1.00		µg/L	0	WA
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	1,400	1.00		µg/L	0	WA
		Sulfate	1,380	1.00		µg/L	0	WA
		Sulfate	1,380	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	<5.0	1.00		µg/L	0	WA
		Tin, total recoverable	6.5	1.00		µg/L	0	GE
		Tin, total recoverable	13	1.00		µg/L	1	GE
		Tin, total recoverable	5.0	1.00		µg/L	0	GE
		Tin, total recoverable	8.6	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<5.0	1.00		µg/L	0	WA
		Toluene	<5.0	1.00		µg/L	0	WA
		Total dissolved solids	50,000	1.00	JV2	µg/L	0	GE
		Total dissolved solids	52,000	1.00	JV2	µg/L	0	GE
		Total dissolved solids	40,000	1.00		µg/L	0	WA
		Total dissolved solids	39,000	1.00		µg/L	0	WA
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	WA
		Total organic carbon	<1,000	1.00		µg/L	0	WA
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	WA
		Total organic halogens	<5.0	1.00		µg/L	0	WA
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	86	1.00		µg/L	0	WA
		Total phosphates (as P)	95	1.00		µg/L	0	WA
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		Toxaphene	<0.23	1.00		µg/L	0	GE
		Toxaphene	<1.1	1.11		µg/L	0	WA
		Toxaphene	<2.2	2.17		µg/L	0	WA
		Toxaphene	<2.2	2.17		µg/L	0	WA
		Toxaphene	<1.1	1.12		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.55	1.10		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09		µg/L	0	WA

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49C collected on 01/31/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2,4,5-TP (Silvex)	< 1.1	2.17		µg/L	0	WA
		Tributyl phosphate	< 9.8	1.00		µg/L	0	GE
		Tributyl phosphate	< 9.6	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 5.0	1.00		µg/L	0	WA
		Trichloroethylene	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 5.0	1.00		µg/L	0	WA
		Xylenes	< 5.0	1.00		µg/L	0	WA
		Gross alpha	< 4.8E-01	1.00		pCi/L	0	GP
		Gross alpha	< 4.9E-01	1.00		pCi/L	0	GP
		Gross alpha	2.5E+00	1.00		pCi/L	0	TM
		Gross alpha	1.0E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	2.8E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.8E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.0E+01	1.00		pCi/L	0	TM
		Nonvolatile beta	4.9E+00	1.00		pCi/L	0	TM
		Radium-226	7.3E-01	1.00		pCi/L	0	TM
		Radium-226	2.5E-01	1.00		pCi/L	0	TM
		Radium-228	< 1.3E-01	1.00		pCi/L	0	TM
		Radium-228	< 1.3E-01	1.00		pCi/L	0	TM
		Radium, total alpha-emitting	1.0E+00	1.00	JV2	pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1.00	JV2	pCi/L	0	GP
■		Tritium	2.3E+01	1.00		pCi/mL	2	GP
■		Tritium	2.3E+01	1.00		pCi/mL	2	GP
■		Tritium	2.5E+01	1.00		pCi/mL	2	TM
■		Tritium	2.4E+01	1.00		pCi/mL	2	TM
		Uranium-233/234	2.9E-02	1.00		pCi/L	0	CN
		Uranium-233/234	1.0E-01	1.00		pCi/L	0	CN
		Uranium-233/234	< 8.4E-03	1.00		pCi/L	0	GP
		Uranium-233/234	< 0.0E+00	1.00		pCi/L	0	GP
		Uranium-235	5.4E-02	1.00		pCi/L	0	CN
		Uranium-235	6.3E-02	1.00		pCi/L	0	CN
		Uranium-235	< 5.4E-03	1.00		pCi/L	0	GP
		Uranium-235	< 4.7E-02	1.00		pCi/L	0	GP
		Uranium-238	5.1E-02	1.00		pCi/L	0	CN

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49C collected on 01/31/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-238	1.5E-01	1.00		pCi/L	0	CN
		Uranium-238	<3.0E-02	1.00		pCi/L	0	GP
		Uranium-238	<4.6E-02	1.00		pCi/L	0	GP

WELL BGO 49D

<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>
N73931.5 E56198.8	33.280983 °N 81.662428 °W	238.5-218.5 ft msl	271.5 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/28/94
Depth to water: 38.44 ft (11.72 m) below TOC
Water elevation: 233.06 ft (71.04 m) msl
Sp. conductance: 29 µS/cm
Turbidity: 161 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 9: 11
pH: 5.1
Alkalinity: 1 mg/L
Water temperature: 17.0 °C

Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	28	1.00		µS/cm	0	GE
•		Turbidity	8.9	1.00	J1	NTU	0	GE
		Acetophenone	<9.5	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00	J3	µg/L	0	GE
		Aluminum, total recoverable	473	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	6.3	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	450	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,570	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE

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WELL BGO 49D collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00	J3	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00	J3	µg/L	0	GE
		Endrin	<0.0059	1.00	J3	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00	J3	µg/L	0	GE
		Iron, total recoverable	221	1.00		µg/L	1	GE
		Lead, total recoverable	7.0	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00	J3	µg/L	0	GE
		Lithium, total recoverable	5.6	1.00	J	µg/L	0	GE
		Magnesium, total recoverable	340	1.00		µg/L	0	GE
		Manganese, total recoverable	3.7	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00	J3	µg/L	0	GE
		Naphthalene	<9.5	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,950	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,860	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,520	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.7	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 49D collected on 01/28/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	23,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,920	1.00		µg/L	0	GE
		Total organic halogens	14	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00044	1.00		µg/L	0	GE
		Tributyl phosphate	< 9.5	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	5.3E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	< 3.9E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1.00	J	pCi/L	0	GP
■		Tritium	2.1E+01	1.00		pCi/mL	2	GP
■		Tritium	2.1E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 5.4E-02	1.00		pCi/L	0	GP
		Uranium-235	< 7.5E-02	1.00		pCi/L	0	GP
		Uranium-238	< 7.5E-02	1.00		pCi/L	0	GP

WELL BGO 50A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75201.2	33.280497 °N	100.5-90.5 ft msl	255.4 ft msl	4" PVC	S	U. Congaree (IIA)
E54179.8	81.670210 °W					

FIELD MEASUREMENTS

Sample date: 02/22/94
Depth to water: 95.51 ft (29.11 m) below TOC
Water elevation: 159.89 ft (48.74 m) msl
Sp. conductance: 2350 µS/cm
Turbidity: 7.0 NTU
Water evacuated before sampling: 36 gal
The well went dry during purging.

Time: 9: 57
pH: 12.2
Alkalinity: 264 mg/L
Water temperature: 18.0 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	12	1.00	J1	pH	2	GE
		Specific conductance	950	1.00		µS/cm	2	GE
		Turbidity	1.3	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	641	1.00		µg/L	2	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50A collected on 02/22/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	2.2	1.00	J	µg/L	0	GE
		Arsenic, total recoverable	3.3	1.00	J	µg/L	0	GE
		Barium, total recoverable	351	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	89,200	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	11,200	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	59	1.00		µg/L	1	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	8.5	1.00		µg/L	0	GE
		Copper, total recoverable	8.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.099	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	153	1.00		µg/L	1	GE
		Lead, total recoverable	19	1.00		µg/L	0	GE
		Lead, total recoverable	21	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lithium, total recoverable	343	1.00		µg/L	2	GE
		Magnesium, total recoverable	78	1.00		µg/L	0	GE
		Manganese, total recoverable	3.7	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	230	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	210	1.00	J3	µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	19,100	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	15,100	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50A collected on 02/22/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	38,300	1.00		µg/L	0	GE
		Sulfate	3,160	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	36	1.00		µg/L	2	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	268,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	2,890	1.00		µg/L	0	GE
		Total organic halogens	179	1.00		µg/L	2	GE
		Total phosphates (as P)	60	1.00	J	µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	8.5	1.00	J	µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	2.7E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.3E+01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	2.5E+00	1.00		pCi/L	0	GP
		Tritium	< 7.3E-01	1.00		pCi/mL	0	GP
		Tritium	< 5.9E-01	1.00		pCi/mL	0	GP
		Uranium-233/234	1.1E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 5.8E-03	1.00		pCi/L	0	GP
		Uranium-238	1.4E-01	1.00	J	pCi/L	0	GP

WELL BGO 50C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75190.4	33.280501 °N	172.5-162.5 ft msl	255.5 ft msl	4" PVC	S	Barnwell (IIB ₁)
E54197.0	81.670144 °W					

FIELD MEASUREMENTS

Sample date: 02/22/94
Depth to water: 37.05 ft (11.29 m) below TOC
Water elevation: 218.45 ft (66.58 m) msl
Sp. conductance: 36 µS/cm
Turbidity: 27.1 NTU
Water evacuated before sampling: 32 gal
The well went dry during purging.

Time: 9: 48
pH: 5.2
Alkalinity: 4 mg/L
Water temperature: 17.9 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1.00	J1	pH	0	GE
		Specific conductance	26	1.00		µS/cm	0	GE
		Turbidity	34	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	228	1.00		µg/L	2	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50C collected on 02/22/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	8.5	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,370	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,310	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.52	1.00		µg/L	0	GE
		Endrin	< 0.0062	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.052	1.00		µg/L	0	GE
		Iron, total recoverable	438	1.00		µg/L	2	GE
		Lead, total recoverable	9.6	1.00		µg/L	0	GE
		Lindane	< 0.0052	1.00		µg/L	0	GE
		Lithium, total recoverable	< 5.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	369	1.00		µg/L	0	GE
		Manganese, total recoverable	43	1.00		µg/L	1	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.52	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	280	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	689	1.00	J	µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	10,200	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,790	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50C collected on 02/22/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	27,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,860	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	140	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		Tributyl phosphate	< 10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	2.2	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	9.1E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
		Tritium	< 9.9E+01	1.00		pCi/mL	0	GP
		Uranium-233/234	< 6.9E-02	1.00		pCi/L	0	GP
		Uranium-235	< 4.8E-03	1.00		pCi/L	0	GP
		Uranium-238	< 4.5E-02	1.00		pCi/L	0	GP

WELL BGO 50D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75181.3 E54209.1	33.280501 °N 81.670095 °W	228.0-208.0 ft msl	256 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/21/94
Depth to water: 31.23 ft (9.52 m) below TOC
Water elevation: 224.77 ft (68.51 m) msl
Sp. conductance: 63 µS/cm
Turbidity: 1.0 NTU
Water evacuated before sampling: 50 gal

Time: 13: 12
pH: 6.1
Alkalinity: 18 mg/L
Water temperature: 20.0 °C

Volumes purged: 4.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.2	1.00	J1	pH	0	GE
		Specific conductance	64	1.00		µS/cm	0	GE
		Turbidity	0.54	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	81	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	11	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50D collected on 02/21/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	9,020	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,930	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	5.5	1.00		µg/L	1	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.52	1.00		µg/L	0	GE
		Endrin	< 0.0062	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.052	1.00		µg/L	0	GE
		Iron, total recoverable	10.0	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0052	1.00		µg/L	0	GE
		Lithium, total recoverable	5.5	1.00	J	µg/L	0	GE
		Magnesium, total recoverable	412	1.00		µg/L	0	GE
		Manganese, total recoverable	3.7	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.52	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	770	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	531	1.00	J	µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,060	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,370	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	50,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,690	1.00		µg/L	0	GE
•		Total organic halogens	169	2.00	J1	µg/L	2	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGO 50D collected on 02/21/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		Tributyl phosphate	<10	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
	■	Trichloroethylene	12	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	3.6E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	3.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1.00	J	pCi/L	0	GP
		Tritium	<4.0E+03	1.00		pCi/mL	0	GP
		Uranium-233/234	2.1E+00	1.00		pCi/L	0	GP
		Uranium-235	2.1E-01	1.00	J	pCi/L	0	GP
		Uranium-238	4.2E+00	1.00		pCi/L	0	GP

WELL BGX 1C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76820.0 E58599.8	33.291289 °N 81.661716 °W	186.0-176.0 ft msl	291.3 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 75.65 ft (23.06 m) below TOC
Water elevation: 215.65 ft (65.73 m) msl
Sp. conductance: 2930 µS/cm
Turbidity: 5.0 NTU
Water evacuated before sampling: 13 gal
The well went dry during purging.

Time: 13:55
pH: 12.2
Alkalinity: 644 mg/L
Water temperature: 18.2 °C

Volumes purged: 0.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	12	1.00	J1	pH	2	GE
		Specific conductance	1,800	1.00		µS/cm	2	GE
		Turbidity	3.8	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00	J3	µg/L	0	GE
		Aluminum, total recoverable	741	5.00		µg/L	2	GE
		Antimony, total recoverable	2.7	1.00	J	µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	223	5.00		µg/L	0	GE
		Benzene	<1.0	1.00	Y	µg/L	0	GE
		Bromodichloromethane	<1.0	1.00	Y	µg/L	0	GE
		Bromoform	<1.0	1.00	Y	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00	Y	µg/L	0	GE
		Cadmium, total recoverable	<10	5.00		µg/L	0	GE
		Calcium, total recoverable	146,000	5.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00	Y	µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 1C collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloride	827	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00	Y	µg/L	0	GE
		Chloroethane	<1.0	1.00	Y	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00	Y	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00	Y	µg/L	0	GE
		Chloroform	<1.0	1.00	Y	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00	Y	µg/L	0	GE
		Chromium, total recoverable	<20	5.00		µg/L	0	GE
		Copper, total recoverable	<20	5.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00	J3	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00	Y	µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00	Y	µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00	Y	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00	Y	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00	Y	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00	Y	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00	Y	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00	Y	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00	Y	µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00	J3	µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00	J3	µg/L	0	GE
		Ethylbenzene	<1.0	1.00	Y	µg/L	0	GE
		Fluoride	118	1.00	J	µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00	J3	µg/L	0	GE
		Iron, total recoverable	25	5.00	J	µg/L	0	GE
		Lead, total recoverable	21	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00	J3	µg/L	0	GE
		Magnesium, total recoverable	300	5.00		µg/L	0	GE
		Manganese, total recoverable	<10	5.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00	J3	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<20	5.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	270	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	10,100	5.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,050	5.00		µg/L	0	GE
		Silver, total recoverable	<10	5.00		µg/L	0	GE
		Sodium, total recoverable	7,360	5.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00	Y	µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00	Y	µg/L	0	GE
		Tin, total recoverable	<10	5.00		µg/L	0	GE
		Toluene	<1.0	1.00	Y	µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 1C collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total dissolved solids	430,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	5.4	1.00	J	µg/L	0	GE
		Total phosphates (as P)	100	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00	Y	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00	Y	µg/L	0	GE
		Trichloroethylene	<1.0	1.00	Y	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00	Y	µg/L	0	GE
		Vanadium, total recoverable	<40	5.00		µg/L	0	GE
		Xylenes	<2.0	1.00	Y	µg/L	0	GE
		Gross alpha	7.0E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	1.7E+01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	2.1E+00	1.00		pCi/L	0	GP
■		Tritium	1.5E+03	1.00		pCi/mL	2	GP

WELL BGX 1D

<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>
N76809.5	33.291280 °N	234.7-214.7 ft msl	291.3 ft msl	4" PVC	S	Water Table (IIB ₂)
E58608.6	81.661673 °W					

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 61.62 ft (18.78 m) below TOC
Water elevation: 229.68 ft (70.01 m) msl
Sp. conductance: 131 µS/cm
Turbidity: 42.6 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 14: 06
pH: 5.9
Alkalinity: 21 mg/L
Water temperature: 18.5 °C
Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.5	1.00	J1	pH	0	GE
		Specific conductance	70	1.00		µS/cm	0	GE
		Turbidity	44	2.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	385	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	32	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	5,390	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 1D collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloride	3,080	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	275	1.00		µg/L	1	GE
		Lead, total recoverable	15	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Magnesium, total recoverable	794	1.00		µg/L	0	GE
		Manganese, total recoverable	46	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,010	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	2,720	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,620	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,850	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	42,000	1.00		µg/L	0	GE
		Total dissolved solids	40,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,260	1.00	J	µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	90	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 1D collected on C2/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.8E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1.00	J	pCi/L	0	GP
		Total activity	3.4E+05	1.00		pCi/L	0	EM
		Tritium	<3.0E+02	1.00		pCi/mL	0	GP

WELL BGX 2B

<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>
N77203.4 E58256.5	33.291577 °N 81.663365 °W	147.2-137.2 ft msl	291.3 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 78.78 ft (24.01 m) below TOC
Water elevation: 212.52 ft (64.78 m) msl
Sp. conductance: 272 µS/cm
Turbidity: 213 NTU
Water evacuated before sampling: 49 gal
The well went dry during purging.

Time: 13: 28
pH: 7.3
Alkalinity: 102 mg/L
Water temperature: 17.8 °C

Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.8	1.00	J1	pH	0	GE
		Specific conductance	232	1.00		µS/cm	0	GE
		Turbidity	4.6	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.053	1.00		µg/L	0	GE
		Aluminum, total recoverable	197	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	159	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	91,300	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,530	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE

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WELL BGX 2B collected on 02/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.11	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.53	1.00		µg/L	0	GE
		Endrin	<0.0063	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.053	1.00		µg/L	0	GE
		Iron, total recoverable	273	1.00		µg/L	1	GE
		Lead, total recoverable	16	1.00		µg/L	0	GE
		Lindane	<0.0053	1.00		µg/L	0	GE
		Magnesium, total recoverable	782	1.00		µg/L	0	GE
		Manganese, total recoverable	32	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.53	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	430	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	827	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	26,200	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,710	1.00		µg/L	0	GE
		Sulfate	2,920	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	158,000	1.00		µg/L	0	GE
		Total organic carbon	3,100	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	1.2	1.00	J	µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	<4.9E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1.00	J	pCi/L	0	GP
		Tritium	<3.1E+00	1.00		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77192.4 E58265.6	33.291567 °N 81.663320 °W	191.1-181.1 ft msl	291.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 76.00 ft (23.17 m) below TOC
Water elevation: 215.10 ft (65.56 m) msl
Sp. conductance: 37 µS/cm
Turbidity: 4.6 NTU
Water evacuated before sampling: 19 gal
The well went dry during purging.

Time: 13:37
pH: 5.3
Alkalinity: 3 mg/L
Water temperature: 18.1 °C

Volumes purged: 0.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1.00	J1	pH	0	GE
		Specific conductance	31	1.00		µS/cm	0	GE
		Turbidity	1.5	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	63	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	5.3	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	2,490	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,040	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	14	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 2D collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	49	1.00		µg/L	0	GE
		Lead, total recoverable	4.3	1.00	J	µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	419	1.00		µg/L	0	GE
		Manganese, total recoverable	11	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,460	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,400	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,840	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	17,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	9.5	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
	■	Trichloroethylene	13	1.00		µg/L	2	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	<1.2E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1.00	J	pCi/L	0	GP
		Tritium	<8.4E+01	1.00		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77577.0 E57780.1	33.291626 °N 81.665346 °W	221.6-201.6 ft msl	291.2 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/31/94
Depth to water: 76.25 ft (23.24 m) below TOC
Water elevation: 214.95 ft (65.52 m) msl
Sp. conductance: 29 µS/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 38 gal

Time: 13: 04
pH: 5.7
Alkalinity: 2 mg/L
Water temperature: 17.7 °C

Volumes purged: 4.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1.00	J1	pH	0	GE
		Specific conductance	27	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<11	1.00		µg/L	0	GE
		Aldrin	<0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	10	1.00		µg/L	0	GE
		Benzene	<10	10.00		µg/L	0	GE
		Bromodichloromethane	<10	10.00		µg/L	0	GE
		Bromoform	<10	10.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	10.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,100	1.00		µg/L	0	GE
		Carbon tetrachloride	<10	10.00		µg/L	0	GE
		Chloride	2,070	1.00		µg/L	0	GE
		Chlorobenzene	<10	10.00		µg/L	0	GE
		Chloroethane	<10	10.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	10.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	10.00		µg/L	0	GE
		Chloroform	<10	10.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	10.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	15	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<10	10.00		µg/L	0	GE
		1,1-Dichloroethane	<10	10.00		µg/L	0	GE
		1,2-Dichloroethane	<10	10.00		µg/L	0	GE
		1,1-Dichloroethylene	<10	10.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<10	10.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<10	10.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<10	10.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<10	10.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<10	10.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 3D collected on 01/31/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE
		Ethylbenzene	<10	10.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	16	1.00		µg/L	0	GE
		Lead, total recoverable	4.3	1.00	J	µg/L	0	GE
		Lead, total recoverable	4.7	1.00	J3	µg/L	0	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Magnesium, total recoverable	614	1.00		µg/L	0	GE
		Manganese, total recoverable	13	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Naphthalene	<11	1.00		µg/L	0	GE
		Nickel, total recoverable	4.2	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	800	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	820	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,160	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV3	µg/L	0	GE
		Silica, total recoverable	7,700	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,140	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<10	10.00		µg/L	0	GE
		Tetrachloroethylene	<10	10.00		µg/L	0	GE
		Tin, total recoverable	2.3	1.00	J	µg/L	0	GE
		Toluene	<10	10.00		µg/L	0	GE
		Total dissolved solids	28,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	35	1.00		µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<10	10.00		µg/L	0	GE
		1,1,2-Trichloroethane	<10	10.00		µg/L	0	GE
■		Trichloroethylene	36	10.00		µg/L	2	GE
		Trichlorofluoromethane	<10	10.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<20	10.00		µg/L	0	GE
		Gross alpha	<1.1E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.3E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1.00	JV2	pCi/L	0	GP
		Total activity	1.3E+06	10.00		pCi/L	0	EM
■		Tritium	1.3E+03	1.00		pCi/mL	2	GP

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WELL BGX 4A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N77879.2 E57215.6	33.291373 °N 81.667419 °W	116.8-106.8 ft msl	290.9 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/31/94
Depth to water: 135.96 ft (41.44 m) below TOC
Water elevation: 154.94 ft (47.23 m) msl
Sp. conductance: 273 μ S/cm
Turbidity: 1.3 NTU
Water evacuated before sampling: 91 gal

Time: 12:38
pH: 7.8
Alkalinity: 11 mg/L
Water temperature: 19.0 °C

Volumes purged: 2.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	7.6	1.00	J1	pH	0	GE
•		pH	7.7	1.00	J1	pH	0	GE
		Specific conductance	278	1.00		μ S/cm	1	GE
		Turbidity	0.14	1.00	J	NTU	0	GE
		Acetophenone	<10	1.00		μ g/L	0	GE
		Aldrin	<0.052	1.00		μ g/L	0	GE
		Aluminum, total recoverable	21	1.00	J	μ g/L	0	GE
		Antimony, total recoverable	<4.0	2.00		μ g/L	0	GE
		Antimony, total recoverable	<4.0	2.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	45	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	52,700	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,570	1.00		μ g/L	0	GE
		Chloride	2,590	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE

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WELL BGX 4A collected on 01/31/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	31	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,340	1.00		µg/L	0	GE
		Manganese, total recoverable	9.4	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	5.7	1.00	J	µg/L	0	GE
		Phenols	6.3	1.00	J	µg/L	0	GE
		Potassium, total recoverable	2,300	1.00		µg/L	0	GE
		Selenium, total recoverable	<4.0	2.00		µg/L	0	GE
		Selenium, total recoverable	<4.0	2.00	J3	µg/L	0	GE
		Silica, total recoverable	37,400	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,120	1.00		µg/L	0	GE
		Sulfate	8,320	1.00		µg/L	0	GE
		Sulfate	8,320	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	6.1	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	193,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,110	1.00	J	µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	9.1E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	6.0E-01	1.00	JV2	pCi/L	0	GP
		Tritium	<5.7E-02	1.00		pCi/mL	0	GP

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WELL BGX 4C

<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>
N77886.2 E57202.2	33.291367 °N 81.667468 °W	180.7-170.7 ft msl	290.8 ft msl	4" PVC	S	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 76.10 ft (23.20 m) below TOC
Water elevation: 214.70 ft (65.44 m) msl
Sp. conductance: 72 µS/cm
Turbidity: 0.8 NTU
Water evacuated before sampling: 110 gal

Time: 14: 51
pH: 6.4
Alkalinity: 23 mg/L
Water temperature: 18.4 °C
Volumes purged: 3.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.6	1.00	J1	pH	0	GE
•		pH	6.6	1.00	J1	pH	0	GE
•		pH	6.3	1.00	J	pH	0	WA
•		pH	6.4	1.00	J	pH	0	WA
		Specific conductance	70	1.00		µS/cm	0	GE
		Specific conductance	71	1.00		µS/cm	0	GE
		Specific conductance	70	1.00		µS/cm	0	GE
		Specific conductance	84	1.00		µS/cm	0	WA
		Specific conductance	84	1.00		µS/cm	0	WA
		Turbidity	<0.10	1.00		NTU	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
•		Turbidity	<0.20	1.00	J	NTU	0	WA
•		Turbidity	0.44	1.00	J	NTU	0	WA
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<11	1.10		µg/L	0	WA
		Acetophenone	<11	1.10		µg/L	0	WA
		Acetophenone	<11	1.10		µg/L	0	WA
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.052	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	WA
		Aluminum, total recoverable	<20	1.00		µg/L	0	WA
		Aluminum, total recoverable	<20	1.00		µg/L	0	WA
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Barium, total recoverable	6.2	1.00		µg/L	0	GE
		Barium, total recoverable	6.4	1.00		µg/L	0	GE
		Barium, total recoverable	6.8	1.00		µg/L	0	WA

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4C collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Barium, total recoverable	6.5	1.00		µg/L	0	WA
		Barium, total recoverable	7.0	1.00		µg/L	0	WA
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Benzene	< 5.0	1.00		µg/L	0	WA
		Benzene	< 5.0	1.00		µg/L	0	WA
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 5.0	1.00		µg/L	0	WA
		Bromodichloromethane	< 5.0	1.00		µg/L	0	WA
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 5.0	1.00		µg/L	0	WA
		Bromoform	< 5.0	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 10	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10	1.00		µg/L	0	WA
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	WA
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	WA
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	WA
		Calcium, total recoverable	9,150	1.00		µg/L	0	GE
		Calcium, total recoverable	9,410	1.00		µg/L	0	GE
		Calcium, total recoverable	9,850	1.00		µg/L	0	WA
		Calcium, total recoverable	9,900	1.00		µg/L	0	WA
		Calcium, total recoverable	10,600	1.00		µg/L	0	WA
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	< 5.0	1.00		µg/L	0	WA
		Carbon tetrachloride	< 5.0	1.00		µg/L	0	WA
		Chloride	2,320	1.00		µg/L	0	GE
		Chloride	2,310	1.00		µg/L	0	GE
		Chloride	2,350	1.00		µg/L	0	GE
		Chloride	2,440	1.00		µg/L	0	WA
		Chloride	2,490	1.00		µg/L	0	WA
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chlorobenzene	< 5.0	1.00		µg/L	0	WA
		Chlorobenzene	< 5.0	1.00		µg/L	0	WA
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 10	1.00		µg/L	0	WA
		Chloroethane	< 10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	< 10	1.00		µg/L	0	WA
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 5.0	1.00		µg/L	0	WA

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WELL BGX 4C collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroform	< 5.0	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 10	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10	1.00		µg/L	0	WA
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	WA
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	WA
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	WA
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	WA
		Copper, total recoverable	< 4.0	1.00		µg/L	0	WA
		Copper, total recoverable	< 4.0	1.00		µg/L	0	WA
		Cyanide	< 5.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	WA
		Cyanide	< 5.0	1.00		µg/L	0	WA
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		Dibromochloromethane	< 5.0	1.00		µg/L	0	WA
		Dibromochloromethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloroethylene	< 5.0	1.00		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 60	1.00	V	µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 30	1.00	V	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0016	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 1.1	1.10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1	1.08		µg/L	0	WA
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 5.0	1.00		µg/L	0	WA
		1,2-Dichloropropane	< 5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE

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WELL BGX 4C collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Dieldrin	<0.52	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Endrin	<0.0062	1.00		µg/L	0	GE
		Endrin	<0.11	1.08		µg/L	0	WA
		Endrin	<0.22	2.22		µg/L	0	WA
		Endrin	<0.11	1.09		µg/L	0	WA
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<5.0	1.00		µg/L	0	WA
		Ethylbenzene	<5.0	1.00		µg/L	0	WA
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	WA
		Fluoride	<100	1.00		µg/L	0	WA
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Heptachlor	<0.052	1.00		µg/L	0	GE
		Iron, total recoverable	7.8	1.00		µg/L	0	GE
		Iron, total recoverable	5.6	1.00	J	µg/L	0	GE
		Iron, total recoverable	12	1.00	J3	µg/L	0	WA
		Iron, total recoverable	17	1.00	3	µg/L	0	WA
		Iron, total recoverable	9.7	1.00		µg/L	0	WA
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	WA
		Lead, total recoverable	<3.0	1.00		µg/L	0	WA
		Lead, total recoverable	<3.0	1.00		µg/L	0	WA
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lindane	<0.0052	1.00		µg/L	0	GE
		Lindane	<0.054	1.08		µg/L	0	WA
		Lindane	<0.11	2.22		µg/L	0	WA
		Lindane	<0.055	1.09		µg/L	0	WA
		Magnesium, total recoverable	583	1.00		µg/L	0	GE
		Magnesium, total recoverable	592	1.00		µg/L	0	GE
		Magnesium, total recoverable	563	1.00		µg/L	0	WA
		Magnesium, total recoverable	563	1.00		µg/L	0	WA
		Magnesium, total recoverable	597	1.00		µg/L	0	WA
		Manganese, total recoverable	2.4	1.00	J	µg/L	0	GE
		Manganese, total recoverable	2.9	1.00	J	µg/L	0	GE
		Manganese, total recoverable	3.3	1.00		µg/L	0	WA
		Manganese, total recoverable	3.1	1.00		µg/L	0	WA
		Manganese, total recoverable	3.1	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA
		Mercury, total recoverable	<0.20	1.00		µg/L	0	WA

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WELL BGX 4C collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Methoxychlor	<0.52	1.00		µg/L	0	GE
		Methoxychlor	<0.54	1.08		µg/L	0	WA
		Methoxychlor	<1.1	2.22		µg/L	0	WA
		Methoxychlor	<1.1	2.22		µg/L	0	WA
		Methoxychlor	<0.55	1.09		µg/L	0	WA
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	WA
		Nickel, total recoverable	<4.0	1.00		µg/L	0	WA
		Nickel, total recoverable	<4.0	1.00		µg/L	0	WA
		Nitrate as nitrogen	914	2.00		µg/L	0	WA
		Nitrate as nitrogen	946	2.00		µg/L	0	WA
		Nitrate-nitrite as nitrogen	730	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	730	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	WA
		Phenols	<5.0	1.00		µg/L	0	WA
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	WA
		Potassium, total recoverable	<500	1.00		µg/L	0	WA
		Potassium, total recoverable	<500	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Silica, total recoverable	10,400	1.00		µg/L	0	GE
		Silica, total recoverable	10,500	1.00		µg/L	0	GE
		Silica, total recoverable	10,800	2.10	J3	µg/L	0	WA
		Silica, total recoverable	10,900	2.10	J3	µg/L	0	WA
		Silica, total recoverable	11,100	2.10		µg/L	0	WA
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA
		Sodium, total recoverable	2,830	1.00		µg/L	0	GE
		Sodium, total recoverable	2,910	1.00		µg/L	0	GE
		Sodium, total recoverable	2,770	1.00		µg/L	0	WA
		Sodium, total recoverable	2,730	1.00		µg/L	0	WA
		Sodium, total recoverable	2,850	1.00		µg/L	0	WA
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	WA
		Sulfate	<1,000	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1.00		µg/L	0	WA

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WELL BGX 4C collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	< 5.0	1.00		µg/L	0	WA
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Tin, total recoverable	31	1.00		µg/L	2	GE
		Tin, total recoverable	< 17	1.00		µg/L	0	WA
		Tin, total recoverable	< 17	1.00		µg/L	0	WA
		Tin, total recoverable	< 17	1.00		µg/L	0	WA
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 5.0	1.00		µg/L	0	WA
		Toluene	< 5.0	1.00		µg/L	0	WA
		Total dissolved solids	46,000	1.00		µg/L	0	GE
		Total dissolved solids	45,000	1.00		µg/L	0	GE
		Total dissolved solids	41,000	1.00		µg/L	0	WA
		Total dissolved solids	41,000	1.00		µg/L	0	WA
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	WA
		Total organic carbon	< 1,000	1.00		µg/L	0	WA
•		Total organic halogens	31	1.00	J1	µg/L	1	GE
•		Total organic halogens	9.7	1.00	J1	µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	WA
		Total organic halogens	< 5.0	1.00		µg/L	0	WA
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Total phosphates (as P)	60	1.00	J	µg/L	0	GE
		Total phosphates (as P)	101	1.00		µg/L	0	WA
		Total phosphates (as P)	110	1.00		µg/L	0	WA
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE
		Toxaphene	< 1.1	1.08		µg/L	0	WA
		Toxaphene	< 2.2	2.22		µg/L	0	WA
		Toxaphene	< 2.2	2.22		µg/L	0	WA
		Toxaphene	< 1.1	1.09		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00048	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.55	1.10		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54	1.08		µg/L	0	WA
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0	1.00		µg/L	0	WA
		Trichloroethylene	2.7	1.00		µg/L	1	GE
		Trichloroethylene	2.5	1.00		µg/L	1	GE
		Trichloroethylene	2.9	1.00	J	µg/L	1	WA
		Trichloroethylene	3.0	1.00	J	µg/L	1	WA
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	< 5.0	1.00		µg/L	0	WA

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WELL BGX 4C collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	< 3.0	1.00		µg/L	0	WA
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 5.0	1.00		µg/L	0	WA
		Xylenes	< 5.0	1.00		µg/L	0	WA
		Gross alpha	< -3.9E-02	1.00		pCi/L	0	GP
		Gross alpha	4.4E-01	1.00	J	pCi/L	0	GP
		Gross alpha	< 4.0E-01	1.00		pCi/L	0	TM
		Gross alpha	6.0E-01	1.00		pCi/L	0	TM
		Gross alpha	5.0E-01	1.00		pCi/L	0	TM
		Nonvolatile beta	< 4.1E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.1E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	2.5E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	4.6E+00	1.00		pCi/L	0	TM
		Radium-226	2.0E-01	1.00		pCi/L	0	TM
		Radium-226	3.0E-01	1.00		pCi/L	0	TM
		Radium-226	3.9E-01	1.00		pCi/L	0	TM
		Radium-228	< 1.3E-01	1.00		pCi/L	0	TM
		Radium-228	1.0E+00	1.00		pCi/L	0	TM
		Radium-228	< 1.3E-01	1.00		pCi/L	0	TM
		Radium, total alpha-emitting	8.0E-01	1.00	JV2	pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1.00	JV2	pCi/L	0	GP
		Tritium	3.1E+00	1.00		pCi/mL	0	GP
		Tritium	3.4E+00	1.00		pCi/mL	0	GP
		Tritium	3.5E+00	1.00		pCi/mL	0	TM
		Tritium	3.3E+00	1.00		pCi/mL	0	TM
		Tritium	3.2E+00	1.00		pCi/mL	0	TM

WELL BGX 4D

<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>
N77893.9	33.291358 °N	223.8-203.8 ft msl	290.9 ft msl	4" PVC	S	Barnwell (IIB ₁)
E57186.2	81.667525 °W					

FIELD MEASUREMENTS

Sample date: 01/31/94
Depth to water: 75.00 ft (22.86 m) below TOC
Water elevation: 215.90 ft (65.81 m) msl
Sp. conductance: 34 µS/cm
Turbidity: 0.4 NTU
Water evacuated before sampling: 53 gal

Time: 12: 16
pH: 5.9
Alkalinity: 4 mg/L
Water temperature: 17.6 °C

Volumes purged: 6.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.4	1.00	J1	pH	0	GE
		Specific conductance	33	1.00		µS/cm	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4D collected on 01/31/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.054	1.00		µg/L	0	GE
		Aluminum, total recoverable	40	1.00		µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	7.6	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	2,790	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,460	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.11	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 4D collected on 01/31/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.54	1.00		µg/L	0	GE
		Endrin	<0.0064	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	C	GE
		Heptachlor	<0.054	1.00		µg/L	0	GE
		Iron, total recoverable	62	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0054	1.00		µg/L	0	GE
		Magnesium, total recoverable	481	1.00		µg/L	0	GE
		Manganese, total recoverable	12	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.54	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	900	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,110	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,500	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	26,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.26	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	5.1E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<5.8E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1.00	JV2	pCi/L	0	GP
		Tritium	8.4E+00	1.00		pCi/mL	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N78402.0 E57308.6	33.292681 °N 81.668190 °W	215.0-195.0 ft msl	285 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/31/94
Depth to water: 76.10 ft (23.20 m) below TOC
Water elevation: 208.90 ft (63.67 m) msl
Sp. conductance: 56 μ S/cm
Turbidity: 1.1 NTU
Water evacuated before sampling: 31 gal

Time: 11:45
pH: 5.5
Alkalinity: 1 mg/L
Water temperature: 18.3 °C
Volumes purged: 3.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.9	1.00	J1	pH	0	GE
		Specific conductance	57	1.00		μ S/cm	0	GE
		Turbidity	1.0	1.00		NTU	0	GE
		Acetophenone	<9.7	1.00		μ g/L	0	GE
		Aldrin	<0.048	1.00		μ g/L	0	GE
		Aluminum, total recoverable	92	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	24	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	2,050	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	4,050	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.095	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		Dieldrin	<0.48	1.00		μ g/L	0	GE
		Endrin	<0.0057	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 5D collected on 01/31/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.048	1.00		µg/L	0	GE
		Iron, total recoverable	55	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0048	1.00		µg/L	0	GE
		Magnesium, total recoverable	1,070	1.00		µg/L	0	GE
		Manganese, total recoverable	346	1.00		µg/L	2	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.48	1.00		µg/L	0	GE
		Naphthalene	<9.7	1.00		µg/L	0	GE
		Nickel, total recoverable	7.2	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,100	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,130	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,530	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7.160	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,590	1.00		µg/L	0	GE
		Sulfate	7,100	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.7	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	41,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	11	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.23	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00044	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	2.6	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	4.2E+00	1.00		pCi/L	0	GP
■		Nonvolatile beta	1.5E+02	1.00		pCi/L	2	GP
		Radium, total alpha-emitting	3.0E+00	1.00	JV2	pCi/L	0	GP
■		Tritium	7.1E+01	1.00		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N78740.1 E57524.9	33.293782 °N 81.668277 °W	211.0-191.0 ft msl	277 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/07/94
Depth to water: 71.58 ft (21.82 m) below TOC
Water elevation: 205.42 ft (62.61 m) msl
Sp. conductance: 69 µS/cm
Turbidity: 0.8 NTU
Water evacuated before sampling: 60 gal

Time: 9: 31
pH: 6.4
Alkalinity: 16 mg/L
Water temperature: 18.4 °C
Volumes purged: 6.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.8	1.00	J1	pH	0	GE
		Specific conductance	66	1.00		µS/cm	0	GE
		Turbidity	0.36	1.00		NTU	0	GE
		Acetophenone	<9.9	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	38	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	8,730	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,590	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 6D collected on 02/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	143	1.00	J	µg/L	0	GE
		Fluoride	150	1.00	J	µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	108	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	505	1.00		µg/L	0	GE
		Manganese, total recoverable	25	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<9.9	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	750	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	663	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	9,320	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,280	1.00		µg/L	0	GE
		Sulfate	1,500	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.9	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 6D collected on 02/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total dissolved solids	47,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	1,070	1.00	J	µg/L	0	GE
		Total organic halogens	31	1.00		µg/L	1	GE
		Total phosphates (as P)	630	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	1.2	1.00	J	µg/L	0	GE
		Trichlorofluoromethane	1.4	1.00	J	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	<4.5E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	<4.3E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1.00	J	pCi/L	0	GP
		Tritium	3.6E+00	1.00		pCi/mL	0	GP

WELL BGX 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N78349.3	33.294203 °N	214.1-194.1 ft msl	279.2 ft msl	4" PVC	S	Barnwell (IIB ₁)
E58312.8	81.665443 °W					

FIELD MEASUREMENTS

Sample date: 02/07/94
Depth to water: 73.95 ft (22.54 m) below TOC
Water elevation: 205.25 ft (62.56 m) msl
Sp. conductance: 21 µS/cm
Turbidity: 0.5 NTU
Water evacuated before sampling: 42 gal

Time: 9: 59
pH: 5.1
Alkalinity: 0 mg/L
Water temperature: 18.3 °C

Volumes purged: 5.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.3	1.00	J1	pH	0	GE
		Specific conductance	20	1.00		µS/cm	0	GE
		Turbidity	<0.10	1.00		NTU	0	GE
		Acetophenone	<9.9	1.00		µg/L	0	GE
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	26	1.00	J	µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	7.2	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 7D collected on 02/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	497	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	1,870	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.51	1.00		µg/L	0	GE
		Endrin	< 0.0061	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.051	1.00		µg/L	0	GE
		Iron, total recoverable	18	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0051	1.00		µg/L	0	GE
		Magnesium, total recoverable	372	1.00		µg/L	0	GE
		Manganese, total recoverable	11	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.51	1.00		µg/L	0	GE
		Naphthalene	< 9.9	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	550	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,560	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,550	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.4	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	15,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.25	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 7D collected on 02/07/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.0E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1.00	J	pCi/L	0	GP
		Tritium	<1.1E+03	1.00		pCi/mL	0	GP

WELL BGX 8DR

<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>
N77589.6	33.293550 °N	203.1-183.1 ft msl	278.2 ft msl	4" PVC	S	Barnwell (IIB ₁)
E58942.5	81.662309 °W					

FIELD MEASUREMENTS

Sample date: 02/07/94
Depth to water: 73.63 ft (22.44 m) below TOC
Water elevation: 204.57 ft (62.35 m) msl
Sp. conductance: 44 µS/cm
Turbidity: 0.8 NTU
Water evacuated before sampling: 50 gal

Time: 10:32
pH: 6.0
Alkalinity: 7 mg/L
Water temperature: 18.8 °C

Volumes purged: 3.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.2	1.00	J1	pH	0	GE
		Specific conductance	55	1.00		µS/cm	0	GE
		Turbidity	0.66	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	84	1.00		µg/L	2	GE
		Aluminum, total recoverable	84	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	125	1.00		µg/L	0	GE
		Barium, total recoverable	125	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	37,700	1.00		µg/L	0	GE
		Calcium, total recoverable	37,700	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,330	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 8DR collected on 02/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	29	1.00		µg/L	0	GE
		Iron, total recoverable	29	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	700	1.00		µg/L	0	GE
		Magnesium, total recoverable	702	1.00		µg/L	0	GE
		Manganese, total recoverable	35	1.00		µg/L	1	GE
		Manganese, total recoverable	35	1.00		µg/L	1	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,240	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,280	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Potassium, total recoverable	< 500	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	8,370	1.00	J3	µg/L	0	GE
		Silica, total recoverable	8,370	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 8DR collected on 02/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sodium, total recoverable	2,020	1.00		µg/L	0	GE
		Sodium, total recoverable	2,020	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	25,000	1.00		µg/L	0	GE
		Total organic carbon	1,040	1.00	J	µg/L	0	GE
•		Total organic halogens	<5.0	1.00	J1	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	2.2	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.0E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<-3.9E-02	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.2E+00	1.00	J	pCi/L	0	GP
		Total activity	1.0E+06	1.00		pCi/L	0	EM
		Tritium	<9.3E+02	1.00		pCi/mL	0	GP

WELL BGX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76936.0	33.293050 °N	232.4-212.4 ft msl	279.4 ft msl	4" PVC	S	Water Table (IIB ₂)
E59522.1	81.659513 °W					

FIELD MEASUREMENTS

Sample date: 02/07/94
Depth to water: 52.99 ft (16.15 m) below TOC
Water elevation: 226.41 ft (69.01 m) msl
Sp. conductance: 26 µS/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 80 gal

Time: 10: 55
pH: 5.0
Alkalinity: 0 mg/L
Water temperature: 18.6 °C
Volumes purged: 8.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.4	1.00	J1	pH	0	GE
		Specific conductance	25	1.00		µS/cm	0	GE
		Turbidity	1.5	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	53	1.00		µg/L	2	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 9D collected on 02/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	5.5	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	921	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,870	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	9.5	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Magnesium, total recoverable	459	1.00		µg/L	0	GE
		Manganese, total recoverable	3.6	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,310	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	5,840	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,010	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 9D collected on 02/07/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	14,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	2.1E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.7E+00	1.00		pCi/L	0	GP
		Tritium	9.1E+00	1.00		pCi/mL	0	GP

WELL BGX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N76183.3	33.291783 °N	236.2-216.2 ft msl	276.9 ft msl	4" PVC	S	Water Table (IIB ₂)
E59765.5	81.657410 °W					

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 51.34 ft (15.65 m) below TOC
Water elevation: 225.56 ft (68.75 m) msl
Sp. conductance: 29 µS/cm
Turbidity: 20.1 NTU
Water evacuated before sampling: 2 gal
The well went dry during purging.

Time: 10:34
pH: 5.7
Alkalinity: 3 mg/L
Water temperature: 16.5 °C

Volumes purged: 0.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1.00	J1	pH	0	GE
		Specific conductance	29	1.00		µS/cm	0	GE
		Specific conductance	30	1.00		µS/cm	0	GE
•		Turbidity	56	2.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	179	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	12	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 10D collected on 02/04/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Calcium, total recoverable	950	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,700	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	37	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	405	1.00		µg/L	2	GE
		Lead, total recoverable	50	1.00		µg/L	1	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Magnesium, total recoverable	745	1.00		µg/L	0	GE
		Manganese, total recoverable	64	1.00		µg/L	2	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	5.1	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,500	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,810	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,030	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	36,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	7.2	1.00	J	µg/L	0	GE
		Total organic halogens	7.6	1.00	J	µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 10D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	1.4E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.0E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.8E+00	1.00		pCi/L	0	GP
		Tritium	8.7E+00	1.00		pCi/mL	0	GP

WELL BGX 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N75300.7 E59581.4	33.289530 °N 81.656180 °W	236.7-216.7 ft msl	276.3 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 41.51 ft (12.65 m) below TOC
Water elevation: 234.79 ft (71.56 m) msl
Sp. conductance: 49 µS/cm
Turbidity: 57.1 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 10: 57
pH: 5.6
Alkalinity: 6 mg/L
Water temperature: 15.5 °C

Volumes purged: 0.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.8	1.00	J1	pH	0	GE
		Specific conductance	41	1.00		µS/cm	0	GE
•		Turbidity	334	20.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00	J3	µg/L	0	GE
		Aluminum, total recoverable	538	1.00		µg/L	2	GE
		Aluminum, total recoverable	539	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	12	1.00		µg/L	0	GE
		Barium, total recoverable	12	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	2,790	1.00		µg/L	0	GE
		Calcium, total recoverable	2,790	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	3,190	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 11D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	4.1	1.00	J	µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00	J3	µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00	J3	µg/L	0	GE
		Endrin	<0.0060	1.00	J3	µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00	J3	µg/L	0	GE
		Iron, total recoverable	234	1.00		µg/L	1	GE
		Iron, total recoverable	234	1.00		µg/L	1	GE
		Lead, total recoverable	8.9	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00	J3	µg/L	0	GE
		Magnesium, total recoverable	700	1.00		µg/L	0	GE
		Magnesium, total recoverable	706	1.00		µg/L	0	GE
		Manganese, total recoverable	2.2	1.00	J	µg/L	0	GE
		Manganese, total recoverable	2.3	1.00	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00	J3	µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	2,100	2.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,650	1.00		µg/L	0	GE
		Silica, total recoverable	6,680	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,750	1.00		µg/L	0	GE
		Sodium, total recoverable	2,760	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	7.7	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	38,000	1.00		µg/L	0	GE
		Total organic carbon	2,050	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 11D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	1,210	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00	J3	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	3.0E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	3.0E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	3.6E+00	1.00		pCi/L	0	GP
		Tritium	1.8E+01	1.00		pCi/mL	1	GP

WELL BGX 12C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74427.9	33.287753 °N	184.1-174.1 ft msl	275.1 ft msl	4" PVC	S	Barnwell (IIB ₁)
E59675.3	81.654237 °W					

FIELD MEASUREMENTS

Sample date: 02/02/94
Depth to water: 41.45 ft (12.63 m) below TOC
Water elevation: 233.65 ft (71.22 m) msl
Sp. conductance: 29 µS/cm
Turbidity: 1.4 NTU
Water evacuated before sampling: 112 gal

Time: 15: 40
pH: 5.7
Alkalinity: 5 mg/L
Water temperature: 17.9 °C

Volumes purged: 2.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.0	1.00	J1	pH	0	GE
		Specific conductance	27	1.00		µS/cm	0	GE
		Turbidity	0.11	1.00	J	NTU	0	GE
		Turbidity	0.11	1.00	J	NTU	0	GE
		Acetophenone	< 9.8	1.00		µg/L	0	GE
		Aldrin	< 0.051	1.00		µg/L	0	GE
		Aluminum, total recoverable	21	1.00	J	µg/L	0	GE
		Aluminum, total recoverable	23	1.00	J	µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	5.6	1.00		µg/L	0	GE
		Barium, total recoverable	5.6	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	814	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 12C collected on 02/02/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Calcium, total recoverable	814	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,400	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Endrin	<0.0061	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	17	1.00		µg/L	0	GE
		Iron, total recoverable	17	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	C	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Magnesium, total recoverable	370	1.00		µg/L	0	GE
		Magnesium, total recoverable	370	1.00		µg/L	0	GE
		Manganese, total recoverable	19	1.00		µg/L	0	GE
		Manganese, total recoverable	19	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.51	1.00		µg/L	0	GE
		Naphthalene	<9.8	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	150	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	546	1.00	J	µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	12,600	1.00		µg/L	0	GE
		Silica, total recoverable	12,600	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	3,620	1.00		µg/L	0	GE
		Sodium, total recoverable	3,650	1.00		µg/L	0	GE
		Sulfate	1,070	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 12C collected on 02/02/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	25,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	12	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.25	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	6.7E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	<7.2E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.5E+00	1.00		pCi/L	0	GP
		Tritium	<0.0E+00	1.00		pCi/mL	0	GP

WELL BGX 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74410.9 E59674.3	33.287714 °N 81.654207 °W	243.7-223.7 ft msl	275.2 ft msl	4" PVC	S	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 37.11 ft (11.31 m) below TOC
Water elevation: 238.09 ft (72.57 m) msl
Sp. conductance: 19 µS/cm
Turbidity: 24.9 NTU
Water evacuated before sampling: 7 gal
The well went dry during purging.

Time: 9: 10
pH: 5.1
Alkalinity: 1 mg/L
Water temperature: 18.0 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.7	1.00	J1	pH	0	GE
		Specific conductance	19	1.00		µS/cm	0	GE
		Turbidity	95	5.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.053	1.00		µg/L	0	GE
		Aluminum, total recoverable	181	1.00		µg/L	2	GE
		Aluminum, total recoverable	186	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	19	1.00		µg/L	0	GE
		Barium, total recoverable	19	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 12D collected on 02/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	394	1.00		µg/L	0	GE
		Calcium, total recoverable	396	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,770	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	9.0	1.00		µg/L	0	GE
		Copper, total recoverable	9.1	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.11	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00	JV2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.53	1.00		µg/L	0	GE
		Endrin	<0.0064	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.053	1.00		µg/L	0	GE
		Iron, total recoverable	115	1.00		µg/L	0	GE
		Iron, total recoverable	116	1.00		µg/L	0	GE
		Lead, total recoverable	3.5	1.00	J	µg/L	0	GE
		Lindane	<0.0053	1.00		µg/L	0	GE
		Magnesium, total recoverable	514	1.00		µg/L	0	GE
		Magnesium, total recoverable	515	1.00		µg/L	0	GE
		Manganese, total recoverable	16	1.00		µg/L	0	GE
		Manganese, total recoverable	16	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.53	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	70	1.00	J	µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	581	1.00	J	µg/L	0	GE
		Potassium, total recoverable	595	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL BGX 12D collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Silica, total recoverable	5,380	1.00		µg/L	0	GE
		Silica, total recoverable	5,410	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,250	1.00		µg/L	0	GE
		Sodium, total recoverable	1,260	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	6,000	1.00		µg/L	0	GE
		Total organic carbon	1,120	1.00	J	µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.26	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	1.3E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	< 6.9E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.4E+00	1.00	J	pCi/L	0	GP
		Tritium	< 1.6E+01	1.00		pCi/mL	0	GP

WELL FSS 1D

<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>
N75257.6	33.280161 °N	229.9-209.9 ft msl	266 ft msl	4" PVC	S	Water Table
E53897.6	81.671063 °W					

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 42.57 ft (12.98 m) below TOC
Water elevation: 223.43 ft (68.10 m) msl
Sp. conductance: 44 µS/cm
Turbidity: 28.3 NTU
Water evacuated before sampling: 5 gal
The well went dry during purging.

Time: 9: 00
pH: 5.8
Alkalinity: 10 mg/L
Water temperature: 15.1 °C

Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.6	1.00	J1	pH	0	GE
		Specific conductance	109	1.00		µS/cm	0	GE
		Turbidity	28	1.00		NTU	0	GE
		Turbidity	28	1.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 1D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	3,190	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	12	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	8,920	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,630	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
■		Copper, total recoverable	1,400	1.00		µg/L	2	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	572	1.00		µg/L	2	GE
■		Lead, total recoverable	119	5.00		µg/L	2	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	567	1.00		µg/L	0	GE
		Manganese, total recoverable	46	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	8.7	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	220	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	9,810	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	2,280	1.00		µg/L	0	GE
		Sulfate	1,210	1.00	J	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 1D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.1	1.00	J	µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	61,000	1.00		µg/L	0	GE
		Total organic carbon	1,110	1.00	J	µg/L	0	GE
		Total organic halogens	20	1.00		µg/L	0	GE
		Total phosphates (as P)	60	1.00	J	µg/L	0	GE
		Total phosphates (as P)	70	1.00	J	µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	168	1.00		µg/L	0	GE
		Carbon-14	< -4.9E+00	1.00		pCi/L	0	GP
		Gross alpha	7.3E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.6E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	JV2	pCi/L	0	GP
		Tritium	9.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	1.2E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< -5.3E-03	1.00		pCi/L	0	GP
		Uranium-238	< 4.9E-02	1.00		pCi/L	0	GP

WELL FSS 2D

<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>
N75103.5	33.279855 °N	224.4-204.4 ft msl	261.6 ft msl	4" PVC	S	Water Table
E53918.9	81.670708 °W					

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 38.82 ft (11.83 m) below TOC
Water elevation: 222.78 ft (67.90 m) msl
Sp. conductance: 88 µS/cm
Turbidity: 46.3 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 8: 48
pH: 6.1
Alkalinity: 19 mg/L
Water temperature: 14.2 °C

Volumes purged: 0.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.1	1.00	J1	pH	0	GE
		Specific conductance	84	1.00		µS/cm	0	GE
		Turbidity	102	5.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	2,450	1.00		µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	44	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 2D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	8,610	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,850	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE
		Chloroethane	< 1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		µg/L	0	GE
		Chloroform	< 1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	71	1.00		µg/L	0	GE
		Cyanide	5.5	1.00	J	µg/L	0	GE
		p,p'-DDT	< 0.099	1.00		µg/L	0	GE
		Dibromochloromethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	< 1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0059	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	795	1.00		µg/L	2	GE
		Lead, total recoverable	47	2.00		µg/L	1	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	886	1.00		µg/L	0	GE
		Manganese, total recoverable	96	1.00		µg/L	2	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	6.4	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	590	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,080	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	7,820	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	5,700	1.00		µg/L	0	GE
		Sulfate	11,500	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	6.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	47,000	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 2D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Total organic carbon	1,470	1.00	J	µg/L	0	GE
		Total organic halogens	13	1.00		µg/L	0	GE
		Total phosphates (as P)	170	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	119	1.00		µg/L	0	GE
		Carbon-14	<-1.5E+00	1.00		pCi/L	0	GP
		Gross alpha	3.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.7E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.3E+00	1.00	JV2	pCi/L	0	GP
■		Tritium	1.8E+02	1.00		pCi/mL	2	GP
		Uranium-233/234	<4.4E-03	1.00		pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	7.8E-02	1.00	J	pCi/L	0	GP

WELL FSS 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N74960.5	33.278933 °N	225.8-205.8 ft msl	258.2 ft msl	4" PVC	S	Water Table
E53548.0	81.671406 °W					

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 40.89 ft (12.46 m) below TOC
Water elevation: 217.31 ft (66.24 m) msl
Sp. conductance: 38 µS/cm
Turbidity: 13.9 NTU
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 8: 21
pH: 5.2
Alkalinity: 1 mg/L
Water temperature: 9.8 °C
Volumes purged: 1.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
●		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	51	1.00		µS/cm	0	GE
		Specific conductance	53	1.00		µS/cm	0	GE
		Turbidity	17	1.00		NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	204	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	20	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 3D collected on 02/01/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	767	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	3,040	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	14	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	71	1.00		µg/L	0	GE
		Lead, total recoverable	29	1.00		µg/L	1	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	631	1.00		µg/L	0	GE
		Manganese, total recoverable	91	1.00		µg/L	2	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	6.2	1.00	J	µg/L	0	GE
		Nitrate-nitrite as nitrogen	640	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,050	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	5,340	1.00		µg/L	0	GE
		Sulfate	8,570	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.5	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	38,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 3D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	7.7	1.00		µg/L	0	GE
		Carbon-14	< -1.1E+00	1.00		pCi/L	0	GP
		Gross alpha	1.8E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	2.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	2.5E+00	1.00	JV2	pCi/L	0	GP
■		Tritium	9.7E+01	1.00		pCi/mL	2	GP
		Uranium-233/234	< 3.0E-02	1.00		pCi/L	0	GP
		Uranium-235	< 4.2E-03	1.00		pCi/L	0	GP
		Uranium-238	< 3.9E-02	1.00		pCi/L	0	GP

WELL FSS 4D

<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>
N75537.8 E52876.1	33.279114 °N 81.674297 °W	222.6-202.6 ft msl	291.8 ft msl	4" PVC	S	Water Table

FIELD MEASUREMENTS

Sample date: 02/01/94
Depth to water: 71.77 ft (21.88 m) below TOC
Water elevation: 220.03 ft (67.07 m) msl
Sp. conductance: 46 µS/cm
Turbidity: 30.6 NTU
Water evacuated before sampling: 12 gal
The well went dry during purging.

Time: 9: 13
pH: 5.1
Alkalinity: 1 mg/L
Water temperature: 13.5 °C

Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.6	1.00	J1	pH	0	GE
		Specific conductance	50	1.00		µS/cm	0	GE
		Turbidity	237	10.00		NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.049	1.00		µg/L	0	GE
		Aluminum, total recoverable	1,010	1.00		µg/L	2	GE
		Aluminum, total recoverable	973	1.00	J3	µg/L	2	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	14	1.00		µg/L	0	GE
		Barium, total recoverable	14	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,570	1.00		µg/L	0	GE
		Calcium, total recoverable	1,580	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 4D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	4,060	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	5.5	1.00	J	µg/L	0	GE
		Copper, total recoverable	5.6	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.098	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00	J3	µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0059	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.049	1.00		µg/L	0	GE
		Iron, total recoverable	501	1.00		µg/L	2	GE
		Iron, total recoverable	483	1.00	J3	µg/L	2	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0049	1.00		µg/L	0	GE
		Magnesium, total recoverable	820	1.00		µg/L	0	GE
		Magnesium, total recoverable	820	1.00		µg/L	0	GE
		Manganese, total recoverable	22	1.00		µg/L	0	GE
		Manganese, total recoverable	22	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.49	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	5,550	5.00		µg/L	1	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	540	1.00	J	µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	JV2	µg/L	0	GE
		Silica, total recoverable	11,700	1.00		µg/L	0	GE
		Silica, total recoverable	11,600	1.00	J3	µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,750	1.00		µg/L	0	GE
		Sodium, total recoverable	4,780	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL FSS 4D collected on 02/01/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.7	1.00	J	µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	40,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00046	1.00	J3	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	1.5	1.00	J	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Zinc, total recoverable	12	1.00		µg/L	0	GE
		Zinc, total recoverable	12	1.00		µg/L	0	GE
		Carbon-14	< 1.9E+00	1.00		pCi/L	0	GP
		Gross alpha	1.4E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.3E+00	1.00	JV2	pCi/L	0	GP
		Tritium	5.4E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	1.5E-01	1.00	J	pCi/L	0	GP
		Uranium-235	< 1.2E-02	1.00		pCi/L	0	GP
		Uranium-238	< 0.0E+00	1.00		pCi/L	0	GP

WELL HMD 1D

<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>
N78731.7 E56973.3	33.292863 °N 81.669714 °W	219.7-199.7 ft msl	264.5 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 55.20 ft (16.83 m) below TOC
Water elevation: 209.30 ft (63.80 m) msl
Sp. conductance: 91 µS/cm
Turbidity: 20.2 NTU
Water evacuated before sampling: 4 gal
The well went dry during purging.

Time: 11: 48
pH: 5.7
Alkalinity: 22 mg/L
Water temperature: 10.2 °C

Volumes purged: 0.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		pH	6.4	1.00		pH	0	GE
•		pH	6.4	1.00	J1	pH	0	GE
		Specific conductance	90	1.00		µS/cm	0	GE
		Turbidity	20	1.00		NTU	0	GE
•		Turbidity	20	1.00	J1	NTU	0	GE
		Acetophenone	< 10	1.00		µg/L	0	GE
		Aldrin	< 0.049	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 1D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	601	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	7.4	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	985	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,140	1.00		µg/L	0	GE
		Chloride	2,150	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.097	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.49	1.00		µg/L	0	GE
		Endrin	<0.0058	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 1D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.049	1.00		µg/L	0	GE
		Iron, total recoverable	777	1.00		µg/L	2	GE
		Lead, total recoverable	15	1.00		µg/L	0	GE
		Lindane	< 0.0049	1.00		µg/L	0	GE
		Magnesium, total recoverable	215	1.00		µg/L	0	GE
		Manganese, total recoverable	52	1.00		µg/L	2	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Methoxychlor	< 0.49	1.00		µg/L	0	GE
		Naphthalene	< 10	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	100	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	676	1.00	J	µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	4,790	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	17,400	1.00		µg/L	0	GE
		Sulfate	11,600	1.00		µg/L	0	GE
		Sulfate	11,700	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	1.1	1.00	J	µg/L	0	GE
		Tetrachloroethylene	< 1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.3	1.00	J	µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Toluene	< 1.0	1.00		µg/L	0	GE
		Total dissolved solids	56,000	1.00		µg/L	0	GE
		Total organic carbon	1,260	1.00	J	µg/L	0	GE
		Total organic carbon	1,310	1.00	J	µg/L	0	GE
		Total organic halogens	7.1	1.00	J	µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
		Toxaphene	< 0.23	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.00045	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichloroethylene	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Xylenes	< 2.0	1.00		µg/L	0	GE
		Gross alpha	1.2E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	< 7.6E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP
■		Tritium	3.7E+01	1.00		pCi/mL	2	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N79665.8 E57269.7	33.295413 °N 81.670748 °W	210.8-190.8 ft msl	261.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 61.50 ft (18.75 m) below TOC
Water elevation: 199.60 ft (60.84 m) msl
Sp. conductance: 71 µS/cm
Turbidity: 0.6 NTU
Water evacuated before sampling: 121 gal

Time: 13: 18
pH: 5.5
Alkalinity: 10 mg/L
Water temperature: 18.6 °C
Volumes purged: 21.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.1	1.00	J1	pH	0	GE
•		pH	6.0	1.00	J1	pH	0	GE
•		pH	7.5	1.00	J	pH	0	WA
•		pH	7.4	1.00	J	pH	0	WA
		Specific conductance	72	1.00		µS/cm	0	GE
		Specific conductance	73	1.00		µS/cm	0	GE
		Specific conductance	52	1.00		µS/cm	0	WA
		Specific conductance	52	1.00		µS/cm	0	WA
•		Turbidity	0.11	1.00	J1	NTU	0	GE
•		Turbidity	<0.10	1.00	J1	NTU	0	GE
•		Turbidity	0.36	1.00	J	NTU	0	WA
•		Turbidity	0.36	1.00	J	NTU	0	WA
•		Turbidity	0.34	1.00	J	NTU	0	WA
		Acetophenone	<10	1.00		µg/L	0	GE
		Acetophenone	<11	1.00		µg/L	0	GE
		Acetophenone	<11	1.10		µg/L	0	WA
		Acetophenone	<10	1.00		µg/L	0	WA
		Acetophenone	<11	1.10		µg/L	0	WA
		Aldrin	<0.051	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	WA
		Aluminum, total recoverable	<20	1.00		µg/L	0	WA
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Antimony, total recoverable	<3.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	WA
		Barium, total recoverable	<3.0	1.00		µg/L	0	GE
		Barium, total recoverable	<3.0	1.00		µg/L	0	GE
		Barium, total recoverable	<3.0	1.00		µg/L	0	GE
		Barium, total recoverable	<4.0	1.00		µg/L	0	WA
		Barium, total recoverable	<4.0	1.00		µg/L	0	WA
		Benzene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 2D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Benzene	<1.0	1.00		µg/L	0	GE
		Benzene	<5.0	1.00		µg/L	0	WA
		Benzene	<5.0	1.00		µg/L	0	WA
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<5.0	1.00		µg/L	0	WA
		Bromodichloromethane	<5.0	1.00		µg/L	0	WA
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromoform	<5.0	1.00		µg/L	0	WA
		Bromoform	<5.0	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	1.00		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	1.00		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	WA
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	WA
		Calcium, total recoverable	261	1.00		µg/L	0	GE
		Calcium, total recoverable	271	1.00		µg/L	0	GE
		Calcium, total recoverable	273	1.00		µg/L	0	GE
		Calcium, total recoverable	288	1.00		µg/L	0	WA
		Calcium, total recoverable	280	1.00		µg/L	0	WA
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Carbon tetrachloride	<5.0	1.00		µg/L	0	WA
		Carbon tetrachloride	<5.0	1.00		µg/L	0	WA
		Chloride	2,670	1.00		µg/L	0	GE
		Chloride	2,630	1.00		µg/L	0	GE
		Chloride	3,010	1.00		µg/L	0	WA
		Chloride	2,870	1.00		µg/L	0	WA
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chlorobenzene	<5.0	1.00		µg/L	0	WA
		Chlorobenzene	<5.0	1.00		µg/L	0	WA
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethane	<10	1.00		µg/L	0	WA
		Chloroethane	<10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	1.00		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	1.00		µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	1.00		µg/L	0	WA
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloroform	<5.0	1.00		µg/L	0	WA
		Chloroform	<5.0	1.00		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	1.00		µg/L	0	WA

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WELL HMD 2D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	<10	1.00		µg/L	0	WA
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	WA
		Chromium, total recoverable	<4.0	1.00		µg/L	0	WA
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	WA
		Copper, total recoverable	<4.0	1.00		µg/L	0	WA
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	WA
		Cyanide	<5.0	1.00		µg/L	0	WA
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<5.0	1.00		µg/L	0	WA
		Dibromochloromethane	<5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<5.0	1.00		µg/L	0	WA
		1,1-Dichloroethane	<5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<5.0	1.00		µg/L	0	WA
		1,2-Dichloroethane	<5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<5.0	1.00		µg/L	0	WA
		1,1-Dichloroethylene	<5.0	1.00		µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethylene	<5.0	1.00		µg/L	0	WA
		1,2-Dichloroethylene	<5.0	1.00		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.4	1.00	J	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.8	1.00	J	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	1.08		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	1.09		µg/L	0	WA
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<5.0	1.00		µg/L	0	WA
		1,2-Dichloropropane	<5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	1.00		µg/L	0	WA

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WELL HMD 2D collected on 02/04/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,3-Dichloropropene	< 5.0	1.00		µg/L	0	WA
		Dieldrin	< 0.51	1.00		µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
		Endrin	< 0.0061	1.00		µg/L	0	GE
		Endrin	< 0.0060	1.00		µg/L	0	GE
		Endrin	< 0.10	1.03		µg/L	0	WA
		Endrin	< 0.11	1.05		µg/L	0	WA
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 1.0	1.00		µg/L	0	GE
		Ethylbenzene	< 5.0	1.00		µg/L	0	WA
		Ethylbenzene	< 5.0	1.00		µg/L	0	WA
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	WA
		Fluoride	< 100	1.00		µg/L	0	WA
		Heptachlor	< 0.051	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	10	1.00		µg/L	0	GE
		Iron, total recoverable	6.5	1.00	J	µg/L	0	GE
		Iron, total recoverable	6.5	1.00	J	µg/L	0	GE
		Iron, total recoverable	21	1.00		µg/L	0	WA
		Iron, total recoverable	58	1.00		µg/L	0	WA
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	WA
		Lead, total recoverable	< 3.0	1.00		µg/L	0	WA
		Lindane	< 0.0051	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Lindane	< 0.052	1.03		µg/L	0	WA
		Lindane	< 0.053	1.05		µg/L	0	WA
		Magnesium, total recoverable	80	1.00		µg/L	0	GE
		Magnesium, total recoverable	81	1.00		µg/L	0	GE
		Magnesium, total recoverable	83	1.00		µg/L	0	GE
		Magnesium, total recoverable	82	1.00		µg/L	0	WA
		Magnesium, total recoverable	81	1.00		µg/L	0	WA
		Manganese, total recoverable	3.5	1.00		µg/L	0	GE
		Manganese, total recoverable	3.6	1.00		µg/L	0	GE
		Manganese, total recoverable	3.6	1.00		µg/L	0	GE
		Manganese, total recoverable	3.7	1.00		µg/L	0	WA
		Manganese, total recoverable	3.8	1.00		µg/L	0	WA
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	WA
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	WA
		Methoxychlor	< 0.51	1.00		µg/L	0	GE
		Methoxychlor	< 0.50	1.00		µg/L	0	GE
		Methoxychlor	< 0.52	1.03		µg/L	0	WA
		Methoxychlor	< 0.53	1.05		µg/L	0	WA
		Naphthalene	< 10	1.00		µg/L	0	GE
		Naphthalene	< 11	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	WA
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	WA
		Nitrate as nitrogen	265	1.00		µg/L	0	WA

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WELL HMD 2D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nitrate as nitrogen	299	1.00		µg/L	0	WA
		Nitrate-nitrite as nitrogen	280	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	250	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	WA
		Phenols	<5.0	1.00		µg/L	0	WA
		Phenols	<5.0	1.00		µg/L	0	WA
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	WA
		Potassium, total recoverable	<500	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Selenium, total recoverable	<2.0	1.00		µg/L	0	WA
		Silica, total recoverable	5,820	1.00		µg/L	0	GE
		Silica, total recoverable	5,890	1.00		µg/L	0	GE
		Silica, total recoverable	5,940	1.00		µg/L	0	GE
		Silica, total recoverable	5,920	2.10		µg/L	0	WA
		Silica, total recoverable	5,870	2.10		µg/L	0	WA
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA
		Silver, total recoverable	<2.0	1.00		µg/L	0	WA
		Sodium, total recoverable	13,400	1.00		µg/L	0	GE
		Sodium, total recoverable	13,900	1.00		µg/L	0	GE
		Sodium, total recoverable	14,100	1.00		µg/L	0	GE
		Sodium, total recoverable	13,500	1.00		µg/L	0	WA
		Sodium, total recoverable	13,100	1.00		µg/L	0	WA
		Sulfate	12,300	1.00		µg/L	0	GE
		Sulfate	12,400	1.00		µg/L	0	GE
		Sulfate	13,600	1.00		µg/L	0	WA
		Sulfate	13,500	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	1.00		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<5.0	1.00		µg/L	0	WA
		Tetrachloroethylene	<5.0	1.00		µg/L	0	WA
		Tin, total recoverable	3.1	1.00	J	µg/L	0	GE
		Tin, total recoverable	4.8	1.00		µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
		Tin, total recoverable	<17	1.00		µg/L	0	WA
		Tin, total recoverable	<17	1.00		µg/L	0	WA
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<5.0	1.00		µg/L	0	WA
		Toluene	<5.0	1.00		µg/L	0	WA
		Total dissolved solids	46,000	1.00		µg/L	0	GE
		Total dissolved solids	46,000	1.00		µg/L	0	GE
		Total dissolved solids	55,000	1.00	J	µg/L	0	WA

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WELL HMD 2D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		Total dissolved solids	44,000	1.00	J	µg/L	0	WA
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	WA
		Total organic carbon	<1,000	1.00		µg/L	0	WA
		Total organic carbon	<1,000	1.00		µg/L	0	WA
		Total organic halogens	11	1.00		µg/L	0	GE
		Total organic halogens	17	1.00		µg/L	0	GE
		Total organic halogens	22	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	WA
		Total organic halogens	6.1	1.00		µg/L	0	WA
		Total organic halogens	6.2	1.00		µg/L	0	WA
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	75	1.00		µg/L	0	WA
		Total phosphates (as P)	72	1.00		µg/L	0	WA
		Toxaphene	<0.25	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		Toxaphene	<1.0	1.03		µg/L	0	WA
		Toxaphene	<1.0	1.05		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00047	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.54	1.08		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55	1.09		µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	1.00		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	1.00		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	1.00		µg/L	0	WA
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<5.0	1.00		µg/L	0	WA
		Trichloroethylene	<5.0	1.00		µg/L	0	WA
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	1.2	1.00	J	µg/L	0	GE
		Trichlorofluoromethane	1.4	1.00	J	µg/L	0	WA
		Trichlorofluoromethane	1.4	1.00	J	µg/L	0	WA
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<3.0	1.00		µg/L	0	WA
		Vanadium, total recoverable	<3.0	1.00		µg/L	0	WA
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Xylenes	<5.0	1.00		µg/L	0	WA
		Xylenes	<5.0	1.00		µg/L	0	WA
		Gross alpha	<1.7E-01	1.00		pCi/L	0	GP
		Gross alpha	<1.6E-01	1.00		pCi/L	0	GP
		Gross alpha	<2.8E-01	1.00		pCi/L	0	GP
		Gross alpha	<6.6E-01	1.00		pCi/L	0	TM
		Gross alpha	<6.6E-01	1.00		pCi/L	0	TM
		Nonvolatile beta	<1.8E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	<-2.5E-02	1.00		pCi/L	0	GP

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WELL HMD 2D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Nonvolatile beta	<2.4E-01	1.00		pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1.00		pCi/L	0	TM
		Nonvolatile beta	1.2E+00	1.00		pCi/L	0	TM
		Radium-226	3.5E-01	1.00		pCi/L	0	TM
		Radium-226	8.4E-01	1.00		pCi/L	0	TM
		Radium-228	5.0E-01	1.00		pCi/L	0	TM
		Radium-228	7.0E-01	1.00		pCi/L	0	TM
		Radium, total alpha-emitting	<4.0E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.1E+00	1.00	J	pCi/L	0	GP
		Tritium	1.1E+01	1.00		pCi/mL	1	GP
		Tritium	1.2E+01	1.00		pCi/mL	1	GP
		Tritium	1.3E+01	1.00		pCi/mL	1	TM
		Tritium	1.4E+01	1.00		pCi/mL	1	TM

WELL HMD 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N79578.7 E57745.2	33.295996 °N 81.669327 °W	207.7-187.7 ft msl	259.5 ft msl	4" PVC	S	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 60.40 ft (18.41 m) below TOC
Water elevation: 199.10 ft (60.69 m) msl
Sp. conductance: 61 µS/cm
Turbidity: 2.5 NTU
Water evacuated before sampling: 95 gal

Time: 12:44
pH: 5.1
Alkalinity: 0 mg/L
Water temperature: 18.8 °C

Volumes purged: 12.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	5.1	1.00	J1	pH	0	GE
		Specific conductance	59	1.00		µS/cm	0	GE
•		Turbidity	<0.10	1.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	38	1.00		µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	9.4	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	966	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,700	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 3D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	6.6	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0016	1.00		µg/L	C	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	26	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	619	1.00		µg/L	0	GE
		Manganese, total recoverable	16	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	380	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	632	1.00	J	µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,670	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	7,760	1.00		µg/L	0	GE
		Sulfate	14,400	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	2.3	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	38,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
•		Total organic halogens	29	1.00	J1	µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	4.9	1.00		µg/L	1	GE
		Trichlorofluoromethane	4.9	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	5.8E-01	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1.00	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 3D collected on 02/04/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Radium, total alpha-emitting	1.5E+00	1.00	J	pCi/L	0	GP
		Tritium	8.6E+00	1.00		pCi/mL	0	GP
		Tritium	8.3E+00	1.00		pCi/mL	0	GP

WELL HMD 4D

<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>
N79160.4	33.295794 °N	208.9-188.9 ft msl	250.9 ft msl	4" PVC	S	Barnwell (IIB ₁)
E58188.5	81.667346 °W					

FIELD MEASUREMENTS

Sample date: 02/04/94
Depth to water: 58.38 ft (17.79 m) below TOC
Water elevation: 192.52 ft (58.68 m) msl
Sp. conductance: 22 µS/cm
Turbidity: 24.5 NTU
Water evacuated before sampling: 6 gal
The well went dry during purging.

Time: 11:15
pH: 5.4
Alkalinity: 3 mg/L
Water temperature: 17.6 °C

Volumes purged: 2.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.9	1.00	J1	pH	0	GE
		Specific conductance	28	1.00		µS/cm	0	GE
•		Turbidity	66	2.00	J1	NTU	0	GE
		Acetophenone	<10	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	747	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	22	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	1,390	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	2,180	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	76	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HMD 4D collected on 02/04/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.0015	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Endrin	<0.0060	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	487	1.00		µg/L	2	GE
		Lead, total recoverable	41	1.00		µg/L	1	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	458	1.00		µg/L	0	GE
		Manganese, total recoverable	36	1.00		µg/L	1	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Methoxychlor	<0.50	1.00		µg/L	0	GE
		Naphthalene	<10	1.00		µg/L	0	GE
		Nickel, total recoverable	7.7	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	350	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,560	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	7,470	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,070	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	3.3	1.00	J	µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	24,000	1.00		µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	32	1.00		µg/L	1	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Toxaphene	<0.24	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00045	1.00		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.00046	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Xylenes	<2.0	1.00		µg/L	0	GE
		Gross alpha	2.5E+00	1.00	J	pCi/L	0	GP
		Nonvolatile beta	1.9E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.6E+00	1.00	J	pCi/L	0	GP
		Tritium	1.1E+01	1.00		pCi/mL	1	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73791.9 E58943.4	33.285152 °N 81.654930 °W	71.1-61.1 ft msl	294.4 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/14/94
Depth to water: 125.84 ft (38.36 m) below TOC
Water elevation: 168.56 ft (51.38 m) msl
Sp. conductance: 181 µS/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 233 gal

Time: 10: 02
pH: 7.0
Alkalinity: 74 mg/L
Water temperature: 19.1 °C
Volumes purged: 3.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	6.9	1.00	J1	pH	0	GE
		Specific conductance	182	1.00		µS/cm	0	GE
		Aluminum, total recoverable	<20	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	30	1.00		µg/L	0	GE
•		Benzene	<1.0	1.00	J1	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	1.00		µg/L	0	GE
•		Bromodichloromethane	<1.0	1.00	J1	µg/L	0	GE
•		Bromoform	<1.0	1.00	J1	µg/L	0	GE
•		Bromomethane (Methyl bromide)	<1.0	1.00	J1	µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	32,800	1.00		µg/L	0	GE
•		Carbon tetrachloride	<1.0	1.00	J1	µg/L	0	GE
		Chloride	2,470	1.00		µg/L	0	GE
•		Chlorobenzene	<1.0	1.00	J1	µg/L	0	GE
•		Chloroethane	<1.0	1.00	J1	µg/L	0	GE
•		Chloroethene (Vinyl chloride)	<1.0	1.00	J1	µg/L	0	GE
•		2-Chloroethyl vinyl ether	<1.0	1.00	J1	µg/L	0	GE
•		Chloroform	<1.0	1.00	J1	µg/L	0	GE
•		Chloromethane (Methyl chloride)	<1.0	1.00	J1	µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Cobalt, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
•		Dibromochloromethane	<1.0	1.00	J1	µg/L	0	GE
•		1,1-Dichloroethane	<1.0	1.00	J1	µg/L	0	GE
•		1,2-Dichloroethane	<1.0	1.00	J1	µg/L	0	GE
•		1,1-Dichloroethylene	<1.0	1.00	J1	µg/L	0	GE
•		trans-1,2-Dichloroethylene	<1.0	1.00	J1	µg/L	0	GE
•		Dichloromethane (Methylene chloride)	<1.0	1.00	J1	µg/L	0	GE
•		1,2-Dichloropropane	<1.0	1.00	J1	µg/L	0	GE
•		cis-1,3-Dichloropropene	<1.0	1.00	J1	µg/L	0	GE
•		trans-1,3-Dichloropropene	<1.0	1.00	J1	µg/L	0	GE
•		Ethylbenzene	<1.0	1.00	J1	µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	839	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A collected on 01/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Manganese, total recoverable	< 2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	< 50	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,120	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	28,300	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,810	1.00		µg/L	0	GE
		Sulfate	5,300	1.00		µg/L	0	GE
•		1,1,2,2-Tetrachloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		Tetrachloroethylene	< 1.0	1.00	J1	µg/L	0	GE
		Thallium, total recoverable	< 2.0	1.00		µg/L	0	GE
•		Toluene	< 1.0	1.00	J1	µg/L	0	GE
		Total dissolved solids	126,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	< 5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
•		1,1,1-Trichloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		1,1,2-Trichloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		Trichloroethylene	< 1.0	1.00	J1	µg/L	0	GE
•		Trichlorofluoromethane	< 1.0	1.00	J1	µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Zinc, total recoverable	17	1.00		µg/L	0	GE
		Actinium-228	< 3.8E+00	1.00		pCi/L	0	GP
		Americium-241	< 2.2E-02	1.00		pCi/L	0	GP
		Antimony-124	< 1.7E+00	1.00		pCi/L	0	GP
		Antimony-125	< 1.3E-01	1.00		pCi/L	0	GP
		Barium-133	< 1.9E-01	1.00		pCi/L	0	GP
		Cerium-144	< 1.3E+01	1.00		pCi/L	0	GP
		Cesium-134	< 1.5E+00	1.00		pCi/L	0	GP
		Cesium-137	< 1.5E+00	1.00		pCi/L	0	GP
		Cobalt-57	< 7.3E-01	1.00		pCi/L	0	GP
		Cobalt-58	< 1.6E+00	1.00		pCi/L	0	GP
		Cobalt-60	< 9.8E-01	1.00		pCi/L	0	GP
		Curium-242	< 2.6E-02	1.00		pCi/L	0	GP
		Curium-243/244	< 4.3E-02	1.00		pCi/L	0	GP
		Curium-245/246	< 0.0E+00	1.00		pCi/L	0	GP
		Europium-152	< 5.6E-01	1.00		pCi/L	0	GP
		Europium-154	< 2.7E+00	1.00		pCi/L	0	GP
		Europium-155	< 1.3E+00	1.00		pCi/L	0	GP
		Gross alpha	7.9E-01	1.00	J	pCi/L	0	GP
		Iodine-129	< 1.4E-02	1.00		pCi/L	0	GP
		Lead-212	9.2E+00	1.00	J	pCi/L	0	GP
		Manganese-54	< 1.4E+00	1.00		pCi/L	0	GP
		Neptunium-239	< 2.2E+00	1.00	JV2	pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1.00	J	pCi/L	0	GP
		Plutonium-238	< 7.2E-03	1.00		pCi/L	0	GP
		Plutonium-239/240	< 0.0E+00	1.00		pCi/L	0	GP
		Potassium-40	< 7.9E+00	1.00		pCi/L	0	GP
		Promethium-144	< 4.7E-01	1.00		pCi/L	0	GP
		Promethium-146	< 4.5E-01	1.00		pCi/L	0	GP
		Radium-226	3.0E-01	1.00	J	pCi/L	0	GP
		Radium-228	4.5E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	9.0E-01	1.00	J	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A collected on 01/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Ruthenium-106	< -4.4E+00	1.00		pCi/L	0	GP
		Sodium-22	3.1E+00	1.00	J	pCi/L	0	GP
		Strontium-89	< -1.1E+00	1.00		pCi/L	0	GP
		Strontium-90	< -5.5E-01	1.00		pCi/L	0	GP
		Technetium-99	< -2.6E+00	1.00		pCi/L	0	GP
		Thorium-228	< 8.4E-02	1.00		pCi/L	0	GP
		Thorium-230	3.4E-01	1.00	J	pCi/L	0	GP
		Thorium-232	< 7.9E-03	1.00		pCi/L	0	GP
		Thorium-234	< 3.9E+01	1.00		pCi/L	0	GP
		Tin-113	< 3.9E+00	1.00		pCi/L	0	GP
		Tritium	< 4.5E-02	1.00		pCi/mL	0	GP
		Uranium-233/234	< -1.6E-02	1.00		pCi/L	0	GP
		Uranium-235	< -7.9E-03	1.00		pCi/L	0	GP
		Uranium-238	< -1.6E-02	1.00		pCi/L	0	GP
		Yttrium-88	< -1.4E+00	1.00		pCi/L	0	GP
		Zinc-65	< 1.4E+00	1.00		pCi/L	0	GP
		Zirconium-95	< 2.4E+00	1.00		pCi/L	0	GP

WELL HSB 85A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73791.9 E58943.4	33.285152 °N 81.654930 °W	71.1-61.1 ft msl	294.4 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 125.77 ft (38.34 m) below TOC
Water elevation: 168.63 ft (51.40 m) msl
Sp. conductance: 187 µS/cm
Turbidity: 0.1 NTU
Water evacuated before sampling: 207 gal

Time: 15: 06
pH: 6.8
Alkalinity: 72 mg/L
Water temperature: 19.8 °C
Volumes purged: 2.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		pH	7.0	1.00		pH	0	GE
•		pH	7.1	1.00	J1	pH	0	GE
		Specific conductance	178	1.00		µS/cm	0	GE
		Aluminum, total recoverable	< 20	1.00		µg/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		µg/L	0	GE
		Barium, total recoverable	29	1.00		µg/L	0	GE
		Benzene	< 1.0	1.00		µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	< 9.9	1.00		µg/L	0	GE
		Bromodichloromethane	< 1.0	1.00		µg/L	0	GE
		Bromoform	< 1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	32,700	1.00		µg/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		µg/L	0	GE
		Chloride	2,580	1.00		µg/L	0	GE
		Chlorobenzene	< 1.0	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A collected on 02/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Cobalt, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	<4.0	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Iron, total recoverable	4.4	1.00	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	807	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,160	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	27,300	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,730	1.00		µg/L	0	GE
		Sulfate	5,680	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Thallium, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	117,000	1.00		µg/L	0	GE
		Total organic carbon	1,200	1.00	J	µg/L	0	GE
		Total organic halogens	9.5	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Zinc, total recoverable	<2.0	1.00		µg/L	0	GE
		Actinium-228	<2.8E+00	1.00		pCi/L	0	GP
		Americium-241	<5.1E-02	1.00		pCi/L	0	GP
		Antimony-124	3.2E+00	1.00	J	pCi/L	0	GP
		Antimony-125	2.1E+01	1.00	J	pCi/L	0	GP
		Barium-133	4.6E+00	1.00	J	pCi/L	0	GP
		Cerium-144	<1.4E+01	1.00		pCi/L	0	GP
		Cesium-134	2.9E+00	1.00	J	pCi/L	0	GP
		Cesium-137	<-1.6E+00	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Cobalt-57	< 4.1E-01	1.00		pCi/L	0	GP
		Cobalt-58	< 3.3E+00	1.00		pCi/L	0	GP
		Cobalt-60	< 2.0E+00	1.00		pCi/L	0	GP
		Curium-242	< -4.5E-03	1.00		pCi/L	0	GP
		Curium-243/244	< 2.1E-02	1.00		pCi/L	0	GP
		Curium-245/246	< 0.0E+00	1.00		pCi/L	0	GP
		Europium-152	< 1.8E+00	1.00		pCi/L	0	GP
		Europium-154	< -2.3E-01	1.00		pCi/L	0	GP
		Europium-155	< 2.7E+00	1.00		pCi/L	0	GP
		Gross alpha	5.5E-01	1.00	J	pCi/L	0	GP
		Iodine-129	< 3.6E-01	1.00		pCi/L	0	GP
		Lead-212	< 3.8E+00	1.00		pCi/L	0	GP
		Manganese-54	2.9E+00	1.00	J	pCi/L	0	GP
		Neptunium-239	< 2.9E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	1.7E+00	1.00	J	pCi/L	0	GP
		Plutonium-238	< 1.3E-02	1.00		pCi/L	0	GP
		Plutonium-239/240	< -7.0E-03	1.00		pCi/L	0	GP
		Potassium-40	< -1.2E+00	1.00		pCi/L	0	GP
		Promethium-144	< 3.4E-01	1.00		pCi/L	0	GP
		Promethium-146	< 1.2E+00	1.00		pCi/L	0	GP
		Radium-226	1.6E-01	1.00	J	pCi/L	0	GP
		Radium-228	< -1.3E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	7.0E-01	1.00	J	pCi/L	0	GP
		Ruthenium-106	< -3.0E+00	1.00		pCi/L	0	GP
		Sodium-22	< -7.6E-01	1.00		pCi/L	0	GP
		Strontium-89	< -1.1E+00	1.00		pCi/L	0	GP
		Strontium-90	< -7.8E-01	1.00		pCi/L	0	GP
		Technetium-99	< -1.8E+01	1.00		pCi/L	0	GP
		Thorium-228	< 4.0E-02	1.00		pCi/L	0	GP
		Thorium-230	3.1E-01	1.00	J	pCi/L	0	GP
		Thorium-232	< -1.4E-02	1.00		pCi/L	0	GP
		Thorium-234	< 8.0E+01	1.00		pCi/L	0	GP
		Tin-113	< 5.0E-01	1.00		pCi/L	0	GP
		Tritium	< 0.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	1.1E-01	1.00	J	pCi/L	0	GP
		Uranium-235	7.9E-02	1.00	J	pCi/L	0	GP
		Uranium-238	7.9E-02	1.00	J	pCi/L	0	GP
		Yttrium-88	< -2.4E-01	1.00		pCi/L	0	GP
		Zinc-65	< 1.1E+00	1.00		pCi/L	0	GP
		Zirconium-95	< 4.2E-01	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73791.9 E58943.4	33.285152 °N 81.654930 °W	71.1-61.1 ft msl	294.4 ft msl	4" PVC	S	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 03/15/94
Depth to water: 125.59 ft (38.28 m) below TOC
Water elevation: 168.81 ft (51.45 m) msl
Sp. conductance: 201 μ S/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 183 gal

Time: 15:42
pH: 6.9
Alkalinity: 75 mg/L
Water temperature: 19.8 °C

Volumes purged: 2.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		pH	7.1	1.00		pH	0	GE
•		pH	7.0	1.00	J1	pH	0	GE
		Specific conductance	181	1.00		μ S/cm	0	GE
		Aluminum, total recoverable	< 20	1.00		μ g/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Antimony, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	29	1.00		μ g/L	0	GE
		Benzene	< 1.0	1.00		μ g/L	0	GE
		Benzene	< 1.0	1.00		μ g/L	0	GE
		Bis(2-ethylhexyl) phthalate	< 10	1.00		μ g/L	0	GE
		Bromodichloromethane	< 1.0	1.00		μ g/L	0	GE
		Bromodichloromethane	< 1.0	1.00		μ g/L	0	GE
		Bromoform	< 1.0	1.00		μ g/L	0	GE
		Bromoform	< 1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	< 2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	33,100	1.00		μ g/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		μ g/L	0	GE
		Carbon tetrachloride	< 1.0	1.00		μ g/L	0	GE
		Chloride	2,260	1.00		μ g/L	0	GE
		Chlorobenzene	< 1.0	1.00		μ g/L	0	GE
		Chlorobenzene	< 1.0	1.00		μ g/L	0	GE
		Chloroethane	< 1.0	1.00		μ g/L	0	GE
		Chloroethane	< 1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	1.00		μ g/L	0	GE
		Chloroform	< 1.0	1.00		μ g/L	0	GE
		Chloroform	< 1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		μ g/L	0	GE
		Cobalt, total recoverable	< 4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	< 4.0	1.00		μ g/L	0	GE
		Cyanide	< 5.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A collected on 03/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Iron, total recoverable	<4.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Magnesium, total recoverable	823	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,070	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	J3	µg/L	0	GE
		Silica, total recoverable	27,500	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	1,750	1.00		µg/L	0	GE
		Sulfate	4,770	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Thallium, total recoverable	<2.0	1.00		µg/L	0	GE
		Thallium, total recoverable	<2.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	129,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	5.5 /0	1.00		µg/L	1	GE
		Total organic halogens	54	1.00		µg/L	2	GE
		Total phosphates (as P)	120	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A collected on 03/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Trichlorofluoromethane	< 1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Zinc, total recoverable	< 2.0	1.00		µg/L	0	GE
		Actinium-228	< 9.0E-01	1.00		pCi/L	0	GP
		Actinium-228	< 4.6E-01	1.00		pCi/L	0	GP
		Americium-241	< 7.8E-03	1.00		pCi/L	0	GP
		Antimony-124	< 4.0E-01	1.00		pCi/L	0	GP
		Antimony-124	< 1.6E+00	1.00		pCi/L	0	GP
		Antimony-125	< 3.0E+00	1.00		pCi/L	0	GP
		Antimony-125	< 2.6E+00	1.00		pCi/L	0	GP
		Barium-133	< 3.5E+00	1.00		pCi/L	0	GP
		Barium-133	< 4.3E-01	1.00		pCi/L	0	GP
		Cerium-144	< 1.6E-01	1.00		pCi/L	0	GP
		Cerium-144	< 5.4E+00	1.00		pCi/L	0	GP
		Cesium-134	< 8.7E-01	1.00		pCi/L	0	GP
		Cesium-134	< 1.5E+00	1.00		pCi/L	0	GP
		Cesium-137	< 1.6E+00	1.00		pCi/L	0	GP
		Cesium-137	< 7.5E-01	1.00		pCi/L	0	GP
		Cobalt-57	< 2.1E+00	1.00		pCi/L	0	GP
		Cobalt-57	< 8.4E-01	1.00		pCi/L	0	GP
		Cobalt-58	< 4.9E-01	1.00		pCi/L	0	GP
		Cobalt-58	< 9.9E-01	1.00		pCi/L	0	GP
		Cobalt-60	< 1.6E+00	1.00		pCi/L	0	GP
		Cobalt-60	4.7E+00	1.00	J	pCi/L	0	GP
		Curium-242	< 0.0E+00	1.00		pCi/L	0	GP
		Curium-243/244	< 7.8E-03	1.00		pCi/L	0	GP
		Curium-245/246	< 0.0E+00	1.00		pCi/L	0	GP
		Europium-152	< 6.2E+00	1.00		pCi/L	0	GP
		Europium-152	< 2.5E+00	1.00		pCi/L	0	GP
		Europium-154	< 4.4E+00	1.00		pCi/L	0	GP
		Europium-154	< 1.8E+00	1.00		pCi/L	0	GP
		Europium-155	< 1.9E+00	1.00		pCi/L	0	GP
		Europium-155	< 3.5E+00	1.00		pCi/L	0	GP
		Gross alpha	7.2E-01	1.00	J	pCi/L	0	GP
		Iodine-129	< 3.8E-01	1.00		pCi/L	0	GP
		Lead-212	1.1E+01	1.00	J	pCi/L	0	GP
		Lead-212	< 3.0E+00	1.00		pCi/L	0	GP
		Manganese-54	< 4.0E-01	1.00		pCi/L	0	GP
		Manganese-54	< 5.9E-01	1.00		pCi/L	0	GP
		Neptunium-239	< 1.2E+00	1.00		pCi/L	0	GP
		Neptunium-239	< 3.9E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	1.4E+00	1.00	J	pCi/L	0	GP
		Plutonium-238	< 4.4E-02	1.00		pCi/L	0	GP
		Plutonium-239/240	< 3.5E-02	1.00		pCi/L	0	GP
		Potassium-40	2.4E+01	1.00	J	pCi/L	0	GP
		Potassium-40	< 2.2E+00	1.00		pCi/L	0	GP
		Promethium-144	< 1.1E+00	1.00		pCi/L	0	GP
		Promethium-144	1.9E+00	1.00	J	pCi/L	0	GP
		Promethium-146	< 4.2E-02	1.00		pCi/L	0	GP
		Promethium-146	< 5.2E-01	1.00		pCi/L	0	GP
		Radium-226	3.1E-01	1.00	J	pCi/L	0	GP
		Radium-228	< 3.0E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	8.0E-01	1.00	J	pCi/L	0	GP
		Ruthenium-106	< 3.8E+01	1.00		pCi/L	0	GP
		Ruthenium-106	< 3.1E+00	1.00		pCi/L	0	GP
		Sodium-22	< 5.4E-01	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85A collected on 03/15/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Sodium-22	<-9.9E-01	1.00		pCi/L	0	GP
		Strontium-89	<-4.7E-01	1.00		pCi/L	0	GP
		Strontium-90	<-3.1E-01	1.00		pCi/L	0	GP
		Technetium-99	<-5.6E+00	1.00		pCi/L	0	GP
		Thorium-228	<8.9E-02	1.00		pCi/L	0	GP
		Thorium-230	<2.2E-02	1.00		pCi/L	0	GP
		Thorium-232	<5.6E-02	1.00		pCi/L	0	GP
		Thorium-234	1.5E+02	1.00	J	pCi/L	0	GP
		Thorium-234	<1.5E+01	1.00		pCi/L	0	GP
		Tin-113	<1.1E+00	1.00		pCi/L	0	GP
		Tin-113	<2.6E+00	1.00		pCi/L	0	GP
		Tritium	<6.8E-02	1.00		pCi/mL	0	GP
		Uranium-233/234	<3.4E-02	1.00		pCi/L	0	GP
		Uranium-235	<9.6E-03	1.00		pCi/L	0	GP
		Uranium-238	<-1.1E-02	1.00		pCi/L	0	GP
		Yttrium-88	<1.3E+00	1.00		pCi/L	0	GP
		Yttrium-88	<5.4E-02	1.00		pCi/L	0	GP
		Zinc-65	<-1.8E-01	1.00		pCi/L	0	GP
		Zinc-65	<1.5E+00	1.00		pCi/L	0	GP
		Zirconium-95	2.6E+00	1.00	J	pCi/L	0	GP
		Zirconium-95	<6.9E-03	1.00		pCi/L	0	GP

WELL HSB 85B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73789.3	33.285162 °N	143.2-133.2 ft msl	294.5 ft msl	4" PVC	S	McBean (IIB ₁)
E58953.3	81.654898 °W					

FIELD MEASUREMENTS

Sample date: 01/14/94
Depth to water: 61.71 ft (18.81 m) below TOC
Water elevation: 232.79 ft (70.96 m) msl
Sp. conductance: 137 μ S/cm
Turbidity: 0.9 NTU
Water evacuated before sampling: 50 gal
The well went dry during purging.

Time: 9: 21
pH: 10.7
Alkalinity: 45 mg/L
Water temperature: 17.5 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.5	1.00	J1	pH	1	GE
		Specific conductance	188	1.00		μ S/cm	0	GE
		Aldrin	<0.050	1.00		μ g/L	0	GE
		Aluminum, total recoverable	975	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	26	1.00		μ g/L	0	GE
•		Benzene	<1.0	1.00	J1	μ g/L	0	GE
		Bis(2 ethylhexyl) phthalate	<10	1.00		μ g/L	0	GE
•		Bromodichloromethane	<1.0	1.00	J1	μ g/L	0	GE
•		Bromoform	<1.0	1.00	J1	μ g/L	0	GE
•		Bromomethane (Methyl bromide)	<1.0	1.00	J1	μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85B collected on 01/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Calcium, total recoverable	21,300	1.00		µg/L	0	GE
•		Carbon tetrachloride	< 1.0	1.00	J1	µg/L	0	GE
		Chloride	2,150	1.00		µg/L	0	GE
•		Chlorobenzene	< 1.0	1.00	J1	µg/L	0	GE
•		Chloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		Chloroethene (Vinyl chloride)	< 1.0	1.00	J1	µg/L	0	GE
•		2-Chloroethyl vinyl ether	< 1.0	1.00	J1	µg/L	0	GE
•		Chloroform	< 1.0	1.00	J1	µg/L	0	GE
•		Chloromethane (Methyl chloride)	< 1.0	1.00	J1	µg/L	0	GE
		Chromium, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cobalt, total recoverable	< 4.0	1.00		µg/L	0	GE
		Copper, total recoverable	< 4.0	1.00		µg/L	0	GE
		Cyanide	< 5.0	1.00		µg/L	0	GE
		p,p'-DDT	< 0.10	1.00		µg/L	0	GE
•		Dibromochloromethane	< 1.0	1.00	J1	µg/L	0	GE
•		1,1-Dichloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		1,2-Dichloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		1,1-Dichloroethylene	< 1.0	1.00	J1	µg/L	0	GE
•		trans-1,2-Dichloroethylene	< 1.0	1.00	J1	µg/L	0	GE
•		Dichloromethane (Methylene chloride)	< 1.0	1.00	J1	µg/L	0	GE
•		1,2-Dichloropropane	< 1.0	1.00	J1	µg/L	0	GE
•		cis-1,3-Dichloropropene	< 1.0	1.00	J1	µg/L	0	GE
•		trans-1,3-Dichloropropene	< 1.0	1.00	J1	µg/L	0	GE
		Dieldrin	< 0.50	1.00		µg/L	0	GE
•		Ethylbenzene	< 1.0	1.00	J1	µg/L	0	GE
		Fluoride	< 100	1.00		µg/L	0	GE
		Heptachlor	< 0.050	1.00		µg/L	0	GE
		Iron, total recoverable	18	1.00		µg/L	0	GE
		Lead, total recoverable	< 3.0	1.00		µg/L	0	GE
		Lindane	< 0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	723	1.00		µg/L	0	GE
		Manganese, total recoverable	< 2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	< 0.20	1.00		µg/L	0	GE
		Nickel, total recoverable	< 4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	230	1.00		µg/L	0	GE
		Phenols	< 5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	2,690	1.00		µg/L	0	GE
		Selenium, total recoverable	< 2.0	1.00		µg/L	0	GE
		Silica, total recoverable	14,000	1.00		µg/L	0	GE
		Silver, total recoverable	< 2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	6,590	1.00		µg/L	0	GE
		Sulfate	< 1,000	1.00		µg/L	0	GE
•		1,1,2,2-Tetrachloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		Tetrachloroethylene	< 1.0	1.00	J1	µg/L	0	GE
		Tin, total recoverable	< 2.0	1.00		µg/L	0	GE
•		Toluene	< 1.0	1.00	J1	µg/L	0	GE
		Total dissolved solids	109,000	1.00		µg/L	0	GE
		Total organic carbon	< 1,000	1.00		µg/L	0	GE
		Total organic halogens	12	1.00		µg/L	0	GE
		Total phosphates (as P)	< 50	1.00		µg/L	0	GE
•		1,1,1-Trichloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		1,1,2-Trichloroethane	< 1.0	1.00	J1	µg/L	0	GE
•		Trichloroethylene	< 1.0	1.00	J1	µg/L	0	GE
•		Trichlorofluoromethane	< 1.0	1.00	J1	µg/L	0	GE
		Vanadium, total recoverable	< 8.0	1.00		µg/L	0	GE
		Zinc, total recoverable	16	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85B collected on 01/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Actinium-228	<3.9E+00	1.00		pCi/L	0	GP
		Americium-241	<5.7E-02	1.00		pCi/L	0	GP
		Antimony-124	<-7.2E-01	1.00		pCi/L	0	GP
		Antimony-125	<9.7E-01	1.00		pCi/L	0	GP
		Barium-133	<-1.0E+00	1.00		pCi/L	0	GP
		Cerium-144	<-2.4E+00	1.00		pCi/L	0	GP
		Cesium-134	<2.2E-03	1.00		pCi/L	0	GP
		Cesium-137	<6.0E-01	1.00		pCi/L	0	GP
		Cobalt-57	<5.2E-01	1.00		pCi/L	0	GP
		Cobalt-58	<-1.4E+00	1.00		pCi/L	0	GP
		Cobalt-60	<1.7E+00	1.00		pCi/L	0	GP
		Curium-242	<-4.4E-03	1.00		pCi/L	0	GP
		Curium-243/244	<1.3E-02	1.00		pCi/L	0	GP
		Curium-245/246	<0.0E+00	1.00		pCi/L	0	GP
		Europium-152	<4.1E+00	1.00		pCi/L	0	GP
		Europium-154	<-3.9E+00	1.00		pCi/L	0	GP
		Europium-155	<-2.7E+00	1.00		pCi/L	0	GP
		Gross alpha	<2.5E-01	1.00		pCi/L	0	GP
		Iodine-129	<1.5E-01	1.00		pCi/L	0	GP
		Lead-212	<1.8E+00	1.00		pCi/L	0	GP
		Manganese-54	<1.5E+00	1.00		pCi/L	0	GP
		Neptunium-239	<6.1E-01	1.00	JV2	pCi/L	0	GP
		Nonvolatile beta	<2.1E-01	1.00		pCi/L	0	GP
		Plutonium-238	<2.1E-02	1.00		pCi/L	0	GP
		Plutonium-239/240	<0.0E+00	1.00		pCi/L	0	GP
		Potassium-40	<2.0E+01	1.00		pCi/L	0	GP
		Promethium-144	2.1E+00	1.00	J	pCi/L	0	GP
		Promethium-146	<-1.1E-01	1.00		pCi/L	0	GP
		Radium-226	3.6E-01	1.00	J	pCi/L	0	GP
		Radium-228	<1.0E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	5.0E-01	1.00	J	pCi/L	0	GP
		Ruthenium-106	<-6.8E+00	1.00		pCi/L	0	GP
		Sodium-22	<1.2E-01	1.00		pCi/L	0	GP
		Strontium-89	<-8.9E-01	1.00		pCi/L	0	GP
		Strontium-90	<-5.6E-01	1.00		pCi/L	0	GP
		Technetium-99	<-7.7E+00	1.00		pCi/L	0	GP
		Thorium-228	<2.1E-02	1.00		pCi/L	0	GP
		Thorium-230	<2.8E-02	1.00		pCi/L	0	GP
		Thorium-232	<1.8E-02	1.00		pCi/L	0	GP
		Thorium-234	<5.9E+01	1.00		pCi/L	0	GP
		Tin-113	<4.9E-01	1.00		pCi/L	0	GP
		Tritium	<2.7E-01	1.00		pCi/mL	0	GP
		Uranium-233/234	3.0E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	1.9E-01	1.00	J	pCi/L	0	GP
		Yttrium-88	<1.1E+00	1.00		pCi/L	0	GP
		Zinc-65	<1.3E+00	1.00		pCi/L	0	GP
		Zirconium-95	<6.4E-01	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N73789.3	33.285162 °N	143.2-133.2 ft msl	294.5 ft msl	4" PVC	S	McBean (IIB ₁)
E58953.3	81.654898 °W					

FIELD MEASUREMENTS

Sample date: 02/08/94
Depth to water: 61.93 ft (18.88 m) below TOC
Water elevation: 232.57 ft (70.89 m) msl
Sp. conductance: 140 μ S/cm
Turbidity: 1.7 NTU
Water evacuated before sampling: 50 gal
The well went dry during purging.

Time: 14: 33
pH: 10.5
Alkalinity: 41 mg/L
Water temperature: 19.0 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		pH	8.1	1.00	J1	pH	1	GE
		Specific conductance	198	1.00		μ S/cm	0	GE
		Specific conductance	198	1.00		μ S/cm	0	GE
		Aldrin	<0.051	1.00		μ g/L	0	GE
		Aluminum, total recoverable	523	1.00		μ g/L	2	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Antimony, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		μ g/L	0	GE
		Barium, total recoverable	26	1.00		μ g/L	0	GE
		Benzene	<1.0	1.00		μ g/L	0	GE
		Bis(2-ethylhexyl) phthalate	<9.7	1.00		μ g/L	0	GE
		Bromodichloromethane	<1.0	1.00		μ g/L	0	GE
		Bromoform	<1.0	1.00		μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		μ g/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		μ g/L	0	GE
		Calcium, total recoverable	28,100	1.00		μ g/L	0	GE
		Carbon tetrachloride	<1.0	1.00		μ g/L	0	GE
		Chloride	2,330	1.00		μ g/L	0	GE
		Chlorobenzene	<1.0	1.00		μ g/L	0	GE
		Chloroethane	<1.0	1.00		μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		μ g/L	0	GE
		Chloroform	<1.0	1.00		μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		μ g/L	0	GE
		Chromium, total recoverable	<4.0	1.00		μ g/L	0	GE
		Cobalt, total recoverable	<4.0	1.00		μ g/L	0	GE
		Copper, total recoverable	7.8	1.00		μ g/L	0	GE
		Cyanide	<5.0	1.00		μ g/L	0	GE
		p,p'-DDT	<0.10	1.00		μ g/L	0	GE
		Dibromochloromethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		μ g/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		μ g/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85B collected on 02/08/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Dieldrin	<0.51	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.051	1.00		µg/L	0	GE
		Iron, total recoverable	50	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0051	1.00		µg/L	0	GE
		Magnesium, total recoverable	859	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	90	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	1,700	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00	J3	µg/L	0	GE
		Silica, total recoverable	15,500	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	5,060	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	5.6	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	116,000	1.00		µg/L	0	GE
		Total dissolved solids	117,000	1.00		µg/L	0	GE
		Total organic carbon	1,030	1.00	J	µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Zinc, total recoverable	16	1.00		µg/L	0	GE
		Actinium-228	<1.2E+00	1.00		pCi/L	0	GP
		Americium-241	<2.0E-02	1.00		pCi/L	0	GP
		Antimony-124	<7.0E-01	1.00		pCi/L	0	GP
		Antimony-125	<3.1E+00	1.00		pCi/L	0	GP
		Barium-133	5.6E+00	1.00	J	pCi/L	0	GP
		Cerium-144	<4.5E+00	1.00		pCi/L	0	GP
		Cesium-134	<6.3E-01	1.00		pCi/L	0	GP
		Cesium-137	<9.7E-01	1.00		pCi/L	0	GP
		Cobalt-57	<1.5E+00	1.00		pCi/L	0	GP
		Cobalt-58	5.5E+00	1.00	J	pCi/L	0	GP
		Cobalt-60	<8.7E-02	1.00		pCi/L	0	GP
		Curium-242	<8.6E-03	1.00		pCi/L	0	GP
		Curium-243/244	<-2.1E-02	1.00		pCi/L	0	GP
		Curium-245/246	<3.3E-02	1.00		pCi/L	0	GP
		Europium-152	<4.4E+00	1.00		pCi/L	0	GP
		Europium-154	<3.1E+00	1.00		pCi/L	0	GP
		Europium-155	<3.2E+00	1.00		pCi/L	0	GP
		Gross alpha	<3.7E-01	1.00		pCi/L	0	GP
		Iodine-129	<4.4E-01	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85B collected on 02/08/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead-212	8.2E+00	1.00	J	pCi/L	0	GP
		Manganese-54	<3.1E+00	1.00		pCi/L	0	GP
		Neptunium-239	<2.9E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	1.2E+00	1.00	J	pCi/L	0	GP
		Plutonium-238	<7.8E-02	1.00		pCi/L	0	GP
		Plutonium-239/240	<2.6E-02	1.00		pCi/L	0	GP
		Potassium-40	<3.1E+01	1.00		pCi/L	0	GP
		Promethium-144	<-7.6E-01	1.00		pCi/L	0	GP
		Promethium-146	<5.4E-01	1.00		pCi/L	0	GP
		Radium-226	3.2E-01	1.00	J	pCi/L	0	GP
		Radium-228	<1.0E-01	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	1.0E+00	1.00	J	pCi/L	0	GP
		Ruthenium-106	<-1.6E+01	1.00		pCi/L	0	GP
		Sodium-22	<1.1E-02	1.00		pCi/L	0	GP
		Strontium-89	<-5.6E-01	1.00		pCi/L	0	GP
		Strontium-90	<-4.5E-01	1.00		pCi/L	0	GP
		Technetium-99	<-1.4E+01	1.00		pCi/L	0	GP
		Thorium-228	<1.6E-01	1.00		pCi/L	0	GP
		Thorium-230	<1.3E-01	1.00		pCi/L	0	GP
		Thorium-232	<-8.2E-03	1.00		pCi/L	0	GP
		Thorium-234	<5.6E+01	1.00		pCi/L	0	GP
		Tin-113	<-7.8E-02	1.00		pCi/L	0	GP
		Tritium	<0.0E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	3.2E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-238	5.7E-01	1.00	J	pCi/L	0	GP
		Yttrium-88	<2.2E-01	1.00		pCi/L	0	GP
		Zinc-65	<-1.6E+00	1.00		pCi/L	0	GP
		Zirconium-95	<-1.3E+00	1.00		pCi/L	0	GP

WELL HSB 85B

<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>
N73789.3	33.285162 °N	143.2-133.2 ft msl	294.5 ft msl	4" PVC	S	McBean (IIB ₁)
E58953.3	81.654898 °W					

FIELD MEASUREMENTS

Sample date: 03/16/94
Depth to water: 61.47 ft (18.74 m) below TOC
Water elevation: 233.03 ft (71.03 m) msl
Sp. conductance: 209 µS/cm
Turbidity: 2.8 NTU
Water evacuated before sampling: 50 gal
The well went dry during purging.

Time: 11: 05
pH: 10.2
Alkalinity: 46 mg/L
Water temperature: 18.9 °C
Volumes purged: 0.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	8.7	1.00	J1	pH	1	GE
		Specific conductance	194	1.00		µS/cm	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE
		Aluminum, total recoverable	1,440	1.00		µg/L	2	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85B collected on 03/16/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Aluminum, total recoverable	1,440	1.00		µg/L	2	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	23	1.00		µg/L	0	GE
		Barium, total recoverable	23	1.00		µg/L	0	GE
		Benzene	<1.0	1.00		µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	1.00		µg/L	0	GE
		Bromodichloromethane	<1.0	1.00		µg/L	0	GE
		Bromoform	<1.0	1.00		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	21,900	1.00		µg/L	0	GE
		Calcium, total recoverable	21,900	1.00		µg/L	0	GE
		Carbon tetrachloride	<1.0	1.00		µg/L	0	GE
		Chloride	1,960	1.00		µg/L	0	GE
		Chlorobenzene	<1.0	1.00		µg/L	0	GE
		Chloroethane	<1.0	1.00		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	1.00		µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	1.00		µg/L	0	GE
		Chloroform	<1.0	1.00		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	1.00		µg/L	0	GE
		Chromium, total recoverable	4.3	1.00	J	µg/L	0	GE
		Chromium, total recoverable	4.4	1.00	J	µg/L	0	GE
		Cobalt, total recoverable	<4.0	1.00		µg/L	0	GE
		Cobalt, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	4.6	1.00	J	µg/L	0	GE
		Copper, total recoverable	4.7	1.00	J	µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
		Dibromochloromethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,2-Dichloroethane	<1.0	1.00		µg/L	0	GE
		1,1-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	1.00		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	1.00		µg/L	0	GE
		1,2-Dichloropropane	<1.0	1.00		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
		Ethylbenzene	<1.0	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	47	1.00		µg/L	0	GE
		Iron, total recoverable	48	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	346	1.00		µg/L	0	GE

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85B collected on 03/16/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Magnesium, total recoverable	347	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Manganese, total recoverable	<2.0	1.00		µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	430	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	3,120	1.00		µg/L	0	GE
		Potassium, total recoverable	3,130	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	13,700	1.00		µg/L	0	GE
		Silica, total recoverable	13,800	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	7,010	1.00		µg/L	0	GE
		Sodium, total recoverable	7,010	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	1.00		µg/L	0	GE
		Tetrachloroethylene	<1.0	1.00		µg/L	0	GE
		Tin, total recoverable	6.8	1.00		µg/L	0	GE
		Tin, total recoverable	7.5	1.00		µg/L	0	GE
		Toluene	<1.0	1.00		µg/L	0	GE
		Total dissolved solids	128,000	1.00	JV2	µg/L	0	GE
		Total organic carbon	<1,000	1.00		µg/L	0	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	1.00		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	1.00		µg/L	0	GE
		Trichloroethylene	<1.0	1.00		µg/L	0	GE
		Trichlorofluoromethane	<1.0	1.00		µg/L	0	GE
		Vanadium, total recoverable	8.8	1.00	J	µg/L	0	GE
		Vanadium, total recoverable	9.0	1.00	J	µg/L	0	GE
		Zinc, total recoverable	10	1.00		µg/L	0	GE
		Zinc, total recoverable	11	1.00		µg/L	0	GE
		Actinium-228	1.3E+01	1.00	J	pCi/L	0	GP
		Americium-241	<-2.7E-04	1.00		pCi/L	0	GP
		Antimony-124	<-1.5E+00	1.00		pCi/L	0	GP
		Antimony-125	<-4.7E+00	1.00		pCi/L	0	GP
		Barium-133	<2.4E+00	1.00		pCi/L	0	GP
		Cerium-144	<7.9E+00	1.00		pCi/L	0	GP
		Cesium-134	<-4.0E-01	1.00		pCi/L	0	GP
		Cesium-137	<-9.8E-01	1.00		pCi/L	0	GP
		Cobalt-57	<7.4E-01	1.00		pCi/L	0	GP
		Cobalt-58	<-1.4E+00	1.00		pCi/L	0	GP
		Cobalt-60	<3.6E-01	1.00		pCi/L	0	GP
		Curium-242	<-1.3E-02	1.00		pCi/L	0	GP
		Curium-243/244	<-4.0E-02	1.00		pCi/L	0	GP
		Curium-245/246	<-4.4E-03	1.00		pCi/L	0	GP
		Europium-152	<2.1E+00	1.00		pCi/L	0	GP
		Europium-154	<-4.5E-01	1.00		pCi/L	0	GP
		Europium-155	<3.0E+00	1.00		pCi/L	0	GP
		Gross alpha	8.8E-01	1.00	J	pCi/L	0	GP
		Iodine-129	<3.5E-01	1.00		pCi/L	0	GP
		Lead-212	<7.6E-01	1.00		pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85B collected on 03/16/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Manganese-54	<7.0E-01	1.00		pCi/L	0	GP
		Neptunium-239	<5.9E+00	1.00		pCi/L	0	GP
		Nonvolatile beta	1.1E+00	1.00	J	pCi/L	0	GP
		Plutonium-238	<-1.6E-03	1.00		pCi/L	0	GP
		Plutonium-239/240	<0.0E+00	1.00		pCi/L	0	GP
		Potassium-40	<1.1E+01	1.00		pCi/L	0	GP
		Promethium-144	<2.9E-01	1.00		pCi/L	0	GP
		Promethium-146	<1.5E+00	1.00		pCi/L	0	GP
		Radium-226	4.5E-01	1.00	J	pCi/L	0	GP
		Radium-228	3.2E+00	1.00		pCi/L	0	GP
		Radium, total alpha-emitting	<3.0E-01	1.00		pCi/L	0	GP
		Ruthenium-106	<-8.7E+00	1.00		pCi/L	0	GP
		Sodium-22	<-4.8E-01	1.00		pCi/L	0	GP
		Strontium-89	<-4.2E-01	1.00		pCi/L	0	GP
		Strontium-89	<-1.5E+00	1.00		pCi/L	0	GP
		Strontium-90	<-3.3E-01	1.00		pCi/L	0	GP
		Strontium-90	<-1.1E+00	1.00		pCi/L	0	GP
		Technetium-99	<-8.3E+00	1.00		pCi/L	0	GP
		Thorium-228	<5.4E-03	1.00		pCi/L	0	GP
		Thorium-230	<2.0E-02	1.00		pCi/L	0	GP
		Thorium-232	<2.0E-02	1.00		pCi/L	0	GP
		Thorium-234	<9.1E+01	1.00		pCi/L	0	GP
		Tin-113	<1.0E+00	1.00		pCi/L	0	GP
		Tritium	<2.3E-01	1.00		pCi/mL	0	GP
		Uranium-233/234	2.4E-01	1.00	J	pCi/L	0	GP
		Uranium-235	<-4.9E-03	1.00		pCi/L	0	GP
		Uranium-238	2.8E-01	1.00	J	pCi/L	0	GP
		Yttrium-88	<6.2E-01	1.00		pCi/L	0	GP
		Zinc-65	<-3.0E+00	1.00		pCi/L	0	GP
		Zirconium-95	<-3.7E-01	1.00		pCi/L	0	GP

WELL HSB 85C

<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>
N73802.3	33.285182 °N	224.2-214.2 ft msl	294.1 ft msl	4" PVC	S	Water Table (IIB ₂)
E58947.4	81.654939 °W					

FIELD MEASUREMENTS

Sample date: 01/14/94
Depth to water: 55.62 ft (16.95 m) below TOC
Water elevation: 238.48 ft (72.69 m) msl
Sp. conductance: 33 µS/cm
Turbidity: 0.2 NTU
Water evacuated before sampling: 79 gal

Time: 9: 51
pH: 4.6
Alkalinity: 0 mg/L
Water temperature: 19.4 °C

Volumes purged: 5.0 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.0	1.00	J1	pH	0	GE
		Specific conductance	29	1.00		µS/cm	0	GE
		Specific conductance	30	1.00		µS/cm	0	GE
		Aldrin	<0.050	1.00		µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85C collected on 01/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
		Aluminum, total recoverable	41	1.00		µg/L	1	GE
		Antimony, total recoverable	<2.0	1.00		µg/L	0	GE
		Arsenic, total recoverable	<2.0	1.00		µg/L	0	GE
		Barium, total recoverable	6.0	1.00		µg/L	0	GE
•		Benzene	<1.0	1.00	J1	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	1.00		µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	1.00		µg/L	0	GE
•		Bromodichloromethane	<1.0	1.00	J1	µg/L	0	GE
•		Bromoform	<1.0	1.00	J1	µg/L	0	GE
•		Bromomethane (Methyl bromide)	<1.0	1.00	J1	µg/L	0	GE
		Cadmium, total recoverable	<2.0	1.00		µg/L	0	GE
		Calcium, total recoverable	128	1.00		µg/L	0	GE
•		Carbon tetrachloride	<1.0	1.00	J1	µg/L	0	GE
		Chloride	2,060	1.00		µg/L	0	GE
		Chloride	2,200	1.00		µg/L	0	GE
•		Chlorobenzene	<1.0	1.00	J1	µg/L	0	GE
•		Chloroethane	<1.0	1.00	J1	µg/L	0	GE
•		Chloroethene (Vinyl chloride)	<1.0	1.00	J1	µg/L	0	GE
•		2-Chloroethyl vinyl ether	<1.0	1.00	J1	µg/L	0	GE
•		Chloroform	<1.0	1.00	J1	µg/L	0	GE
•		Chloromethane (Methyl chloride)	<1.0	1.00	J1	µg/L	0	GE
		Chromium, total recoverable	<4.0	1.00		µg/L	0	GE
		Cobalt, total recoverable	<4.0	1.00		µg/L	0	GE
		Copper, total recoverable	165	1.00		µg/L	0	GE
		Cyanide	<5.0	1.00		µg/L	0	GE
		p,p'-DDT	<0.10	1.00		µg/L	0	GE
•		Dibromochloromethane	<1.0	1.00	J1	µg/L	0	GE
•		1,1-Dichloroethane	<1.0	1.00	J1	µg/L	0	GE
•		1,2-Dichloroethane	<1.0	1.00	J1	µg/L	0	GE
•		1,1-Dichloroethylene	<1.0	1.00	J1	µg/L	0	GE
•		trans-1,2-Dichloroethylene	<1.0	1.00	J1	µg/L	0	GE
•		Dichloromethane (Methylene chloride)	<1.0	1.00	J1	µg/L	0	GE
•		1,2-Dichloropropane	<1.0	1.00	J1	µg/L	0	GE
•		cis-1,3-Dichloropropene	<1.0	1.00	J1	µg/L	0	GE
•		trans-1,3-Dichloropropene	<1.0	1.00	J1	µg/L	0	GE
		Dieldrin	<0.50	1.00		µg/L	0	GE
•		Ethylbenzene	<1.0	1.00	J1	µg/L	0	GE
		Fluoride	<100	1.00		µg/L	0	GE
		Heptachlor	<0.050	1.00		µg/L	0	GE
		Iron, total recoverable	4.7	1.00	J	µg/L	0	GE
		Lead, total recoverable	<3.0	1.00		µg/L	0	GE
		Lindane	<0.0050	1.00		µg/L	0	GE
		Magnesium, total recoverable	118	1.00		µg/L	0	GE
		Manganese, total recoverable	2.2	1.00	J	µg/L	0	GE
		Mercury, total recoverable	<0.20	1.00		µg/L	0	GE
		Nickel, total recoverable	<4.0	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,170	1.00		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,190	1.00		µg/L	0	GE
		Phenols	<5.0	1.00		µg/L	0	GE
		Potassium, total recoverable	<500	1.00		µg/L	0	GE
		Selenium, total recoverable	<2.0	1.00		µg/L	0	GE
		Silica, total recoverable	6,510	1.00		µg/L	0	GE
		Silver, total recoverable	<2.0	1.00		µg/L	0	GE
		Sodium, total recoverable	4,150	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00		µg/L	0	GE
		Sulfate	<1,000	1.00	J3	µg/L	0	GE

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85C collected on 01/14/94, laboratory analyses (cont.)

H	D	Analyte	Result	DF	Mod	Unit	Flag	Lab
•		1,1,2,2-Tetrachloroethane	<1.0	1.00	J1	µg/L	0	GE
•		Tetrachloroethylene	<1.0	1.00	J1	µg/L	0	GE
		Tin, total recoverable	<2.0	1.00		µg/L	0	GE
•		Toluene	<1.0	1.00	J1	µg/L	0	GE
		Total dissolved solids	26,000	1.00		µg/L	0	GE
		Total organic carbon	20,400	1.00		µg/L	2	GE
		Total organic halogens	<5.0	1.00		µg/L	0	GE
		Total phosphates (as P)	<50	1.00		µg/L	0	GE
•		1,1,1-Trichloroethane	<1.0	1.00	J1	µg/L	0	GE
•		1,1,2-Trichloroethane	<1.0	1.00	J1	µg/L	0	GE
•		Trichloroethylene	<1.0	1.00	J1	µg/L	0	GE
•		Trichlorofluoromethane	<1.0	1.00	J1	µg/L	0	GE
		Vanadium, total recoverable	<8.0	1.00		µg/L	0	GE
		Zinc, total recoverable	20	1.00		µg/L	0	GE
		Actinium-228	<4.1E+00	1.00		pCi/L	0	GP
		Americium-241	<-1.4E-02	1.00		pCi/L	0	GP
		Antimony-124	<-1.6E+00	1.00		pCi/L	0	GP
		Antimony-125	<2.3E+00	1.00		pCi/L	0	GP
		Barium-133	<2.6E-01	1.00		pCi/L	0	GP
		Cerium-144	<-1.9E+00	1.00		pCi/L	0	GP
		Cesium-134	<1.7E+00	1.00		pCi/L	0	GP
		Cesium-137	<-3.1E-01	1.00		pCi/L	0	GP
		Cobalt-57	<5.3E-01	1.00		pCi/L	0	GP
		Cobalt-58	<1.4E+00	1.00		pCi/L	0	GP
		Cobalt-60	<-2.1E-01	1.00		pCi/L	0	GP
		Curium-242	<-1.4E-02	1.00		pCi/L	0	GP
		Curium-243/244	<3.2E-02	1.00		pCi/L	0	GP
		Curium-245/246	<0.0E+00	1.00		pCi/L	0	GP
		Europium-152	<2.9E+00	1.00		pCi/L	0	GP
		Europium-154	<-1.5E+00	1.00		pCi/L	0	GP
		Europium-155	<3.2E+00	1.00		pCi/L	0	GP
		Gross alpha	1.3E+00	1.00	J	pCi/L	0	GP
		Iodine-129	<-1.5E-01	1.00		pCi/L	0	GP
		Lead-212	7.3E+00	1.00	J	pCi/L	0	GP
		Manganese-54	<8.5E-01	1.00		pCi/L	0	GP
		Neptunium-239	<1.4E+00	1.00	JV2	pCi/L	0	GP
		Nonvolatile beta	1.5E+00	1.00	J	pCi/L	0	GP
		Plutonium-238	<-1.6E-02	1.00		pCi/L	0	GP
		Plutonium-239/240	<-1.4E-02	1.00		pCi/L	0	GP
		Potassium-40	3.0E+01	1.00	J	pCi/L	0	GP
		Promethium-144	<9.0E-01	1.00		pCi/L	0	GP
		Promethium-146	<-1.9E+00	1.00		pCi/L	0	GP
		Radium-226	1.6E+00	1.00	J	pCi/L	0	GP
		Radium-226	1.5E+00	1.00	J	pCi/L	0	GP
		Radium-228	1.5E+00	1.00	J	pCi/L	0	GP
		Radium, total alpha-emitting	1.5E+00	1.00	J	pCi/L	0	GP
		Ruthenium-106	<5.3E+00	1.00		pCi/L	0	GP
		Sodium-22	<-1.3E+00	1.00		pCi/L	0	GP
		Strontium-89	<-1.2E+00	1.00		pCi/L	0	GP
		Strontium-90	<-8.5E-01	1.00		pCi/L	0	GP
		Technetium-99	<-1.2E+01	1.00		pCi/L	0	GP
		Thorium-228	<2.7E-02	1.00		pCi/L	0	GP
		Thorium-230	<1.9E-02	1.00		pCi/L	0	GP
		Thorium-232	<0.0E+00	1.00		pCi/L	0	GP
		Thorium-234	<1.3E+02	1.00		pCi/L	0	GP
		Tin-113	<6.3E-01	1.00		pCi/L	0	GP

• = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

WELL HSB 85C collected on 01/14/94, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>DF</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium	4.5E+00	1.00		pCi/mL	0	GP
		Uranium-233/234	<0.0E+00	1.00		pCi/L	0	GP
		Uranium-235	<-6.6E-03	1.00		pCi/L	0	GP
		Uranium-238	<-6.6E-03	1.00		pCi/L	0	GP
		Yttrium-88	<1.0E-01	1.00		pCi/L	0	GP
		Zinc-65	<1.2E+00	1.00		pCi/L	0	GP
		Zirconium-95	4.6E+00	1.00	J	pCi/L	0	GP

● = exceeded holding time. ■ = exceeded screening level or final primary drinking water standard.

Appendix E

Data Quality/Useability Assessment

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Data Quality/Useability 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 useability 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 useability. 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 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 inorganic compounds, such as metals, the matrix spike sample analysis provides information about the effect of each sample matrix on the digestion and measurement methodology. Data qualifiers assigned by the laboratories on the basis of the percentage of spike recovery are reported in the 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 (laboratory-initiated) and blind replicates (provided by EPD/EMS). The results of duplicate and replicate analyses are presented in the results tables of these reports for the first, second, and third quarters of each year. Duplicate and replicate results are not presented in fourth-quarter reports; the results tables present instead only the highest result for each analyte for each quarter of the year.

The laboratories assess precision by calculating the relative percent difference, or 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%.

Additional statistical comparisons of laboratory duplicate and blind replicate results, both intra- and interlaboratory, are presented in the EPD/EMS quarterly reports. The calculation used for these reports is the MRD, or mean relative difference, which is similar to EPA's RPD except that the MRD provides a single value for all of the analyses of a particular compound, either intra- or interlaboratory, 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 useability. EPA has conducted extensive research and development on the methods approved for the analysis of water and waste water; information on the accuracy and precision of the 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 1993 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, sulfate	EPA EMSL 1991
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	Mercury	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

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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 ($\mu\text{g/L}$)</u>	<u>Mean reported value ($\mu\text{g/L}$)</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
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 ($\mu\text{g/L}$)</u>	<u>Single analyst precision ($\mu\text{g/L}$)^b</u>	<u>Overall precision ($\mu\text{g/L}$)^c</u>
Bromodichloromethane	1.12C-1.02 ^d	0.11 $\bar{X}$ +0.04 ^e	0.20 $\bar{X}$ +1.00
Bromoform	0.96C-2.05	0.12 $\bar{X}$ +0.58	0.21 $\bar{X}$ +2.41
Bromomethane	0.76C-1.27	0.28 $\bar{X}$ +0.27	0.36 $\bar{X}$ +0.94
Carbon tetrachloride	0.98C-1.04	0.15 $\bar{X}$ +0.38	0.20 $\bar{X}$ +0.39
Chlorobenzene	1.00C-1.23	0.15 $\bar{X}$ -0.02	0.18 $\bar{X}$ +1.21
Chloroethane	0.99C-1.53	0.14 $\bar{X}$ -0.13	0.17 $\bar{X}$ +0.63
2-Chloroethyl vinyl ether ^f	1.00C	0.20 $\bar{X}$	0.35 $\bar{X}$
Chloroform	0.93C-0.39	0.13 $\bar{X}$ +0.15	0.19 $\bar{X}$ -0.02
Chloromethane	0.77C+0.18	0.28 $\bar{X}$ -0.31	0.52 $\bar{X}$ +1.31
Dibromochloromethane	0.94C+2.72	0.11 $\bar{X}$ +1.10	0.24 $\bar{X}$ +1.68
1,2-Dichlorobenzene	0.93C+1.70	0.20 $\bar{X}$ +0.97	0.13 $\bar{X}$ +6.13

Parameter	Accuracy as recovery, X'^a ($\mu\text{g/L}$)	Single analyst precision ($\mu\text{g/L}$) ^b	Overall precision ($\mu\text{g/L}$) ^c
1,3-Dichlorobenzene	0.95C+0.43	0.14 $\bar{X}$ +2.33	0.26 $\bar{X}$ +2.34
1,4-Dichlorobenzene	0.93C-0.09	0.15 $\bar{X}$ +0.29	0.20 $\bar{X}$ +0.41
1,1-Dichloroethane	0.95C-1.08	0.09 $\bar{X}$ +0.17	0.14 $\bar{X}$ +0.94
1,2-Dichloroethane	1.04C-1.06	0.11 $\bar{X}$ +0.70	0.15 $\bar{X}$ +0.94
1,1-Dichloroethene	0.98C-0.87	0.21 $\bar{X}$ -0.23	0.29 $\bar{X}$ -0.40
trans-1,2-Dichloroethene	0.97C-0.16	0.11 $\bar{X}$ +1.46	0.17 $\bar{X}$ +1.46
Dichloromethane (Methylene chloride)	0.91C-0.93	0.11 $\bar{X}$ +0.33	0.21 $\bar{X}$ +1.43
1,2-Dichloropropane ^f	1.00C	0.13 $\bar{X}$	0.23 $\bar{X}$
cis-1,3-Dichloropropene ^f	1.00C	0.18 $\bar{X}$	0.32 $\bar{X}$
trans-1,3-Dichloropropene ^f	1.00C	0.18 $\bar{X}$	0.32 $\bar{X}$
1,1,2,2-Tetrachloroethane	0.95C+0.19	0.14 $\bar{X}$ +2.41	0.23 $\bar{X}$ +2.79
Tetrachloroethylene	0.94C+0.06	0.14 $\bar{X}$ +0.38	0.18 $\bar{X}$ +2.21
1,1,1-Trichloroethane	0.90C-0.16	0.15 $\bar{X}$ +0.04	0.20 $\bar{X}$ +0.37
1,1,2-Trichloroethane	0.86C+0.30	0.13 $\bar{X}$ -0.14	0.19 $\bar{X}$ +0.67
Trichloroethylene	0.87C+0.48	0.13 $\bar{X}$ -0.03	0.23 $\bar{X}$ +0.30
Trichlorofluoromethane	0.89C-0.07	0.15 $\bar{X}$ +0.67	0.26 $\bar{X}$ +0.91
Vinyl chloride	0.97C-0.36	0.13 $\bar{X}$ +0.65	0.27 $\bar{X}$ +0.40

^a X' = expected recovery for one or more measurements of a sample containing a concentration of C, in $\mu\text{g/L}$.

^b Expected single analyst standard deviation of measurements.

^c Expected interlaboratory standard deviation of measurements.

^d C = true value for the concentration, in $\mu\text{g/L}$.

^e $\bar{X}$ = average recovery found for measurements of samples containing a concentration of C, in $\mu\text{g/L}$.

^f Estimates based on performance in a single laboratory.

References

EPA (U.S. Environmental Protection Agency), 1986. **Test Methods for Evaluating Solid Waste (SW-846)**, Volumes IA-IC. Washington, DC.

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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EPA EMSL (U.S. Environmental Protection Agency, Environmental Monitoring and Systems Laboratory), 1983. **Methods for Chemical Analysis of Water and Wastes**. Cincinnati, OH.

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Appendix F

Time Series Plots

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pH Well Cluster BGO 6

Note: W = Water Table (IIB2); M = McBean (IIB1); B = Barnwell (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Note: W = Water Table (IIB2); M = McBean (IIB1); B = Barnwell (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Note: W = Water Table (IIB2); M = McBean (IIB1); B = Barnwell (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

pH Well Cluster BGO 16

pH Well Cluster BGO 26

Note: W = Water Table (IIB2); M = McBean (IIB1); B = Barnwell (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

pH Well BGO 28D

Note: W = Water Table (IIB2); M = McBean (IIB1); B = Barnwell (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

pH Well Cluster BGO 30

Note: W = Water Table (IIB2); M = McBean (IIB1); B = Barnwell (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 6

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

■ BGO 6D (W) ◇ BGO 6B (M) ◇ BGO 6C (M) ◇ BGO 6A (UC)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 7D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 8

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 12

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Trichloroethylene Concentrations Well Cluster BGO 13

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 $\mu\text{g/L}$

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 14

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Trichloroethylene Concentrations Well BGO 15D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

—■— BGO 15D (W)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 16

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 27

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 28D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

—■— BGO 28D (W)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Trichloroethylene Concentrations Well Cluster BGO 29

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 30

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Trichloroethylene Concentrations Well Cluster BGO 31

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 $\mu\text{g/L}$

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 32D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 33

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 40D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

—■— BGO 40D (W)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 41A

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

—△— BGO 41A (UC)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 42C

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 $\mu\text{g/L}$

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 44

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 46

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 µg/L

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Trichloroethylene Concentrations Well Cluster BGO 47

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 $\mu\text{g/L}$

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 48

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 $\mu\text{g/L}$

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 50

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 $\mu\text{g/L}$

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 2

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 5 $\mu\text{g/L}$

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Trichloroethylene Concentrations Well BGX 3D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 1D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well BGO 2D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 3D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 4D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 5

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

■ BGO 5D (W) □ BGO 5C (M)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 6

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 7D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

■ BGO 7D (W)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well Cluster BGO 8

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 9

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

■ BGO 9D (W) ○ BGO 9AA (LC)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 10

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well BGO 11D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 12

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 13

Unconnected lines indicate a dry well or a value below the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 14

Tritium Activities Well BGO 15D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 16

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

■ BGO 16D (W) ○ BGO 16B (M) △ BGO 16A (UC) ◇ BGO 16AR (UC)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 17

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

■ BGO 17D (W) × BGO 17DR (W)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well Cluster BGO 18

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 19D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

—■— BGO 19D (W)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 20D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 21D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 22

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 23D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 24D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

■ BGO 24D (W)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 25A

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

△ BGO 25A (UC)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 26

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 27

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 28D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 29

Unconnected lines indicate a dry well or a value below the detection limit.

PDWS 20 pCi/mL

■ BGO 29D (W) ▲ BGO 29C (B) △ BGO 29A (UC)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well Cluster BGO 30

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 31

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 32D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 33

Unconnected lines indicate a dry well or a value below the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 34D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 35

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 36D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 37

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 38D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 39D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well BGO 40D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGO 41A

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well BGO 42C

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

—▲— BGO 42C (B)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 43

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 44

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 45

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

■ BGO 45D (W) ▲ BGO 45C (B) □ BGO 45B (M) △ BGO 45A (UC)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 46

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 47

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 48

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 49

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 50

Unconnected lines indicate a dry well or a value below the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 1

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 2

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGX 3D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

▲ BGX 3D (B)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 4

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGX 5D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

—▲— BGX 5D (B)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well BGX 6D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGX 7D

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 8

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well BGX 9D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well BGX 10D

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA).

Tritium Activities Well BGX 11D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well Cluster BGX 12

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well FSS 1D

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Tritium Activities Well FSS 2D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

—■— FSS 2D (W)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well FSS 3D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well FSS 4D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well HMD 1D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

—▲— HMD 1D (B)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Tritium Activities Well HMD 2D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well HMD 3D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

—▲— HMD 3D (B)

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well HMD 4D

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Tritium Activities Well Cluster HSB 85

Unconnected lines indicate
a dry well or a value below
the detection limit.

PDWS 20 pCi/mL

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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Appendix G

Hydrographs

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Hydrograph Well BGO 1D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well BGO 2D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 3D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 4D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 5

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGO 6

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 7D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGO 8

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 9

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGO 10

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 11D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 12

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 13

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGO 14

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 15D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGO 16

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 17

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 18

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 19D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 20D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 21D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 22

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 23D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well BGO 24D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 25A

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 26

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 27

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 28D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 29

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 30

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 31

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well BGO 32D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 33

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well BGO 34D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 35

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 36D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGO 37

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 38D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 39D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well BGO 40D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGO 41A

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well BGO 42C

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 43

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGO 44

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 45

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 46

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 47

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGO 48

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 49

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGO 50

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGX 1

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well Cluster BGX 2

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGX 4

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGX 5D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well BGX 6D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGX 7D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGX 8

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGX 9D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGX 10D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well BGX 11D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster BGX 12

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well FSS 1D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well FSS 2D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well FSS 3D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well FSS 4D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well HMD 1D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well HMD 2D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well HMD 3D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

First Quarter 1994

Hydrograph Well HMD 4D

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

Hydrograph Well Cluster HSB 85

Note: W = Water Table (IIB2); B = Barnwell (IIB1); M = McBean (IIB1); UC = Upper Congaree (IIA); MC = Middle Congaree (IIA); LC = Lower Congaree (IIA)

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